PACIFIC GAS AND ELECTRIC COMPANY

GAS TRANSMISSION AND STORAGE SAFETY REPORT

NO. 2016-02

REPORTING PERIOD
JULY 1 – DECEMBER 30, 2016

IN COMPLIANCE WITH CPUC DECISION 16-06-056

SUBMITTED MARCH 1, 2017

PUBLIC VERSION

PACIFIC GAS AND ELECTRIC COMPANY

GAS TRANSMISSION AND STORAGE SAFETY REPORT

NO. 2016-02

REPORTING PERIOD
JULY 1 – DECEMBER 31, 2016

IN COMPLIANCE WITH CPUC DECISION 16-06-056

SUBMITTED MARCH 1, 2017

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Introduction and Background

This Gas Transmission and Storage (GT&S) Safety Report is submitted in compliance with the California Public Utilities Commission (CPUC or Commission) Decision (D.) 16-06-056 in Pacific Gas and Electric Company's (PG&E or the Company) 2015 GT&S Rate Case Application (A.) 13-12-012. Pursuant to Conclusion of Law 112, PG&E will continue preparing and serving this report on a semi-annual basis, consistent with the requirements in the Gas Accord V Decision.[1]

This safety report (GT&S Safety Report No. 2016-02) reflects the reporting period of July 1 through December 31, 2016, and is being served on the directors of the Commission's Safety and Enforcement Division, the Energy Division, the service list in the 2011 GT&S Rate Case proceeding (A.09-09-013), and the service list in the 2015 GT&S Rate Case proceeding (A.13-12-012).

Pipeline Safety Enhancement Plan

Decision (D.) 12-12-030, issued December 28, 2012, approved Phase 1 of PG&E's Pipeline Safety Enhancement Plan (PSEP). OP 10 of D.12-12-030 required PG&E to submit quarterly compliance reports on PSEP activities through the end of Phase 1 (2014). Consistent with prior GT&S semi-annual reports, PG&E continues to include PSEP activities through December 31, 2016 in this report. PG&E has included in Appendix B an updated list of PSEP projects that were completed in the reporting period, under construction or yet to begin construction. Included in Appendix C is a table that provides PSEP costs from inception to date broken down by month and by activity.

[1] Ordering Paragraph (OP) 5 of D.11-04-031 directed PG&E to prepare, on a semi-annual basis, a "Gas Transmission and Storage Safety Report" (GT&S Safety Report) containing information to address each of the eight requirements in Appendix C of the Decision.

Summary

For 2016, PG&E's total recorded spending exceeded $1.3 billion in capital expenditures and expenses for GT&S related activities.[2] PG&E's annual budget as of December 31, 2016 was adjusted due to modifications based on new information including the Commission's 2015 GT&S Rate Case Decision, identification of emergent work, changes in cost estimates, and/or changes in execution schedules.

Capital

For 2016, PG&E expected to spend $763.2 million for Gas Transmission (GT) Capital Major Work Categories (MWC) (not including StanPac Projects of $8.8 million). The total recorded capital spend through December 31, 2016 was $730.9 million: $721.7 million for safety and reliability related capital and $9.2 million for StanPac projects. See Table 1 below for a summary of the capital costs described above. See Table 2-1 in Section 2 for further details.

Expense

For 2016, PG&E expected to spend $486.7 million for GT Expense MWCs, not including $3.5 million for StanPac projects. The total recorded expense spend through December 31, 2016 was $569.3 million: $567.2 million for safety and reliability related expense and $2.1 million for StanPac. See Table 1 below for a summary of the expense costs described above. See Table 2-2 in Section 2 for further details.

[2] All 2016 recorded costs in this report are as of January 9, 2017. There is a potential for additional adjustments that could impact the final costs related to GT&S related activities. If any adjustments materially change the reported costs, PG&E will provide an update in the 2017-01 GT&S Safety Report.

TABLE 1
2016 GAS STORAGE, PIPELINE SAFETY, INTEGRITY, AND RELIABILITY PROJECTS REPORTING PERIOD JULY 1 – DECEMBER 31, 2016
(MILLIONS OF 2016 DOLLARS)[a]

Line No.	Costs	Annual Budget 1/1/16	Adjusted Annual Budget as of 12/31/16 [b]	Recorded Spend 7/1-12/31	YTD Recorded 12/31	2016 Adopted/ Imputed [c]
1	Capital	685.7	763.2	408.0	721.7	699.6
2	Expense	532.6	486.7	300.0	567.2	416.0

[a] Excluding StanPac. All costs presented using the new cost allocation methodology.
[b] PG&E updates its annual budget during the year based on new information, which in 2016, included the Commission's 2015 GT&S Rate Case Decision.
[c] Based on amounts adopted in D. 16-12-010; adjusted for adopted Post Test Year escalation.

For the period of July 1 to December 31, 2016, PG&E completed operations and maintenance (O&M) activities including 66,967.9 cumulative miles of pipeline inspections and 10,268 facility inspections. The pipeline inspection activities include 7,504 miles of pipeline leak surveys, 59,248 miles of pipeline patrols, 49.06 miles of pipeline hydrostatic testing work, and 166.8 miles of integrity management assessments. PG&E also validated records for 10.46 miles of pipe that would otherwise have been hydrostatically tested in 2016. The facility inspection activities include 4,436 Cathodic Protection reads, and maintenance and inspection performed on 3,549 district regulator stations and 2,283 valves. In addition, PG&E standby personnel were sent out to 5,191 individual sites to ensure pipeline safety where third parties were performing excavation work. See Table 7-1, GT Pipeline Inspection Plan, for more details on the work described above for the current reporting period.

This report also includes detailed information on 1,330 capital projects and work activities and 938 expense projects and work activities, as shown in Table 3-1.

1. Explanation for Ranking Gas Transmission Pipeline, Storage, Safety, Integrity, Inspection, Reliability, and Operations and Maintenance Projects

A thorough description and explanation of the strategic planning and decision-making approach PG&E uses to determine and rank the gas storage projects, pipeline transmission safety, integrity, and reliability of its pipeline projects, O&M activities, and inspections of its gas transmission pipelines. If there has been no change in PG&E's approach for determining and ranking which projects and activities are prioritized since the last Safety Report, the Safety Report may reference the earlier Safety Report.

Response

Strategic Planning

Similar to the planning process described in GT&S Safety Report No. 2015-02, PG&E established plans and budgets for 2016 GT capital expenditures and expenses as part of its Integrated Planning Process. Please refer to GT&S Safety Report No. 2015-02 for details on the planning process.

Work Acceleration Following the 2015 GT&S Rate Case Decision

On May 5, 2016, the Commission issued a proposed decision for the 2015 GT&S rate case. As a result, PG&E identified additional projects (in addition to those it had planned) to be executed in 2016 using the following criteria:

- Ability to execute in 2016
- Alignment with 2015 GT&S Proposed Decision defined scope units
- Programmatic risk assessment
- Time-sensitivity

Shortly after the Commission's Final Decision was issued on July 1, 2016, a final proposed project list was presented to and approved by senior Gas Operations leadership.

Budgeting and Spending

2. Explanation of Funds Budgeted and Spent for Each Major Work Category

The Safety Report must describe the amount of funds budgeted at the beginning of each calendar year and over the rate case period, as well as the amount spent during the reporting period and for that calendar year, for each MWC related to gas storage, pipeline safety, integrity and reliability for capital expenditures and for O&M activities. To the extent these funds are specified in the settlement or other document, such as work papers or testimony, references to where these amounts are mentioned must be provided.

Response

The 2016 amounts budgeted and spent under the capital and expense MWCs related to GT&S system safety, integrity, and reliability are displayed in Tables 2-1 and 2-2. PG&E also included in Table 2-1 and Table 2-2, the imputed amounts based on the 2015 GT&S Decision (D.16-12-010), Appendix D, adjusted to reflect post test-year escalation.

As previously reported, PG&E implemented a new cost allocation methodology effective January 1, 2016, referred to as the new cost model in Report No. 2016-01.[3] This report presents all costs (adopted/imputed, budgeted and recorded) using PG&E's new cost allocation methodology.

2016 Budget

PG&E's budgets are approved by management on an annual basis in the fourth quarter of the previous year and updated as needed throughout the year. PG&E's initial 2016 budget for GT Capital MWCs (excluding StanPac Projects of $8.8 million) was $685.7 million. PG&E's adjusted GT Capital MWC budget as of December 31, 2016 (excluding StanPac Projects of $8.8 million) was $763.2 million. Adjustments to the GT Capital MWC budget primarily include increases in pipeline reliability, pipeline capacity, and integrity management. The GT organization utilized the framework outlined in Section 1, as described in Report No. 2015-02, and completed a risk-based reallocation of funding.

PG&E's initial 2016 budget for GT Expense MWCs, excluding $3.5 million for StanPac projects, was $532.6 million. PG&E's adjusted budget as of

[3] Please refer to GT&S Safety Report 2016-01 for additional information describing the cost allocation methodology change.

December 31, 2016, excluding $3.5 million for StanPac projects, was $486.7 million. Adjustments to the GT Expense MWC budget include increases generally within reliability and general maintenance, locate and mark, corrosion control, and integrity management.

To the extent that there are material differences in the annual budget by MWC and the recorded spend at Year-End, those variance explanations can be found in the response to Section 5.

The following MWCs are excluded from this report, consistent with prior GT&S Safety Reports:

- Capital: 2F (Build IT Applications and Infrastructure), 5 (Tools & Equipment), 12 (Implement Environment Projects); 26 (GT Customer Connects), 78 (Manage Buildings), 83 (GT Work Required by Others); and
- Expense: AB (Miscellaneous Expense), AK (Manage Environmental Operations), AY (Habitat & Species Protection), CR (Manage Waste Disposal & Transportation), CX (GT Marketing, Sales & Strategy), DN (Develop and Provide Training), GF (GT & Dist Sys Mapping), GM (Manage Energy Efficiency-Non-BA), GZ (Research and Development Non-Balancing Account), JV (Maintain IT Applications and Infrastructure).

TABLE 2-1
2016 GAS STORAGE, PIPELINE SAFETY, INTEGRITY, AND RELIABILITY PROJECTS CAPITAL BUDGET BY MAJOR WORK CATEGORY
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016
(THOUSANDS OF 2016 DOLLARS)[a]

MWC	MWC Description	Adopted/ Imputed Amount [b]	Annual Budget As of 1/1	Adjusted Annual Budget As of 12/31	Recorded Spend 7/1-12/31	YTD Actuals 12/31
73	GT Pipeline Capacity	117,196	92,798	116,089	68,258	82,579
75	GT Pipeline Reliability	356,355	233,126	283,493	145,836	296,638
76	GT Station Reliability	135,376	112,671	116,722	56,387	115,913
84	GT Gas Gathering System Manage	1,678	184	1,217	291	1,064
98	GT Integrity Management	89,019	128,315	146,815	76,125	134,391
2H	GT PL Safety Enhance Plan- Cap[c]	0	47,300	47,300	17,679	19,280
3K	Gas Trans Remediate Corrosion [d]	0	57,867	32,322	24,255	46,579
3L	Gas Trans Storage Wells [e]	0	13,453	19,291	19,145	25,168
2J	GT&D Impl Regulatory Change [f]	0	0	0	24	54
Gas Transmission Capital		**699,625**	**685,714**	**763,249**	**408,000**	**721,666**
StanPac						
44	Gas Capital:GasTrans-Subsidiary	8,560	8,760	8,760	8,182	9,165
Gas Transmission Capital- Including StanPac		**708,185**	**694,474**	**772,009**	**416,182**	**730,831**

[a] Dollars in new cost allocation methodology.

[b] Based on amounts adopted in D. 16-12-010; adjusted for adopted Post Test Year escalation. Dollars in new cost allocation methodology.

[c] MWC 2H holds the remaining PSEP capital close-out costs.

[d] MWC 3K was created in 2015 to separate corrosion related work within MWC 75 to promote greater visibility.

[e] MWC 3L was created in 2015 to separate corrosion related work within MWC 76 to promote greater visibility.

[f] MWC 2J has recorded spend without budget as it includes carryover PSEP close-out costs.

TABLE 2-2
2016 GAS STORAGE, PIPELINE SAFETY, INTEGRITY, AND RELIABILITY O&M ACTIVITIES
BUDGET BY MAJOR WORK CATEGORY
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016
(THOUSANDS OF 2016 DOLLARS)[a]

MWC	MWC Description	Adopted/ Imputed Amount [b]	Annual Budget As of 1/1	Adjusted Annual Budget As of 12/31	Recorded Spend 7/1-12/31	YTD Actuals 12/31
JO	GT Pipeline Maintenance	39,714	25,583	26,788	12,226	24,803
JP	GT Station Maintenance	17,078	14,949	14,948	8,270	17,898
JT	GT Reliability & General Maint [c]	183,596	292,614	250,914	103,067	257,394
CM	GT Operate System	31,510	12,596	11,346	7,273	13,761
KE	GT PL Safety Enhance Plan-Exp [d]	0	(0)	0	742	5,444
KF	GT&D Impl Regulatory Change [d]	0	0	0	41	90
DF	G&E T&D Locate & Mark	5,963	4,265	9,150	7,074	10,657
GJ	Gas Transmission Mitigate Corr [e]	0	38,665	24,784	12,687	26,431
II / HP	GT Integrity Management [c] [f]	138,141	143,952	148,813	148,617	210,752
Gas Transmission Expense		**416,002**	**532,623**	**486,743**	**299,997**	**567,230**
StanPac						
34	Maintain Gas Trans-Subsidiary	2,655	3,540	3,540	1,601	2,080
Gas Transmission Expense- Including StanPac		**418,657**	**536,164**	**490,283**	**301,598**	**569,310**

[a] Dollars in new cost allocation methodology.

[b] Based on amounts adopted in D. 16-12-010; adjusted for adopted Post Test Year escalation. Dollars in new cost allocation methodology.

[c] Includes annual budget and accounting adjustments between MWCs JT and HP.

[d] MWCs KE and KF contain recorded spend without budget as these MWCs hold the remaining PSEP Expense construction close-out costs.

[e] MWC GJ was created in 2015 to track corrosion mitigation work seperately from MWC HP.

3. Scheduling Project Capital and O&M Costs Exceeding $250,000, Including Whether Costs Were Included in Previous Rate Cases

The Safety Report must identify and describe each gas storage project, pipeline safety, integrity and reliability capital project and any applicable high-risk ranking, and the pipeline integrity O&M work activities, which were planned to start during the reporting period, and the project costs associated with each project or work activity exceeding $250,000. For each project or work activity with a cost of $250,000 or less, those may be reported as an aggregate total by MWC. PG&E must also identify in the Safety Report whether each such capital project and O&M work activities was included in any prior gas transmission and storage rate case application request, and provide a reference to those prior documents supporting such a request. PG&E must also describe if the planned capital project is to be undertaken in response to a federal and/or Commission requirement or advisory and/or a recommendation of the National Transportation Safety Board (NTSB). PG&E must also identify whether the capital project is included in PG&E's Risk Management Top 100 report, or a successor report, and whether the capital project is located in a high consequence area.

Response

Table 3-1 in Appendix A shows the data requested in Sections 3 and 4. Table 3-1 includes each gas storage project, pipeline safety, integrity, and reliability capital project and the pipeline integrity O&M work activities with a project or work activity cost exceeding $250,000.

The individual projects or work activities shown in Table 3-1 have met all of the following criteria:

1. Not in the MWC exclusion list shown in the response to Question 2;
2. Total net project forecast > $250,000; and
3. GT orders with recorded costs or previously forecasted costs between July 1, 2016, and December 31, 2016.

A description of the table columns and the data they contain follows:

- Column B – This column identifies if project is Capital or Expense.
- Column C – This column identifies if the project is driven by PSEP (Phase 1) projects.
- Column D – This column identifies if the project was included in previous GT&S Safety Reports.

- Column E – This column lists the Project Status Reporting System (PSRS) ID number. A PSRS ID number is a unique number given to a project in PSRS and can be used to track a project from one report to the next.
- Column F – This column lists the Order Number/Planning Order Number. GT uses SAP planning orders to track project budget and the recorded dollars that are charged to an actual order (Order/Planning Order Number). An SAP Order number is created and linked to the PSRS ID when the Project Manager receives the appropriate project approval.
- Columns G and H – These columns list the MWC and description.
- Columns I and J – These columns list the Maintenance Activity Type (MAT) code and MAT code description. These include information about the type of work each project is completing.
- Column K – This column lists the Planning Order Group. The Planning Order Group is a subset grouping below the MAT designation.
- Column L – This column includes the Project Name or Work Category. This is additional project specific information that was entered into SAP by Program Managers.
- Column M – This column lists the description of the work performed in the reporting period or states if the project has been cancelled. The work performed falls into one of the following categories: estimating, engineering/permitting, construction, or close-out.
- Column N – This column shows the Order Begin date in PSRS. This is the first date that a project is entered into PSRS.
- Column O – This column lists the actual start date for construction or forecasted construction date if construction has yet to begin.
- Column P – This column indicates the project construction completion date or the forecasted completion date if the project is not yet complete. In some instances, the completion date reflects projects for which construction is complete and the asset has been placed into service, but additional job close out activities are still in progress.
- Column Q – This column lists the operative date for each project.
- Column R – This column lists if the project starts within the reporting period.
- Column S – This column indicates if a project is underway in the reporting period. A project is considered underway if activities performed fall under

planning, estimating, engineering/design, and/or construction during the reporting period.

- Column T – This column indicates if the project was completed in the reporting period.
- Columns U, V, and W – These columns list the amount spent in the reporting period, year-to-date, and the total amount spent since inception for each project. Year-to-date recorded amounts may have negative dollars, which may be driven by over accruals, journal entry adjustments, corrections to erroneous charges and customer reimbursements.
- Column X – This column lists the total forecast project cost as of the end of the reporting period.
- Column Y – This column identifies whether projects were included in the Risk Management Legacy Top 100 reports[4] from 2007, 2008 or 2009 for each project or work activity. The number in parenthesis indicates the ranking the project had in the 2009 Legacy Top 100 Report.
- Column Z – This column indicates if a capital project is determined to be in a High Consequence Area (HCA).
- Column AA – This column identifies projects that were included in a past GT&S Rate Case or PSEP capital workpaper.[5] The number in parentheses is the workpaper page number where these projects can be found in the relevant prior proceeding. The references to the applicable GT&S Rate Case and PSEP capital workpapers are as follows:
  - 2004 – GAII, Chapter 10, Amended (A.01-10-011)
  - 2005 – GAIII, Chapter 4, (A.04-03-021)
  - 2008 – GAIV, Workpapers Supporting Capital Expenditures (A.07-03-012)
  - 2011 – GAV, Updated Workpapers Supporting Chapter 6, Capital Expenditures (A.09-09-013)

4 PG&E stopped using the Legacy Top 100 Report to analyze risk or prioritize work after 2009. For this column, PG&E indicated if any project was included in the 2007, 2008 or 2009 Legacy Top 100 Report.

5 The first Gas Accord did not include a specific capital project list in the workpapers supporting the case. The first Gas Accord that did include a specific capital project list in the workpapers supporting the case was the 2004 Gas Accord.

- 2011 – PSEP, Workpapers Supporting the Following Chapters (R.11-02-019):
  - Chapter 3, Pipeline Modernization Program
  - Chapter 4, Valve Automation Program
  - Chapter 5, Pipeline Records Integration Program
- 2015 – GT&S Rate Case, Workpapers Supporting the Following Chapters:
  - Chapter 4A,Transmission Pipe Integrity and Emergency Response Programs
  - Chapter 4B, Transmission Pipe Engineering Programs
  - Chapter 5, Asset Family – Storage
  - Chapter 6, Asset Family – Facilities
  - Chapter 7, Corrosion Control
  - Chapter 9, Program Management Office
  - Chapter 10, Gas System Operations
  - Chapter 11, Information Technology
  - Chapter 12, Other GT&S Support Plans

- Column AB – This column identifies capital projects that were undertaken in response to a federal and/or Commission requirement or advisory and/or a recommendation of the NTSB.[6]
- Column AC – This column identifies the location of the project by district, division and county.

Regarding Column AA, it should be noted that inclusion of a project in a rate case request does not necessarily mean that the project was included in the final litigated or settled revenue requirement at the requested expenditure level. Rate case requests are forecasts, and like all forecasts, they change over time and are replaced with better forecasts as more information becomes available and business needs change.

6 PG&E interprets the request to note capital projects that were undertaken in response to: (1) a federal and/or Commission requirement or advisory and/or; (2) a recommendation of the NTSB. The table indicates capital projects specifically identified to be undertaken by PG&E as a direct result of a specific federal or Commission regulatory directive. PG&E uses MWCs 2H and 2J to track this type of work. For the sake of completeness, PG&E also included CPUC-ordered (KF1) expense work.

Tables 3-2 and 3-3 detail costs aggregated by MWC for those projects or work activities amounting to $250,000 or less. The column titled "Total Costs Since Inception"[7] displays the total accumulated costs for all projects or work activities totaling $250,000 or less since the order start date.

TABLE 3-2
TOTAL CAPITAL PROJECT COSTS $250,000 OR LESS
STARTED OR UNDERWAY
REPORTING PERIOD JULY 1 – DECEMBER 31, 2016
(2016 DOLLARS)[a]

MWC	Description	Recorded 7/1-12/31	YTD Recorded 12/31	Total Costs Since Inception
2H	GT PL Safety Enhance Plan-Cap	(15,404)	(192,246)	55,247
2J	GT&D Impl Regulatory Change	5,831	13,365	166,653
3K	Gas Trans Remediate Corrosion	5,569,219	9,740,509	15,396,038
3L	Gas Trans Storage Wells	279,873	481,273	541,256
44	Gas Capital:GasTrans-Sub	263,707	264,897	229,728
73	GT Pipeline Capacity	193,363	(903,458)	523,613
75	GT Pipeline Reliability	2,031,889	212,807	17,300,192
76	GT Station Reliability	257,186	1,057,009	2,001,587
84	GT Gas Gathering System Manage	12,348	111,982	330,398
98	GT Integrity Management	(295,563)	1,919,236	2,727,532
	Total	**8,302,449**	**12,705,373**	**39,272,244**

[a] Dollars in new cost allocation methodology.

7 Inception Date relates to the commencement of spend against a project (order charge) or the first month of incurred costs against an order.

TABLE 3-3
TOTAL EXPENSE PROJECT COSTS $250,000 OR LESS
STARTED OR UNDERWAY
REPORTING PERIOD JULY 1 – DECEMBER 31, 2016
(2016 DOLLARS)[a]

MWC	Description	Recorded 7/1-12/31	YTD Recorded 12/31	Total Costs Since Inception [b]
CM	GT Operate System	6,924,767	13,387,154	
DF	G&E T&D Locate and Mark	7,074,000	10,656,701	
GJ	Gas Transmission Mitigate Corr	453,553	(4,748,907)	10,861,177
HP/II	CGT Balancing Accounts	9,845,953	8,100,379	9,622,079
JO	GT Pipeline Maintenance	12,226,000	24,802,955	
JP	GT Station Maintenance	8,270,000	17,897,928	
JT	GT Reliability & General Maint	(7,560,951)	44,758,139	38,784,481
KE	GT PL Safety Enhance Plan-Exp	521,861	5,098,862	188,083
KF	GT&D Impl Regulatory Change	39,625	87,937	446,711
34	Maint Gas Trans-Subsid	493,362	724,835	133,776
	Total	**38,288,170**	**120,765,983**	**60,036,307**

[a] Dollars in new cost allocation methodology.

[b] The inception to-date column for projects less than $250,000 excludes expense MWCs CM, DF, JO, and JP.

4. For Projects Exceeding $250,000, Status and Amounts Spent During Reporting Period, Calendar Year and Total Amounts Spent, and Reprioritization if Any

For each project or work activity with a cost exceeding $250,000, the Safety Report must identify and describe each capital project, and the pipeline integrity O&M work activities, that were started, underway, or completed during the reporting period, and the amount spent on each project and activity during the reporting period, the amount spent during the calendar year, and the total amount spent on each project or activity. For projects or work activity with a cost of $250,000 or less, those may be reported as an aggregate by MWC. The Safety Report must include the start date, the completion date or anticipated completion date, and a description of the work that was performed during the reporting period. If PG&E began a project or O&M activity during the reporting period that was not previously identified as a planned project or activity in a prior Safety Report, PG&E must provide an explanation of why that project or activity proceeded ahead of other projects or activities that were previously listed as a planned project or activity, and the source of the monies to be used on this project or activity.

Response

Table 3-1 in Appendix A shows the data requested in Question 4. A brief description of the columns and the data they contain was included in the previous section. In this report, Table 3-1 includes projects forecasted to spend over $250,000, but may have zero spend in any or all of the financial columns. There are many reasons why a previously planned project may show no spending in the planned reporting period. These reasons include:

a. Changes in Project Scope – Projects in the early planning stage may have similar scopes of work to other projects. When these instances are identified, one project may be combined with another, leaving one project to be cancelled.
b. Placeholder Projects – Some planned projects may be general in nature and serve as placeholders for specific projects, the exact details of which have not yet been determined. As specific project details are validated, the placeholder project may be cancelled to reflect the specific project.

c. Changes in Project Schedule – A project's schedule may also change due to critical system operational needs, outage coordination issues, weather, environmental requirements, permitting delays, land acquisition complexities, or resource scheduling conflicts.
d. Problem Resolution – A project may be cancelled or its funding reduced when there is a change in operational need, or modification of other equipment resolves the initial objective.

Projects that were not identified in GT&S Safety Report No. 2016-01 are shown at the bottom of the capital and expense sections of Table 3-1 as indicated in Column D. The remaining projects with order start dates in the July 1 to December 31, 2016 reporting period (but were not identified in GT&S Safety Report No. 2016-01) are discussed below.

<u>73 Capital Projects Started in the Reporting Period</u>

These projects fall into eight general categories:

1) Pipeline Replacements
2) Pipeline Reliability Projects
3) Station Reliability Projects
4) Capacity Projects
5) Integrity Management
6) Emergency and Unforeseen
7) Storage/Well Rework
8) GT Remediate/Cathodic Protection

Some of this work may be newly identified during the year and added to the forecast spend plan for 2016. Some of this work was planned to proceed in 2016, but did not have a specific Job ID or order number assigned until the second half of 2016.

<u>98 Expense Projects Started in the Reporting Period</u>

These projects fall into four general categories:

1) Cathodic Protection Work
2) Reliability and General O&M
3) Emergency and Unforeseen
4) Integrity Management

Some of this work was newly identified during the year and added to the forecast spend plan for 2016. Some of this work was planned to proceed in 2016,

but did not have a specific Job ID or order number assigned until the second half of 2016. Some 2016 expense project spend scheduled for July 1 to December 31, 2016 may have been moved to a later period as a result of third party delays, scheduling conflicts, or permit issues.

Tables 3-2 and 3-3 detail costs aggregated by MWC for those projects or work activities amounting to $250,000 or less. The column titled "Total Costs Since Inception"[8] displays the total accumulated costs since the order start date for all those projects or work activities amounting to $250,000 or less.

[8] Inception Date relates to the commencement of spend against a project (order charge) or the first month of incurred costs against an order.

5. Explanation of Any Variances for Budgeted Capital and Expense

If PG&E does not spend the entire amount budgeted for gas storage capital projects, pipeline-related capital projects, or O&M activities related to pipeline safety, reliability, and integrity, PG&E must provide an explanation in its Safety Report. Similarly, if PG&E spends in excess of the amount budgeted for these capital projects or O&M activities, PG&E must provide an explanation in its Safety Report.

Response

Table 5-1 shows the expense O&M budgets and recorded amounts for 2016. The expense program (excluding StanPac) over spent by $34.6 million compared to the budget as of January 1, 2016. StanPac under spent by $1.5 million compared to the budget as of January 1, 2016.

Table 5-2 shows the capital budget and recorded amounts for 2016. The capital program (excluding StanPac) over spent by $36 million compared to the budget as of January 1, 2016. The StanPac program over spent by $0.4 million compared to the budget as of January 1, 2016.

The detailed variance explanations of over spending or under spending greater than $0.1 million by MWC are provided below.

Gas Transmission Expense

- **MWC JO:** $0.8 million (3.1%) underrun of budget primarily due to lower than planned internal labor costs.
- **MWC JP:** $ 3.0 million (19.7%) overrun of budget primarily due to new incremental work associated with the Department of Conservation's Division of Oil, Gas and Geothermal Resources (DOGGR) emergency regulations.
- **MWC JT:** $35.2 million (12%) underrun of budget primarily due to more integrity management strength tests, resulting in less spending on base strength tests.
- **MWC CM:** $1.2 million (9.2%) overrun of budget due to increase in scope of work for 2016.
- **MWC KE:** $5.4 million variance due to prior year carry-over costs for PSEP and Pipeline Feature Lists (PFL).
- **MWC DF:** $6.4 million (150%) overrun of budget driven by higher volume of stand-by requests than planned.

- **MWC GJ:** $12.2 million (31.6%) underrun was mainly due to a reprioritization of work that pushed casing mitigation work beyond 2016.
- **MWC II/HP:** $66.8 million (46.4%) overrun of budget due to more integrity management strength test work and increased costs in the In-Line Inspection (ILI) program.

StanPac

- **MWC 34:** $1.5 million (41.3%) underrun primarily due to scope change for pigging SP-5 project.

Gas Transmission Capital

- **MWC 73:** $10.2 million (11%) underrun due to efficiencies realized in the Line 407 project as well as certain land settlement costs delayed to 2017.
- **MWC 75:** $63.5 million (27.2%) overrun due to completion of more short pipe replacements work in 2016 than planned.
- **MWC 76:** $3.2 million (2.9%) overrun of budget due to increase in routine compression and processing work in 2016 than planned.
- **MWC 84:** $0.9 million (478.8%) overrun of budget due to scope change in excess of budget.
- **MWC 98:** $6.1 million (4.7%) overrun of budget due to higher than planned costs incurred for ILI upgrades. Drivers included increased scope and features to upgrade lines.
- **MWC 2H:** $28.0 million (59.2%) underrun of budget mainly due to environmental permit restrictions on emissions preventing projects from being completed concurrently, which caused projects to be postponed into future years.
- **MWC 3K:** $11.3 million (19.5%) underrun was mainly due to a reprioritization of work that pushed casing work beyond 2016 due to the uncertainty of the timing of the final 2015 GT&S Decision.
- **MWC 3L:** $11.7 million (87.1%) overrun of budget due to increased emergent equipment replacement for well reworks, installing cemented liners (casings), and responding and resolving the leak event at McDonald Island.

StanPac

- **MWC 44:** $0.4 million (4.6%) overrun due to completion of additional jobs not initially planned for 2016. While funds were allocated generally for those additional projects, the actual costs incurred were greater than anticipated.

TABLE 5-1
SUMMARY OF O&M ACTIVITIES SPEND
REPORTING PERIOD JULY 1 – DECEMBER 31, 2016
(THOUSANDS OF 2016 DOLLARS)[a]

MWC	MWC Description	Annual Budget 1/1/16	Adjusted Annual Budget 12/31/16	Recorded Spend 7/1-12/31	Recorded Spend 2016 YTD	Variance (YTD Actuals-Budget 1/1)
JO	GT Pipeline Maintenance	25,583	26,788	12,226	24,803	(780)
JP	GT Station Maintenance	14,949	14,948	8,270	17,898	2,949
JT	GT Reliability & General Maint [b]	292,614	250,914	103,067	257,394	(35,220)
CM	GT Operate System	12,596	11,346	7,273	13,761	1,164
KE	GT PL Safety Enhance Plan-Exp	0	0	742	5,444	5,444
KF	GT&D Impl Regulatory Change	0	0	41	90	90
DF	G&E T&D Locate & Mark	4,265	9,150	7,074	10,657	6,392
GJ	Gas Transmission Mitigate Corr	38,665	24,784	12,687	26,431	(12,233)
II / HP	GT Integrity Management [b]	143,952	148,813	148,617	210,752	66,800
Gas Transmission Expense		**532,623**	**486,743**	**299,997**	**567,230**	**34,606**
StanPac						
34	Maintain Gas Trans-Subsidiary	3,540	3,540	1,601	2,080	(1,460)
Gas Transmission Expense- Including StanPac		**536,164**	**490,283**	**301,598**	**569,310**	**33,146**

[a] Dollars in new cost allocation methodology.
[b] Includes annual budget and accounting adjustments between MWCs JT and HP.

TABLE 5-2
SUMMARY OF CAPITAL PROJECT SPEND
REPORTING PERIOD JULY 1 – DECEMBER 31, 2016
(THOUSANDS OF 2016 DOLLARS)[a]

MWC	MWC Description	Annual Budget 1/1/16	Adjusted Annual Budget 12/31/16	Recorded Spend 7/1-12/31	Recorded Spend 2016 YTD	Variance (YTD Actuals-Budget 1/1)
73	GT Pipeline Capacity	92,798	116,089	68,258	82,579	(10,219)
75	GT Pipeline Reliability	233,126	283,493	145,836	296,638	63,512
76	GT Station Reliability	112,671	116,722	56,387	115,913	3,242
84	GT Gas Gathering System Manage	184	1,217	291	1,064	881
98	GT Integrity Management	128,315	146,815	76,125	134,391	6,076
2H	GT PL Safety Enhance Plan- Cap	47,300	47,300	17,679	19,280	(28,020)
3K	Gas Trans Remediate Corrosion	57,867	32,322	24,255	46,579	(11,288)
3L	Gas Trans Storage Wells	13,453	19,291	19,145	25,168	11,714
2J	GT&D Impl Regulatory Change	0	0	24	54	54
Gas Transmission Capital		**685,714**	**763,249**	**408,000**	**721,666**	**35,952**
StanPac						
44	Gas Capital:GasTrans-Subsidiary	8,760	8,760	8,182	9,165	405
Gas Transmission Capital- Including StanPac		**694,474**	**772,009**	**416,182**	**730,831**	**36,358**

[a] Dollars in new cost allocation methodology.

Risk and Integrity Management

6. Current Status of Legacy Top 100

The Safety Report must attach PG&E's most recent Risk Management Top 100 report, or its successor report, and PG&E must identify any changes from the prior report and explain the reasons for the changes. If the Risk Management Top 100 report or its successor is unchanged from the prior Safety Report; PG&E may provide a reference to the earlier Risk Management Top 100 report or its successor report.

Response

As stated in PG&E's Safety Report No. 2011-01, dated September 30, 2011, PG&E has moved away from using a "Top 100" listing of the pipe segments as a tool for identifying, assessing, managing and mitigating risk associated with its natural GT pipelines. Table 6-1 of the GT&S Safety Report No. 2015-02 provided the final status of each segment based on traceable, verifiable, and complete records, and indicates the status as "Complete," "Deactivated," or "Monitoring."

7. Most Recent Pipeline Inspection Plan, Progress, Methods, Locations, Results and Discrepancies With Prior Records

The Safety Report must attach PG&E's most recent gas transmission pipeline inspection plan. If the gas transmission pipeline inspection report is unchanged from the prior Safety Report, PG&E may provide reference to the earlier gas transmission pipeline inspection report. PG&E must describe in the Safety Report the progress of performing those inspections, the results of the inspections, and the inspection method that is being used to examine each specific pipeline segment. PG&E must also provide a location description of the pipelines that have been or are planned to be inspected, and identify and describe any discrepancies with PG&E's pipeline records that are uncovered by the inspection.

Response

PG&E's GT Pipeline Inspection Plan is shown in Table 7-1. The table shows the MWC that the inspection activity falls under, as well as the inspection method and a brief description. PG&E defines "inspection plan activities" as routinely scheduled field inspections where data collection is a primary part of the inspection. In the normal course of performing inspections, a corrective notification may be generated if there is an item which needs additional attention. A corrective notification is a form that is completed and entered into SAP, which indicates some type of follow up action is necessary based on the inspection. The form also contains the recommended timeline for follow up action to be scheduled. These notifications are then scheduled and tracked to completion in SAP. The corrective notification may already be completed or could still be outstanding depending on what corrective action is needed and by when.

Cathodic Protection Assets remain in the SAP legacy work management system described above. All scheduled and completed cathodic protection maintenance work continues to be captured through the notification-based model.

In 2015 and 2016, PG&E transitioned maintenance planning for Regulator and Valve Maintenance from a SAP legacy work management system to a new SAP platform, Asset Maintenance Backbone & Stations (AMBBS). All Divisions and Districts transitioned to the AMBBS system as of March 1, 2016. As a result, for this report, PG&E used an alternate method to calculate scheduled and completed regulator and valve maintenance work which tallies operations

performed rather than notifications. PG&E will use this methodology for future reports.

Progress towards performing the inspections is shown under the "Total Units Planned" and "Units Complete" columns.[9] A summary of the results of each inspection method is included in Table 7-1.

PG&E's pipeline patrol program has designated aerial patrol, which includes field responses to aerial observations, as the predominant patrol method. The program continues to support video review of aerial patrols as a quality control measure and in identifying new construction that may change Class Location.

In accordance with the Commission's order that "California natural gas operators shall comply with [General Order] GO 112-F as soon as feasible but no later than January 1, 2017" (D.15-06-044, p. 15), PG&E performed leak survey on its natural GT system twice in 2016, with the exception of a small number of isolated locations that were surveyed once. These isolated locations will be re-surveyed semi-annually in 2017 in accordance with GO 112-F.

The planned units for the Integrity Management Assessments were gathered from the 2014 Transmission Integrity Management Assessment Plan, and were prioritized by compliance dates, risk reduction per PG&E's System-Wide Piggability Study for ILI, and neighboring HCAs for some External Corrosion Direct Assessment (ECDA) projects. The completed units for ILI Assessments, Direct Assessments, i.e., ECDA, Internal Corrosion Direct Assessment, and Stress Corrosion Cracking Direct Assessment (SCCDA), pressure test assessments, and pipe replacements were reproduced from the GT Integrity Management Monthly Progress Report.

Information contained within the monthly progress report is acquired after the completion of each Integrity Management assessment and provides the Transmission Integrity Management organization with a comparison of planned versus completed units.

[9] Units planned and completed as reported in Table 7-1 are subject to change pending adjustments to the maintenance plan and close out of work.

TABLE 7-1
GAS TRANSMISSION PIPELINE INSPECTION PLAN
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016

MWC / MAT	Inspection Method	Description	Total Units Planned (1/1/2016-12/31/2016)	Units Complete (1/1/2016-6/30/2016)	Units Complete (7/1/2016-12/31/2016)	Total Units Completed in 2016	Results	Location
JO / JOE / JOW / HPE	Leak Survey	GT leak survey is conducted either quarterly, semi-annually or monthly in the case of TIMP special survey. Leak survey involves taking instrumented reads over the pipeline in order to determine the presence of any gas leaks. All leaks that are found are either fixed immediately if deemed hazardous (Grade 1) or graded and scheduled for repair or recheck (Grade 2, 2+, or 3).	14,343 Miles	7,574 Miles	7,504 Miles	15,078 Miles	As a result of the 2016 transmission leak survey inspections, a total of 859 leaks were found: 39 Grade 1 leaks 25 Grade 2+ leaks 150 Grade 2 leaks 645 Grade 3 leaks	Leak Survey was performed system-wide on GT pipelines.
JO / JOA / JOB	Cathodic Protection (CP) Monitoring	CP Monitoring includes taking pipe-to-soil reads (which provides information about the cathodic protection levels on the pipeline) and rectifier reads. GT rectifier reads are taken every other month (bi-monthly) and pipe-to-soil reads are required, at a minimum, annually. Gas Local Transmission (GLT or LT) rectifiers are read, at a minimum, annually and pipe-to-soils are read bi-monthly.	9,976 Reads[(a)]	5,483 Reads	4,436 Reads	9,919 Reads	As a result of GT CP monitoring during 2016, a combined 81 GT corrective notifications were issued and 1,267 troubleshoot notifications were issued PG&E continues to validate 2016 data, including review of the remaining 57 open reads. As PG&E completes its data clean-up of the remaining reads, PG&E will report missed maintenance, if any, though the appropriate channels.	CP Monitoring was performed system-wide on GT pipelines.

TABLE 7-1
GAS TRANSMISSION PIPELINE INSPECTION PLAN
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016
(CONTINUED)

MWC / MAT	Inspection Method	Description	Total Units Planned (1/1/2016-12/31/2016)	Units Complete (1/1/2016-6/30/2016)	Units Complete (7/1/2016-12/31/2016)	Total Units Completed in 2016	Results	Location
JOI / JOH / JO1 / JOG / JOK / JPE / JOX	District Regulator Maintenance	GT district regulator stations receive two different types of maintenance inspections. An "A" inspection consists of a diagnostic test of the regulator function, visual inspection of the regulator environment and operation of all valves, and is conducted annually. A "B" inspection consists of everything that is required in the "A" inspection and it also includes an internal inspection of the regulator equipment and replacement of all rubber goods. The "B" inspection is performed, at a minimum, once every 4 years.	6,865 District Regulator Operations[(b)]	3,117 District Regulator Operations	3,549 District Regulator Operations	6,666 District Regulator Operations	As a result of 2016 GT regulator maintenance inspections, 910 GT corrective notifications were issued. Validation of 2016 data due to the system migration into SAP through the AMBBS project is ongoing which includes review of the remaining 199 open operations for district regulator maintenance inspections. As PG&E completes its data clean-up/ stabilization of the remaining items, PG&E will report missed maintenance, if any, though the appropriate channels.	District Regulator Maintenance was performed system-wide on GT pipelines.

TABLE 7-1
GAS TRANSMISSION PIPELINE INSPECTION PLAN
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016
(CONTINUED)

MWC / MAT	Inspection Method	Description	Total Units Planned (1/1/2016-12/31/2016)	Units Complete (1/1/2016-6/30/2016)	Units Complete (7/1/2016-12/31/2016)	Total Units Completed in 2016	Results	Location
JOI / JOH / JO1 / JOG / JOK / JPE / JOX	Valve Maintenance	GT valve maintenance involves operating and inspecting the valve on an annual basis.	4,822 Valve Operations(c)	2,387 Valve Operations	2,283 Valve Operations	4,670 Valve Operations	As a result of the 2016 GT valve maintenance inspections, 208 GT corrective notifications were issued. Validation of 2016 data, due to the system migration into SAP through the AMBBS project, is ongoing which includes review of the remaining 152 open operations for valve maintenance. As PG&E completes its data clean-up/stabilization of the remaining items, PG&E will report missed maintenance, if any, though the appropriate channels.	Valve Maintenance was performed system-wide on GT pipelines.
JOV / JOF	Pipeline Patrol	Transmission pipeline patrols are currently conducted by fixed-wing aircraft, helicopter, on the ground by four-wheeled vehicle, and on foot. These patrols are conducted at a minimum on a quarterly basis to meet federal code requirements. The planned units are based on a goal of performing patrols more frequently, on a monthly basis (weather and equipment permitting).	125,758 Miles	59,353 Miles	59,248 Miles	118,600 Miles	As a result of the transmission pipeline patrols during the second half of 2016, a total of 59,248 miles were patrolled for the patrol program. Additionally, a total of 1,618 miles of special patrols were performed.(d) A total of 620 observations were reported.	Pipeline Patrol was performed system-wide on GT pipelines, select distribution facilities, and GT systems.

TABLE 7-1
GAS TRANSMISSION PIPELINE INSPECTION PLAN
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016
(CONTINUED)

MWC / MAT	Inspection Method	Description	Total Units Planned (1/1/2016-12/31/2016)	Units Complete (1/1/2016-6/30/2016)	Units Complete (7/1/2016-12/31/2016)	Total Units Completed in 2016	Results	Location
DF / DFB	Standby/Field Meets	Whenever a proposed excavation is within 10 feet of our GT pipelines/ Critical facilities, a field meet with the excavator is required. If the proposed excavation is confirmed to be within 5 feet of the GT pipeline/ critical facility a standby employee will be present during the excavation.	9,348 Standby / Field Meet Requests	4,182 Standby / Field Meets Performed	5,191 Standby / Field Meets Performed	9,373 Standby / Field Meets Performed	Trained and operator qualified employees provide excavators with instruction, coaching, and direction on correct excavation practices. These can and will lead to stop work authority actions.	DF / DFB
HP / HPF / JT / JTC / JTD / 75 / 75N	Pipeline Hydrostatic Testing	The hydrostatic testing work involves three parallel efforts. Pressure tests are performed by filling the inside of the pipeline with water and carefully raising the pressure to a predetermined value and holding it for a period of time. The other work associated with the testing is pipeline replacement, where necessary, and the validation of records to prove a pipeline has had a prior hydrostatic test performed.	87 Miles(e)	39.99 Miles(f)	49.06 Miles	89.05 Miles	PG&E located and validated records of prior hydrostatic testing related to 10.46 miles of pipeline in 2016.(g) PG&E addressed 48 of 72 of miles of National Transportation Safety Board pipe through strength test in 2016.	Hydrostatic testing was performed on the following pipelines: L-300A/B, BD465, BD466, DFM-0402-01, DFM 0604-03, DFM0834-01, DFM-1615-01, DFM 7204-01, DFM 7224-01, DFM 8805-04, DREG4450, DREG5569, L-021G, L-105N, L-118A, L-121, L-153, L-181A, L-402, X6430 BD465, BD466, DFM 0402-01, DFM 0604-03, DFM 0609-02, DFM 0613-01, DFM 0806-01, DFM 0834-01, DFM 1217-01, DFM 1615-01, DFM 7204-01, DFM 7224-01, DFM 8805-04, DREG4450, DREG4497, DREG4738, DREG5569

TABLE 7-1
GAS TRANSMISSION PIPELINE INSPECTION PLAN
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016
(CONTINUED)

MWC / MAT	Inspection Method	Description	Total Units Planned (1/1/2016-12/31/2016)	Units Complete (1/1/2016-6/30/2016)	Units Complete (7/1/2016-12/31/2016)	Total Units Completed in 2016	Results	Location
HP / JT / HPB / HPC / HPK / HPF / JT6	Integrity Management Assessments	IM Assessments involve using one of the federally approved methods to assess transmission pipeline segments in HCAs. These assessment methods include ILI, DA, Pressure Testing or a combination of these methods. Baseline assessments are scheduled upon risk. Subsequent re-assessments are typically scheduled on either a 5 or 7 year cycle, but may be accelerated on conditional factors.	316.7 Miles(h)	63.2 Miles(i)	166.8 Miles	230.0 Miles	In the second half of 2016, PG&E made 20 Immediate and eleven Scheduled repairs as a result of ILI inspections. The repair methods include; installing clock springs, installing sleeves, or cutting out and replacing small sections of pipe. During the second half of 2016, PG&E made two Scheduled repairs as a result of ECDA. Both repairs were made using clock springs. There were some assessments initially planned for 2016 that were both not due for assessment based on the compliance cycle (until 2017 or later) and moved out of the 2016 work plan.	ILI – L-119B, L-138, L-300B, L-057A, L-401 Non-Traditional ILI – L-0609-02, L-1402-01, L-116, L-0613-01, L-109, L-0126-01, L-109-2 ECDA – L-109, L-021C, L-021E, L-181, L-300, L-215, L-0405-01, L-153, L-302, L-148, L-301, L-119B, L-116 SCCDA – L-400, L-300A, L-300B Hydro – L-402, L-021H, L-118A, L-0609-02, L-0613-01, L-136, DREG4497, L1217-01, L-109, L-119B, L-318-3-6, L300A, L-0813-02, L-0814-05, L-118B, L-1815-15, L-186, L-1501-02, L-301B, DREG4260, L-191-1, L-132 Pipe Replacement – L-0126-01, L-1521-01, L-1220-01, L-121

(a) The "total units planned" is different from Report 2016-01, because the planning tool for CP monitoring is dynamic. The 2016-01 report provided a snapshot in time.

(b) The "total units planned" is different from Report 2016-01, because the planning tool for District Regulator Maintenance is dynamic. The 2016-01 report provided a snapshot in time.

(c) The "total units planned" is different from Report 2016-01, because the planning tool for Valve Maintenance is dynamic. The 2016-01 report provided a snapshot in time.

(d) A "special patrol" is conducted in addition to regular, routine patrolling activities. It is usually in response to a natural disaster or a special request for temporary additional monitoring.

(e) The units planned decreased to 87 because the prior GT&S Safety Report included the 2016 stretch goal instead of the units planned budgeted in 2016. A "stretch goal" is a revised proposed mileage target based on an optimistic schedule. It incorporates additional projects beyond the planned units and as such, is a different metric.

(f) The mileage completed in the first half of 2016 increased due to updates in project schedules after GT&S Safety 2016-01 report was submitted.

(g) Further validation of Pipeline Hydrostatic Testing records related to scheduling work was recently conducted and revealed an overlap of miles with validated records such that GT&S Safety Report 2016-01 included 2015 information. To resolve this issue, the number of miles with validated records was updated to 10 from 21 as previously provided.

(h) The mileage planned in the first half of 2016 increased due to a 2015 ECDA project that carried over to 2016, and which was inadvertently not included in the 2016-01 Report.

(i) There were Assessment Completion forms which were not signed and accepted until after the submission of the 2016-01 report for some projects completed in Q1/Q2. The adjusted number accounts for projects with Assessment Completion forms signed after the 2016-01 submittal.

Table 7-2 contains any records discrepancies found as a result of the planned inspections during the July 1 to December 31, 2016 reporting period. In the course of performing 10,268 facility inspections and 66,967.9 cumulative miles of pipeline patrols and surveys, the following seven items were discovered, requiring updates or corrections to the pipeline records.

TABLE 7-2
INSPECTIONS RECORDS DISCREPANCIES REPORT
INSPECTION TYPES: LEAK SURVEY, PATROL, CP AND REGULATOR INSPECTIONS, HYDROTEST, ILI, ECDA, CAMERA, MAOP VERIFICATION DIGS
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016

Date(s) of Inspection (Start-End)	Type of Inspection	Location of Inspection (Line, Mile Point)	What document was discrepancy found	Brief description of Discrepancy
7/28/2016	Hydrotest (T-1069)	DREG 4738 Mile Point (MP) 0.017	AS-BUILT	Pressure Control Fitting (PCF) was indicated on As-built document at MP 0.00. The PCF is located at MP 0.017.
7/22/2016	Hydrotest (T-1069)	DREG 4738 MP 0.00	AS-BUILT	As-built document did not indicate field bend, wrinkle bends, and insulating fittings at MP 0.00. These features were exposed during field excavation.
8/5/2016	Hydrotest (T-1069)	DREG 4738 MP 0.33	PFL (Pipe Feature List)	Distribution Plat documentation indicated unnamed valve at MP 0.33, no valve was found.
9/17/2016	ILI	Line 57A, MP 15.50	PFL	ILI Vendor Report provided on 11/4/2016 indicated 0.375" Wall Thickness (WT) for a 30ft. joint of pipe, as determined by the ILI tool. PFL showed 0.250" WT for the same section of pipe.
9/26/2016	ILI	Line 147, MP 3.57	PFL	Upon reviewing the ILI data, the Asset Knowledge Management Team discovered that the ILI Tool detected 0.375" WT for a six foot long section of pipe, whereas the PFL indicated this was 0.500" WT.(a)
9/26/2016	ILI	Line 147, MP 1.40	PFL	The PFL data for job 163739 shows that pipe was installed in 1966 and that all 24" pipe installed contained a Double Submerged Arc Weld (DSAW) long seam. However the corresponding ILI Pipe Tally showed a 130 foot section where no long seam existed. The ILI Pipe Tally verified that this 130 foot section is Seamless, not DSAW.

TABLE 7-2
INSPECTIONS RECORDS DISCREPANCIES REPORT
INSPECTION TYPES: LEAK SURVEY, PATROL, CP AND REGULATOR INSPECTIONS, HYDROTEST, ILI, ECDA, CAMERA, MAOP VERIFICATION DIGS
REPORTING PERIOD JULY 1 TO DECEMBER 31, 2016
(CONTINUED)

Date(s) of Inspection (Start-End)	Type of Inspection	Location of Inspection (Line, Mile Point)	What document was discrepancy found	Brief description of Discrepancy
9/26/2016	ILI	Line 147, MP 3.23	PFL	The PFL for job 438933 showed that the pipe was installed in 1967 and listed an unknown long seam type. The Procedure for the Resolution of Unknown Pipeline Features established the long seam type to be Electric Resistance Weld. However, the corresponding section of pipe in the ILI Pipe Tally showed a 20 feet section of this job to be Seamless. In this case, the ILI Pipe Tally filled a gap in the record where the seam type was previously unknown.

(a) The wall thickness discrepancy did not create an issue with the current Maximum Allowable Operating Pressure (MAOP)

8. Status of Compliance With Federal Code on Pipeline Integrity Management

PG&E must provide in each Safety Report the status of PG&E's compliance with Title 49 of the Code of Federal Regulations (CFR), Part 192, Subpart O – Pipeline Integrity Management.

Response

Per the requirements of 49 CFR Section 192.907, PG&E developed a written Transmission Integrity Management Program on December 9, 2004. The latest version of the procedure that describes the process for implementing each program element, "TD-4810S – Gas Transmission Integrity Management Program (Former RMP-06)," was included as Appendix C in Report No. 2015-02. In the second half of 2016, PG&E made updates to several GT Integrity Management related procedures. A list of the procedures updated can be found in Table 8 below.

In accordance with PG&E's written Transmission Integrity Management Program, a completed 2004 Baseline Assessment Plan (BAP) contained all transmission pipeline segments that PG&E initially identified as HCAs. These HCA segments are subject to the requirements of Title 49 of the CFR, Part 192 Subpart O – Pipeline Integrity Management.

The initial 2004 BAP contained 975 miles of HCAs. Based on the Pipeline and Hazardous Materials Safety Administration (PHMSA) 7100.2-1 report submitted in March 2016 for end-of-year 2015, PG&E identified 1,178 miles of HCAs. The 203 mile increase in HCA mileage over the 2004-2015 period is primarily due to new construction around the pipeline, changes in identified sites, and updates to pipeline characteristics when pipeline is replaced or new data become available. These changes are identified incrementally through the annual HCA analysis.

Per the requirements of Section 192.921(d), PG&E assessed 100 percent of the 2004 BAP, as of December 17, 2012, for all PG&E and StanPac covered segments. The 2014 Assessment Plan (AP) reflects the assessment schedules for the 2004 BAP HCA reassessments and new HCAs identified after 2004. The 2015 PG&E and StanPac APs, which reflect the assessments schedules for all HCAs were signed and published in Q4 of 2016, and are attached as Appendix I and J to this report.

Per the requirements of Section 192.945(a), PG&E has submitted the required semi-annual (now annual) reports to the U.S. Department of Transportation's PHMSA since August 2004. The annual reports, submitting information for calendar year 2015, were filed with PHMSA on March 15, 2016, and are included as Appendices J and K to Report No 2016-01. The annual reports for calendar year 2016 will be filed on or before March 15, 2017, and included in Report No. 2017-01.

TABLE 8
INTEGRITY MANAGEMENT PROCEDURES UPDATED IN 2016

Document Number	Title	Appendix
TD-4127B-002	Update to High Consequence Area Determination	D
TD-4810B-001	Changes to Integrity Management Pressure Testing Requirements for Unstable Manufacturing Threats	E
TD-4810B-002	Updates to Baseline Potential Calculation	F
TD-4810B-003	Removal of Direct Examination Requirement as a Result of Reclassification or Reprioritization	G
TD-4810P-010	Internal Corrosion Direct Assessment Program (Former RMP-10)	H

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX A

TABLE 3-1 GAS TRANSMISSION PROJECT

CAPITAL AND EXPENSE

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
1	Capital	PSEP	Y	23365	P.03741	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-109_1 REPL 3.89MI MP 3.41-9.88 WBS	Close-Out	2/11/2011	7/16/2012	2/13/2013	12/12/2012	N	N	N	114,886	119,737	52,642,223	52,642,223		N/A	2011P	Y	Local Trans-south-San Jose-Santa Clara County
2	Capital	PSEP	Y	23378	P.03672	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	Valve Auto - Phase 1	Close-Out	4/20/2011	4/1/2011	2/17/2012	2/17/2012	N	N	N			15,438,963	15,438,963		N/A	2011P	Y	Local Trans-south-Peninsula-San Mateo County
3	Capital	PSEP	Y	23617	30841614	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	*CANC*7226-02 REPL 0.03MI MP 0.27-0.41 P	Close-Out	3/1/2011	11/1/2011	12/31/2014	12/31/2014	N	N	N						Y	2011P	Y	Local Trans-south-Yosemite-Contra Costa County
4	Capital	PSEP	Y	23631	30842326	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - WALNUT AVE PH. 1	Close-Out	5/24/2011	6/3/2013	10/15/2013	10/11/2013	N	N	N			1,690,956	1,690,956		N/A	2011P	Y	Local Trans-north-Diablo-Contra Costa County
5	Capital	PSEP	Y	23632	30842286	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - FOLEY S RANCH CROSSOVER PH1	Close-Out	5/24/2011	7/30/2014	10/1/2015	4/8/2015	N	N	N	-690	13,374	2,646,007	2,646,007		N/A	2011P	Y	Tracy-Alameda County
6	Capital	PSEP	Y	23633	30842324	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - VARGAS CROSSOVER PH. 1	Close-Out	5/24/2011	8/25/2014	11/14/2014	11/5/2014	N	N	N			1,431,246	1,431,246		N/A	2011P	Y	Milpitas/hollister-Alameda County
7	Capital	PSEP	Y	23634	30842295	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	GT VALVE AUTO - IRVINGTON PH. 1	Close-Out	5/24/2011	7/21/2014	3/9/2015	11/24/2014	N	N	N	4 870	4 052	3 873 806	3 873 806		N/A	2011P	Y	Milpitas/hollister-Santa Clara County
8	Capital	PSEP	Y	23635	30842300	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - EAST AIRWAY PH. 1	Close-Out	5/24/2011	9/18/2013	11/19/2013	11/8/2013	N	N	N		289	1,122,127	1,122,127		N/A	2011P	Y	Tracy-Alameda County
9	Capital	PSEP	Y	23636	30842279	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	V-046 L-114 DALTON CROSSOVER 2V PH1	Close-Out	5/24/2011	7/7/2014	12/19/2014	11/24/2014	N	N	N	52,051	92,686	3,739,310	3,763,986		N/A	2011P	Y	Tracy-Peninsula-Alameda County
10	Capital	PSEP	Y	23637	30842301	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - LIVERMORE JUNCTION PH. 1	Close-Out	5/24/2011	8/28/2013	10/4/2013	9/27/2013	N	N	N			896,686	896,686		N/A	2011P	Y	Tracy-Alameda County
11	Capital	PSEP	Y	23644	30841466	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	GT VALVE AUTO - HINKLEY COMPRESSOR STATI	Close-Out	5/24/2011	7/21/2014	12/13/2014	12/9/2014	N	N	N	8 586	10 609	2 957 785	2 957 785		N/A	2011P	Y	Hinkley-San Bernardino County
12	Capital	PSEP	Y	23645	30842268	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - ALVARADO PH. 1	Close-Out	5/24/2011	4/15/2013	7/10/2013	7/11/2013	N	N	N			1,136,509	1,136,509		N/A	2011P	Y	Local Trans-north-Mission-Alameda County
13	Capital	PSEP	Y	23646	30841467	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	V-079 L-300A 2AX PLS 2V PH1	Close-Out	5/24/2011	9/15/2014	1/5/2015	12/17/2014	N	N	N	-19,409	55,512	813,659	813,659		Y	2011P	Y	Hinkley-Central Coast-San Bernardino County
14	Capital	PSEP	Y	23657	30842273	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	V-054B L-002 BRENTWOOD TERMINAL 8V PH1	Close-Out	5/24/2011	7/7/2014	1/5/2015	11/17/2014	N	N	N	1,387	1,078	8,217,671	8,217,671		N/A	2011P	Y	Tracy-Peninsula-Alameda County
15	Capital	PSEP	Y	23659	30842296	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	GT VALVE AUTO - LAKES VALVE LOT PH. 1	Close-Out	5/24/2011	11/10/2014	1/28/2015	12/19/2014	N	N	N	-12,110	2,050	1,207,441	1,207,441		Y	2011P	Y	Tracy-East Bay-north-Alameda County
16	Capital	PSEP	Y	23670	30842284	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	V-065 L-210A FAIRFIELD CROSSOVER	Close-Out	5/24/2011	9/23/2014	12/2/2016	12/24/2014	N	N	Y	149,235	274,867	3,201,888	3,201,888		N/A	2011P	Y	Local Trans-north-Sacramento-Sacramento County
17	Capital	PSEP	Y	23677	30841610	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	*CANC*0.48MI MP 0.00-0.50 PH1	Close-Out	5/24/2011	5/1/2012	12/1/2015	12/1/2015	N	N	N					2009 (34)	N	2011P	Y	Local Trans-north-Sacramento-Sacramento County
18	Capital	PSEP	Y	23688	P.04069	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-114_2 REPL 7.51MI MP 9.03-16.52 WBS	Close-Out	3/4/2011	1/8/2013	12/6/2013	10/21/2013	N	N	N	-1,762	32,568	62,689,837	62,689,837		N/A	2011P	Y	Local Trans-north-Diablo-San Joaquin County
19	Capital	PSEP	Y	23692	P.04064	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-109_4 REPL 6.50MI MP 24.84-33.08 WBS	Construction	7/1/2011	4/16/2018	9/12/2019	8/6/2019	N	Y	N	16,840,537	19,077,741	44,957,730	100,531,923		N/A	2011P	Y	Local Trans-south-Peninsula-San Mateo County
20	Capital	PSEP	Y	23698	P.04287	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-210A REPL 2.02MI MP 19.69-25.62 WBS	Close-Out	10/1/2012	5/28/2013	10/18/2013	8/29/2013	N	N	N			11,351,236	11,351,236		N	2011P	Y	Local Trans-north-Sac-vacadixon-Napa County
21	Capital	PSEP	Y	23702	P.04136	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-196A Repl 2.06MI MP 11.42-13.45 WBS	Close-Out	10/1/2012	9/15/2014	5/1/2015	4/10/2015	N	N	N	8,365	278,945	18,353,181	18,538,181		N	2011P	Y	Rio Vista-Sacramento-Sacramento County
22	Capital	PSEP	Y	23704	P.04063	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-109_3 REPL 5.15MI MP 17.01-24.00 WBS	Close-Out	9/26/2011	8/11/2014	4/17/2015	2/2/2015	N	N	N	133,717	-1,623,788	73,463,039	73,463,039		N/A	2011P	Y	Local Trans-south-Central Coast-San Mateo County
23	Capital	PSEP	Y	23720	P.04062	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	DFM-7221-10 REPL 4.05MI MP 12.07-16.13	Close-Out	2/28/2011	5/20/2013	10/26/2013	8/13/2013	N	N	N	4,113	8,114	18,935,175	18,999,375		Y	2011P	Y	Local Trans-south-Yosemite-Stanislaus County
24	Capital	PSEP	Y	23724	P.04003	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-109 2 REPL 4.07MI MP 2.82-16.93 WBS	Close-Out	7/1/2011	8/28/2012	3/10/2014	12/17/2012	N	N	N	348 315	611 481	63 623 014	63 623 014		N/A	2011P	Y	Local Trans-south-Peninsula-San Joaquin County
25	Capital	PSEP	Y	23728	P.04059	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-103 REPL 8.36MI MP 5.68-22.21 WBS	Close-Out	8/4/2011	9/11/2012	1/23/2013	11/14/2012	N	N	N			8,104,073	8,104,073		N	2011P	Y	Local Trans-south-Central Coast-Monterey County
26	Capital	PSEP	Y	23743	P.04060	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-118A REPL 8.11MI MP 0.00-12.55 WBS	Close-Out	1/10/2012	6/10/2013	6/6/2014	11/25/2013	N	N	N			43,020,201	43,020,201		Y	2011P	Y	Local Trans-south-Fresno-Monterey County
27	Capital	PSEP	Y	23746	30841475	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-131_2 REPL 0.32MI MP 8.13-8.45 PH1	Close-Out	5/24/2011	7/16/2012	9/7/2012	8/24/2012	N	N	N			2,771,174	2,771,174		N/A	2011P	Y	Local Trans-north-Diablo-San Joaquin County
28	Capital	PSEP	Y	23748	30841618	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	*CANC* REPL 0.02MI MP 5.42-5.43 PH1	Close-Out	5/24/2011	6/1/2011	10/2/2013	10/2/2013	N	N	N						Y	2011P	Y	Local Trans-north-Diablo-Contra Costa County
29	Capital	PSEP	Y	23749	P.06332	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	TAPS-REPL MI PH1	Close-Out	10/15/2013	11/19/2014	1/12/2015	4/30/2014	N	N	N	1,780	2,030	1,264,525	1,264,525		N/A	2011P	Y	Local Trans-north-Mission-Alameda County
30	Capital	PSEP	Y	23750	P.06327	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	TAPS-REPL CC WBS	Close-Out	1/15/2014	6/2/2014	7/16/2014	4/29/2014	N	N	N	55	-71,486	1,269,046	1,269,046		N/A	2011P	Y	Local Trans-south-Central Coast-Monterey County
31	Capital	PSEP	Y	23758	30842247	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	*CANC* L-050A-1 REPL 0.09MI MP 0.66-2.32	Close-Out	5/24/2011	8/1/2011	9/28/2012	9/28/2012	N	N	N						Y	2011P	Y	Local Trans-north-Sierra-Monterey County
32	Capital	PSEP	Y	23762	P.06671	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	DFM-1813-02 REPL 0.01MI MP 1.00-1.06 PH1	Close-Out	5/24/2011	6/20/2013	7/25/2013	7/23/2013	N	N	N			741 942	741 942		N/A	2011P	Y	Kettleman-Central Coast-Fresno County
33	Capital	PSEP	Y	23773	30842235	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	*CANC* L-181B REPL 0.36MI MP 2.17-10.32	Close-Out	5/24/2011	6/1/2011	9/6/2012	9/6/2012	N	N	N					2007, 2008	N	2011P	Y	Local Trans-south-Central Coast-Monterey County
34	Capital	PSEP	Y	23780	P.04844	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	DFM-0604-16 Repl 0.50MI MP 0.00-0.50 WBS	Close-Out	9/24/2012	7/15/2014	9/11/2014	11/25/2013	N	N	N			1,829,198	1,829,198		N	2011P	Y	Local Trans-north-Sacramento-Merced County
35	Capital	PSEP	Y	23786	P.04301	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	DFM-0405-01 REPL 0.29MI MP 3.03-3.30 WBS	Close-Out	9/12/2012	4/28/2014	8/13/2014	8/11/2014	N	N	N	4,838	9,214	6,072,562	6,072,562		N/A	2011P	Y	Local Trans-north-North Bay-vallejo/napa-Solano Co
36	Capital	PSEP	Y	23795	30842224	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	*CANC*L-109_5 REPL 0.04MI MP 45.83-45.84	Close-Out	5/24/2011	11/1/2011	1/24/2013	1/24/2013	N	N	N						Y	2011P	Y	Local Trans-south-Peninsula-San Mateo County
37	Capital	PSEP	Y	23796	P.04871	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-021C REPL 0.76MI MP 31.85-35.04 WBS	Close-Out	9/5/2012	6/23/2014	4/3/2015	2/26/2015	N	N	N	-28,930	43,904	15,405,921	15,405,921		N/A	2011P	Y	Local Trans-north-North Coast-santa Rosa-Sonoma Co
38	Capital	PSEP	Y	23822	P.04386	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-123 REPL 8.59MI MP 0.00-13.74 WBS	Close-Out	9/3/2012	4/25/2014	7/28/2015	12/9/2014	N	N	N	88,805	-1,049,284	56,068,015	56,229,629		Y	2011P	Y	Local Trans-north-Sierra-Sacramento County
39	Capital	PSEP	Y	23825	P.04066	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-138 Repl 6.71MI MP 38.42-45.09 WBS	Close-Out	6/1/2011	7/23/2012	3/24/2014	6/6/2013	N	N	N		4,198	33,249,890	33,249,890		Y	2011P	Y	Local Trans-south-Fresno-Fresno County
40	Capital	PSEP	Y	23832	P.04065	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-111A REPL 8.83MI MP 18.70-27.54 WBS	Close-Out	5/5/2011	8/13/2012	3/1/2014	3/1/2013	N	N	N		4,715	35,404,326	35,404,326		N	2011P	Y	Local Trans-south-Fresno-Fresno County
41	Capital	PSEP	Y	23845	P.04067	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-167 REPL/L-050A Transfer Yuba City WBS	Close-Out	8/6/2012	4/8/2013	11/15/2013	7/29/2013	N	N	N			24,840,101	24,840,101		N/A	2011P	Y	Local Trans-north-Sierra-Sutter County
42	Capital	PSEP	Y	23867	P.04068	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-220 REPL 5.49MI MP 19.40-31.65 WBS	Close-Out	1/10/2012	7/22/2013	5/14/2014	1/14/2014	N	N	N	-70,023	31,321	39,826,926	39,826,926		N	2011P	Y	Local Trans-north-Sacramento-Sacramento County
43	Capital	PSEP	Y	23972	30842317	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - SHERIDAN RD PH. 1	Close-Out	5/24/2011	9/14/2015	10/15/2015	10/9/2015	N	N	N	7,524	20,297	497,309	497,309		N	2011P	Y	Milpitas/hollister-Santa Clara County
44	Capital	PSEP	Y	23975	30842294	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - INSTALL FLOW METERS PH. 1	Close-Out	5/24/2011	9/1/2011	9/30/2014	9/30/2014	N	N	N	651	1,278	17,325	17,325		Y	2011P	Y	Systemwide-Systemwide-Contra Costa County
45	Capital	PSEP	Y	24009	30847124	2H	GT PL Safety Enhance	2H4	PSEP ILI Pipeline Re	5509962-ILI UPGRADES	L-131 MP 50.5-57.4 UPGRADE PH-1	Close-Out	5/24/2011	2/14/2013	10/27/2016	1/17/2014	N	N	Y	764	3,015	10,332,791	10,332,791		N/A	2011P	Y	Local Trans-north-Mission-Kings County
46	Capital	PSEP	Y	24012	30846923	2H	GT PL Safety Enhance	2H4	PSEP ILI Pipeline Re	5509962-ILI UPGRADES	GT L-300B MP 351.8-390.9 UPGRADE PH-1	Close-Out	5/5/2011	4/17/2012	1/21/2016	9/20/2012	N	N	N		-173	7,867,651	7,867,651		N/A	2011P	Y	Kettleman-Kern-Kings County
47	Capital	PSEP	Y	24017	30846924	2H	GT PL Safety Enhance	2H4	PSEP ILI Pipeline Re	5509962-ILI UPGRADES	GT L-300B MP 299-351.8 UPGRADE PH-1	Close-Out	5/24/2011	2/11/2013	12/12/2014	10/29/2013	N	N	N	-3,467	26,695	13,583,018	13,604,508		N/A	2011P	Y	Local Trans-south-Fresno-Kings County
48	Capital	PSEP	Y	24021	30846925	2H	GT PL Safety Enhance	2H4	PSEP ILI Pipeline Re	5509962-ILI UPGRADES	L-300A MP 352.3-391.2 UPGRADE PH-1	Close-Out	5/5/2011	5/7/2012	12/12/2014	9/21/2012	N	N	N	187	6,722	7,292,074	7,296,124	2007, 2008	Y	2011P	Y	Kettleman-Kern-Kings County
49	Capital	PSEP	Y	24023	30846926	2H	GT PL Safety Enhance	2H4	PSEP ILI Pipeline Re	5509962-ILI UPGRADES	GT L-300A MP 299-352 UPGRADE PH-1	Close-Out	5/24/2011	3/25/2013	12/22/2014	7/29/2013	N	N	N	761	749	13 278 553	13 278 553		N/A	2011P	Y	Local Trans-south-Fresno-Kings County
50	Capital	PSEP	Y	24025	30846928	2H	GT PL Safety Enhance	2H4	PSEP ILI Pipeline Re	5509962-ILI UPGRADES	L-132 MP 31.96-38.39 UPGRADE PH1	Close-Out	5/24/2011	9/30/2013	2/14/2014	12/19/2013	N	N	N			5,489,191	5,489,191		N/A	2011P	Y	Local Trans-south-Peninsula-Santa Clara County
51	Capital	PSEP	Y	24030	30843926	2H	GT PL Safety Enhance	2H2	PSEP Emergency Pipe	5743043-30900012-ATOMIC ABSORPTION UNITS-CAP-HYD	*CANC*UNPLANNED CUTOUTS	Close-Out	5/24/2011	4/1/2015	4/1/2015	12/31/2014	N	N	N		-1,401				N	2011P	Y	Systemwide-Systemwide-Contra Costa County
52	Capital	PSEP	Y	24052	P.04070	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-021D REPL 3.25MI MP 18.64-24.49 WBS	Close-Out	1/10/2012	7/14/2014	11/30/2015	10/29/2015	N	N	N	78,264	440,470	25,974,633	29,333,795		N/A	2011P	Y	Local Trans-north-North Coast-santa Rosa-Contra Co
53	Capital	PSEP	Y	24059	P.04072	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-057A REPL 1.58MI MP 8.72-10.88 WBS	Close-Out	1/10/2012	8/11/2014	1/16/2015	11/7/2014	N	N	N	2 582	10 671	14 287 814	14 287 814		N/A	2011P	Y	Local Trans-north-Diablo-Contra Costa County
54	Capital	PSEP	Y	24077	P.04291	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-108 Repl 7.55MI MP 37.14-43.50 WBS	Close-Out	6/15/2012	10/2/2013	12/22/2013	12/22/2013	N	N	N	3,258	6,398	9,320,648	9,320,648		N	2011P	Y	Local Trans-north-Stockton-Contra Costa County
55	Capital	PSEP	Y	24079	P.04071	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-124A REPL 4.61MI MP 20.63-26.27 WBS	Close-Out	1/10/2012	6/1/2012	10/23/2014	10/23/2014	N	N	N			0	0		N/A	2011P	Y	Local Trans-north-Sierra-Contra Costa County
56	Capital	PSEP	Y	24084	30843920	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	*CANC* L-114_1 REPL 0.06MI MP 16.51-16.5	Close-Out	5/24/2011	8/1/2011	7/26/2012	7/26/2012	N	N	N						Y	2011P	Y	Local Trans-north-Diablo-Contra Costa County
57	Capital	PSEP	Y	24158	P.04106	2H	GT PL Safety Enhance	2H2	PSEP Emergency Pipe	5743043-30900012-ATOMIC ABSORPTION UNITS-CAP-HYD	Hydrotest-Capital Valves And Testhead	Close-Out	3/1/2011	4/1/2011	4/4/2012	4/4/2012	N	N	N	-107 146	-101 705	55 857 667	55 857 667		N/A	2011P	Y	Systemwide-Systemwide-Humboldt County
58	Capital	PSEP	Y	24281	P.04927	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	Valve Auto - Antioch Terminal WBS	Close-Out	6/15/2012	7/22/2013	12/31/2013	12/12/2013	N	N	N			5,112,377	5,112,377		N/A	2011P	Y	Los Medanos-Contra Costa County
59	Capital	PSEP	Y	24283	30847361	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	*CANC* VALVE AUTO - ANTIOCH TOWN MTR STA	Close-Out	5/24/2011	5/24/2011	3/31/2013	3/31/2013	N	N	N						Y	2011P	Y	Local Trans-north-Diablo-Contra Costa County
60	Capital	PSEP	Y	24284	30847366	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - SP3-LINE 191 MTR STA, PH. 1	Close-Out	5/24/2011	1/16/2013	3/19/2013	4/3/2013	N	N	N			303,107	303,107		N/A	2011P	Y	Los Medanos-Contra Costa County
61	Capital	PSEP	Y	24287	30847364	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - FRANKLIN CANYON, PH. 1	Close-Out	5/24/2011	11/1/2012	12/12/2012	12/17/2012	N	N	N			463,654	463,654		N/A	2011P	Y	Local Trans-north-East Bay-south-Alameda County
62	Capital	PSEP	Y	24288	30847365	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - SAN PABLO, PH. 1	Close-Out	5/24/2011	3/11/2013	4/19/2013	4/22/2013	N	N	N			544,416	544,416		N/A	2011P	Y	Local Trans-north-East Bay-south-Alameda County
63	Capital	PSEP	Y	24899	30865389	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	*CANC*L-105N-5 REPL 0.10MI MP 36.39-36.4	Close-Out	8/1/2011	8/1/2011	12/28/2014	12/28/2014	N	N	N						N/A	2011P	Y	Local Trans-north-East Bay-south-Contra Costa Coun
64	Capital	PSEP	Y	24900	30865390	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	R-016 L-108_3 2.55MI MP 63.49-65.96 REPL	Close-Out	1/5/2012	9/12/2014	3/28/2015	3/13/2015	N	N	N	34,467	862,232	21,713,732	21,748,827		N	2011P	Y	Local Trans-north-Sacramento-Sacramento County
65	Capital	PSEP	Y	24903	30939632	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-131Y REPL 0.01MI MP 0.53-0.54 PH1	Close-Out	5/25/2012	4/23/2013	6/27/2013	5/14/2013	N	N	N			567,915	567,915		N	2011P	Y	Local Trans-north-Sacramento-Solano County
66	Capital	PSEP	Y	24905	30865395	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-153-6 REPL 0.04MI MP 0.00-0.03 PH1	Close-Out	7/6/2011	8/1/2011	12/27/2012	12/27/2012	N	N	N			269,675	269,675		N/A	2011P	Y	Local Trans-north-East Bay-south-Alameda County
67	Capital	PSEP	Y	25002	30866501	2H	GT PL Safety Enhance	2H2	PSEP Emergency Pipe	5743043-30900012-ATOMIC ABSORPTION UNITS-CAP-HYD	*CANC*POST STRENGTHTEST EMERGENCY REPLAC	Close-Out	1/5/2012	1/5/2012	12/31/2014	12/31/2014	N	N	N						N	2011P	Y	Systemwide-Systemwide-Contra Costa County
68	Capital	PSEP	Y	25381	P.03891	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	Valve Auto - 2012 Phase 1 PSEP	Close-Out	5/24/2011	4/17/2013	1/24/2014	1/26/2014	N	N	N	2,918	3,325	35,711,404	35,711,404		N/A	2011P	Y	Local Trans-south-Peninsula-San Mateo County
69	Capital	PSEP	Y	29275	P.06670	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	DFM-1603-01 REPL 1.42MI MP 0.07-1.30 PH1	Close-Out	12/24/2012	9/17/2013	3/29/2014	3/17/2014	N	N	N	9,120	9,120	6,891,346	6,891,346		N		Y	Tracy-Stockton-San Joaquin County
70	Capital	PSEP	Y	30338	P.06673	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	DFM-1816-15 REPL 0.03MI MP 3.04-3.07 PH1	Close-Out	11/5/2013	7/13/2015	8/14/2015	8/4/2015	N	N	N	2,834	30,075	1,000,931	1,000,931		N		Y	Local Trans-south-Central Coast-Santa Cruz County
71	Capital	PSEP	Y	32138	P.06650	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-114 REPL 0.12MI MP 16.75-16.86 WBS	Close-Out	8/29/2013	6/26/2014	11/6/2014	9/30/2014	N	N	N	14,448	78,727	1,712,394	1,740,394		N		Y	Local Trans-north-Diablo-Contra Costa County
72	Capital	PSEP	Y	32143	P.06653	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-131_1 REPL 1.49MI MP 32.38-33.77 WBS	Close-Out	5/24/2011	1/15/2013	12/20/2013	8/26/2013	N	N	N			19,660,593	19,660,593		N/A	2011P	Y	Local Trans-north-Mission-San Joaquin County
73	Capital	PSEP	Y	32144	P.06654	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-142S REPL 1.05MI MP 5.32-6.35 WBS	Close-Out	5/24/2011	7/3/2012	10/9/2012	10/2/2012	N	N	N			5,407,056	5,407,056		N/A	2011P	Y	Local Trans-south-Kern-Kern County
74	Capital	PSEP	Y	32146	P.06656	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-167-1 REPL 2.12MI MP 4.46-6.55 WBS	Close-Out	5/24/2011	5/23/2012	7/8/2014	9/25/2012	N	N	N			5 832 168	5 832 168		N	2011P	Y	Local Trans-north-North Valley-Butte County
75	Capital	PSEP	Y	32149	P.06660	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	L-181A REPL 1.53MI MP 15.31-16.81 WBS	Close-Out	5/24/2011	3/21/2012	7/11/2012	7/3/2012	N	N	N			6,505,983	6,505,983		N/A	2011P	Y	Local Trans-south-Central Coast-Monterey County
76	Capital	PSEP	Y	32153	P.06664	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	DFM-0603-01 REPL 0.68MI MP 0.00-0.57 WBS	Close-Out	5/24/2011	7/22/2014	9/4/2014	10/7/2013	N	N	N	3,190	13,948	3,920,784	3,920,784		N/A	2011P	Y	Local Trans-north-Sacramento-Solano County
77	Capital	PSEP	Y	33169	31070156	2H	GT PL Safety Enhance	2H1	PSEP Pipe Replacemen	5509959-PIPELINE REPLACEMENT	DFM-1815-02 REPL 1.89MI MP7.92-16.85 PH1	Close-Out	4/30/2013	9/8/2014	8/26/2015	4/10/2015	N	N	N	15,171	86,454	25,112,541	25,112,541		N		Y	Local Trans-south-Central Coast-Monterey County
78	Capital	PSEP	Y	34207	31083367	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	VALVE AUTO - CREED STATION FLOW METERS	Close-Out	6/13/2014	7/1/2015	11/13/2015	11/5/2015	N	N	N	-1 409	26 883	1 409 011	1 409 011		N/A		Y	Local Trans-north-Sacramento-Solano County
79	Capital	PSEP	Y	34208	31083368	2H	GT PL Safety Enhance	2H3	PSEP Valve Automatio	5509961-VALVE AUTOMATION	V-187 L-300 PANOCHE STATION FLOW METERS	Close-Out	7/8/2014	1/16/2015	3/31/2015	4/2/2015	N	N	N	1,994	14,627	1,495,360	1,495,360		N/A		Y	Local Trans-south-Kern-bakersfield-Fresno County
80	Capital	Base	Y	25124	30869841	2J	GT&D Impl Regulatory	2J1	CPUC	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	CLASS LOC PIPE REPLACEMENT - GENERAL	Close-Out	8/1/2011	8/1/2011	12/28/2016	12/28/2016	N	N	Y	17,821	34,996	474,270	474,270		N/A		Y	Systemwide-Systemwide-Contra Costa County
81	Capital	Base	Y	25759	30892505	2J	GT&D Impl Regulatory	2J3	SBI	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-132 SSF INSERTION REPL MP 42.06-42.19	Close-Out	12/1/2011	12/1/2011	1/9/2012	1/9/2012	N	N	N	29	5,641	1,791,192	1,791,192		Y		Y	Systemwide-Systemwide-San Mateo County
82	Capital	Base	Y	22439	P.02192	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-402 CASING ETS/VENT INSTALLATION	Close-Out	10/1/2010	10/1/2010	1/28/2017	/ /	N	Y	N	6 611	8 283	517 775	517 775		N/A		N	Local Trans-north-North Valley-Shasta County
83	Capital	Base	Y	26482	30916746	3K	Gas Trans Remediate	3K4	AC Interf Induced Mi	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	C-239 L-109 AC MITIGATION	Close-Out	3/26/2012	3/27/2015	5/12/2015	5/21/2015	N	N	N	2,194	14,704	1,190,607	1,190,607		N/A		N	Local Trans-south-Peninsula-San Mateo County
84	Capital	Base	Y	26832	30916749	3K	Gas Trans Remediate	3K4	AC Interf Induced Mi	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	C-240 L-132 AC MITIGATION	Construction	3/26/2012	11/7/2016	1/13/2017	1/31/2017	N	Y	N	89,596	121,599	438,008	1,023,781		N/A		N	Local Trans-south-Peninsula-San Mateo County
85	Capital	Base	Y	27057	30937475	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-177A CTS INSTALLATIONS	Close-Out	5/21/2012	10/28/2016	11/1/2016	1/4/2017	N	N	Y	532,242	1,017,994	1,719,420	1,719,420		Y		N	Local Trans-north-North Valley-Tehama County
86	Capital	Base	Y	27064	30937479	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	220 CTS INSTALLATION	Construction	5/21/2012	11/18/2013	8/31/2016	8/31/2016	N	N	Y	5 127	15 745	308 537	308 537		Y		N	Local Trans-north-Sacramento-Solano County
87	Capital	Base	Y	27065	30937323	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	172A CTS INSTALLATION	Construction	5/21/2012	12/14/2013	9/8/2015	9/8/2015	N	N	N	410	4,975	1,078,871	1,078,871		N/A		N	Local Trans-north-Sacramento-Sacramento County
88	Capital	Base	Y	27127	30933203	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	C-265 L-306 MP 5.15-67.7 INSTALL CTS	Close-Out	5/21/2012	9/1/2016	9/2/2016	10/3/2016	N	N	Y	144,923	151,840	712,667	712,667		N		N	Kettleman-Fresno County
89	Capital	Base	Y	27319	30924135	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	TOPOCK L-300B MP 1 RECTIFIER/ANODE	Close-Out	5/4/2012	2/11/2014	6/6/2014	9/22/2014	N	N	N	16,669	27,184	296,285	296,285		N		N	Topock-San Bernardino County
90	Capital	Base	Y	29385	31118733	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L021C-1 MP 35.52 CASING REMEDIATION	Close-Out	6/18/2013	7/13/2015	8/22/2015	10/8/2015	N	N	N	1,758	-10,301	799,757	799,757		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
91	Capital	Base	Y	30761	31091652	3K	Gas Trans Remediate	3K7	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCDONALD ISLAND ANODE BED REPLACEMENTS	Close-Out	8/4/2014	12/8/2014	2/13/2015	3/11/2015	N	N	N	4,768	7,358	258,977	258,977		N/A		N	Mcdonald Island-Stockton-San Joaquin County
92	Capital	Base	Y	31785	31049257	3K	Gas Trans Remediate	3K4	AC Interf Induced Mi	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	C-283 L-191 AC MITIGATION	Close-Out	3/1/2014	9/21/2015	3/25/2016	3/30/2016	N	N	N	29,746	872,250	3,672,875	3,672,875		N/A		N	Los Medanos-Contra Costa County
93	Capital	Base	Y	31879	31065159	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	CASING REMEDIATION L-401 MP 323.19	Close-Out	2/7/2014	10/14/2014	11/8/2014	7/19/2016	N	N	N	1,234	16,323	350,234	350,234		N/A		N	Tracy-San Joaquin County
94	Capital	Base	Y	33250	31065134	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	CASING REMEDIATION 301B MP 2.01	Close-Out	2/7/2014	10/20/2014	11/10/2014	7/19/2016	N	N	N	974	12,285	301,569	301,569		N		N	Local Trans-south-Central Coast-Monterey County
95	Capital	Base	Y	33264	31067198	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	CASING REMEDIATION 0608-01 MP 2.37	Close-Out	3/3/2014	8/9/2014	10/30/2014	7/19/2016	N	N	N	1,494	18,836	462,364	462,364		Y		N	Local Trans-north-Sacramento-Sacramento County
96	Capital	Base	Y	33339	31065904	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L 132 CP INSTALL SAN BRUNO MTN	Close-Out	6/6/2014	9/22/2014	7/23/2015	10/1/2015	N	N	N	11,838	12,972	343,030	343,030		N/A		N	Local Trans-south-Peninsula-Santa Clara County
97	Capital	Base	Y	33752	31074567	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	GT-092 L177A_MP 94.56_CASING REMEDIATION	Close-Out	5/1/2014	7/21/2014	10/9/2014	10/14/2014	N	N	N	3,504	3,790	1,068,317	1,068,317		N/A		N	Local Trans-north-North Valley-Trinity County
98	Capital	Base	Y	34136	31081645	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	CASING REMOVAL 0821-02 MP 8.15	Close-Out	5/1/2014	10/19/2014	2/11/2015	4/11/2016	N	N	N	119	3,287	796,650	796,650		N/A		N	Local Trans-south-De Anza-Santa Clara County
99	Capital	Base	Y	34167	31082398	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	GT CASING REMEDIATION 021E MP 63.74	Close-Out	6/2/2014	11/5/2014	1/26/2015	10/17/2016	N	N	N	5 843	15 265	716 451	716 451		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
100	Capital	Base	Y	34168	31082399	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	CASING REMEDIATION 0608-01 MP 2.46	Close-Out	6/1/2014	1/20/2015	4/9/2015	4/12/2016	N	N	N	69	608	1,029,640	1,029,640		Y		N	Local Trans-north-Sacramento-Sacramento County
101	Capital	Base	Y	34172	31082422	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	GT CASING REMEDIATION 021E MP 67.74	Close-Out	6/2/2014	10/16/2014	1/26/2015	11/1/2014	N	N	N	988	5,184	493,869	493,869		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
102	Capital	Base	Y	34343	31086219	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	GT CASING REMOVAL 0812-01 MP 0.67	Close-Out	5/1/2014	11/2/2014	12/15/2014	4/12/2016	N	N	N	3,827	36,999	740,866	740,866		N		N	Local Trans-south-San Jose-Santa Clara County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
103	Capital	Base	Y	34481	31189088	3K	Gas Trans Remediate	3KA	MitigateCorrosion-Ot	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	INSTALL MOISTURE ANALYZER - TOPOCK	Construction	10/1/2015	11/29/2016	4/28/2017	3/30/2017	N	Y	N	561,183	641,006	674,657	746,803		N/A		N	Topock-Kern-San Bernardino County
104	Capital	Base	Y	34620	31130746	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	TEG INSTALL L-300A MP 25.88	Close-Out	9/1/2014	7/27/2015	10/16/2015	12/31/2015	N	N	N	44,041	35,577	364,395	364,395		N		N	Topock-Kern-San Bernardino County
105	Capital	Base	Y	35259	31105000	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-300A MP 462.4 ANODE INSTALLATION	Close-Out	9/30/2014	9/30/2015	11/17/2015	3/15/2016	N	N	N	7 904	55 313	498 365	498 365		N/A		N	Milpitas/hollister-Central Coast-Santa Clara Count
106	Capital	Base	Y	35853	31188483	3K	Gas Trans Remediate	3KA	MitigateCorrosion-Ot	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L401 MP 396.84 TO 396.88 REPAINT SPAN	Close-Out	9/15/2014	10/7/2015	4/21/2016	/ /	N	N	N	568,658	584,722	605,283	615,283		N/A		N	Tracy-Merced County
107	Capital	Base	Y	35994	31104821	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-172A_MP 70.83 CASING REMEDIATION	Close-Out	9/3/2014	7/21/2015	8/22/2015	9/24/2015	N	N	N	-3,281	22,823	415,070	415,070		N/A		N	Local Trans-north-Sacramento-Sacramento County
108	Capital	Base	Y	35995	31104822	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM-0214-01_MP 0.68 CASING REMEDIATION	Engineering/Perm tting	10/3/2014	2/13/2017	3/15/2017	3/4/2017	N	Y	N	47,771	70,215	253,896	773,223		N		N	Local Trans-south-Peninsula-San Mateo County
109	Capital	Base	Y	35998	31104824	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM 0404-02 MP 0.04 CASING REMEDIATION	Close-Out	10/3/2014	11/15/2015	12/19/2015	7/19/2016	N	N	N	4 465	-27 803	669 984	669 984		N		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
110	Capital	Base	Y	35999	31104825	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM 7224-15_MP 0.01 CASING REMEDIATION	Close-Out	10/21/2014	9/9/2015	10/23/2015	4/12/2016	N	N	N	24,179	56,142	530,358	530,358		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
111	Capital	Base	Y	36007	31104827	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM 0618-03_MP 1.55 CASING REMEDIATION	Estimation	10/3/2014	4/17/2017	5/26/2017	5/1/2017	N	Y	N	23,682	93,667	136,083	573,307		N		N	Local Trans-north-Sacramento-Sacramento County
112	Capital	Base	Y	36013	31105384	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM-0402-01_MP 4.87 CASING REMEDIATION	Engineering/Perm tting	9/3/2014	6/5/2017	7/15/2017	6/19/2017	N	Y	N	46,741	69,887	110,783	1,347,489		Y		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
113	Capital	Base	Y	36016	31118736	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM 0402-01 MP 4.57 CASING REMEDIATION	Close-Out	9/3/2014	10/28/2015	4/5/2016	8/26/2016	N	N	N	-86 819	553 340	709 200	711 000		Y		N	Local Trans-north-North Coast-ukiah-Napa County
114	Capital	Base	Y	36023	31105695	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	1202-01 MP 0.12 CASING REMEDIATION	Engineering/Permitting	9/3/2014	4/15/2017	5/31/2017	4/29/2017	N	Y	N	1,166	2,209	4,248	522,296		Y		N	Local Trans-south-Fresno-Fresno County
115	Capital	Base	Y	36031	31104748	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE GCUST5760 MP 1.16 CASING REMEDIATIO	Close-Out	9/3/2014	6/14/2016	7/21/2016	9/14/2016	N	N	Y	248,173	613,056	668,579	670,079		N/A		N	Local Trans-north-Stockton-San Mateo County
116	Capital	Base	Y	36108	31106004	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM-3008-01_MP 1.24 CASING REMEDIATION	Close-Out	10/3/2014	6/5/2015	9/24/2015	9/24/2015	N	N	N	5,365	-9,370	805,265	805,265		N		N	Local Trans-north-Diablo-Contra Costa County
117	Capital	Base	Y	36118	31106008	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM-1812-13_MP 0.02 CASING REMEDIATION	Close-Out	9/3/2014	9/14/2015	10/16/2015	7/19/2016	N	N	N	2,389	30,637	640,176	640,176		N		N	Local Trans-south-Central Coast-Monterey County
118	Capital	Base	Y	36122	31106010	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	8807-01_MP0.0000-8.4100	Engineering/Perm tting	9/3/2014	4/19/2017	5/31/2017	5/3/2017	N	Y	N	9,213	29,083	86,284	530,054		N		N	Local Trans-south-De Anza-Santa Clara County
119	Capital	Base	Y	36129	31106015	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM-0215-01_MP 0.46 CASING REMEDIATION	Close-Out	10/3/2014	4/21/2015	5/13/2015	4/12/2016	N	N	N	72	9,689	427,826	427,826		Y		N	Local Trans-south-Peninsula-San Mateo County
120	Capital	Base	Y	36323	31111047	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 0613-01 MP 2.58 CASING REMEDIATION	Close-Out	12/1/2014	12/1/2014	1/28/2016	1/28/2016	N	N	N	12,175	129,612	270,747	270,747		N/A		N	Local Trans-north-Sacramento-Sacramento County
121	Capital	Base	Y	36330	31111234	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM 0616-02 MP 0.31 CASING REMEDIATION	Construction	9/3/2014	3/4/2015	9/24/2015	9/24/2015	N	N	N	11,592	20,306	533,753	533,753		N/A		N	Local Trans-north-Sacramento-Sacramento County
122	Capital	Base	Y	36332	31111238	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 0604-03 MP 0.36 CASING REMOVAL	Close-Out	9/3/2014	5/11/2015	8/19/2015	8/10/2015	N	N	N	243	132,127	687,486	687,486		Y		N	Local Trans-north-Sacramento-Solano County
123	Capital	Base	Y	36339	31111363	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 124A MP 21.71 CASING REMOVAL	Estimation	9/3/2014	5/1/2017	6/6/2017	5/9/2017	N	Y	N	10,212	15,103	52,349	262,029		N/A		N	Local Trans-north-Sierra-Yuba County
124	Capital	Base	Y	36343	31111365	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 2405-01 MP 0.34 CASING REMEDIATION	Close-Out	10/3/2014	7/6/2015	7/31/2015	4/12/2016	N	N	N	593	-15,794	337,898	337,898		N/A		N	Local Trans-north-Mission-Santa Clara County
125	Capital	Base	Y	36381	31107412	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 191-1 MP 34.27 CASING REMOVAL	Close-Out	1/23/2014	11/12/2014	12/25/2014	9/24/2015	N	N	N	138	317	551,330	551,330		N		N	Local Trans-north-Diablo-Contra Costa County
126	Capital	Base	Y	36397	31109121	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 3006-01 MP 5.7 CASING REMOVAL	Close-Out	10/15/2014	1/5/2015	2/9/2015	6/29/2015	N	N	N	896	7 591	475 285	475 285		N/A		N	Local Trans-north-Diablo-Contra Costa County
127	Capital	Base	Y	36398	31109120	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 153 MP 26.13 CASING REMOVAL	Close-Out	10/15/2014	12/22/2014	2/10/2015	4/12/2016	N	N	N	6,294	10,282	513,134	513,134		Y		N	Local Trans-north-East Bay-north-Alameda County
128	Capital	Base	Y	36407	31111582	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 153MP 2.26 CASING REMOVAL	Close-Out	10/3/2014	11/1/2014	4/12/2016	4/12/2016	N	N	N	5,000	599,855	702,368	702,368		N/A		N	Local Trans-north-Mission-Alameda County
129	Capital	Base	Y	36409	31111585	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 7223-01 MP 6.01 CASING REMEDIATION	Close-Out	10/7/2014	2/22/2016	5/5/2016	8/26/2016	N	N	N	285,799	878,199	969,378	969,378		N/A		N	Local Trans-south-Yosemite-Stanislaus County
130	Capital	Base	Y	36413	31111589	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE X6460 MP 18.07 CASING REMOVAL	Close-Out	9/3/2014	4/22/2015	10/28/2015	9/30/2015	N	N	N	-543	-357 119	3 983 147	3 983 147		N/A		N	Local Trans-north-Mission-Alameda County
131	Capital	Base	Y	36414	31111591	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 153 MP 13.64 CASING REMOVAL	Close-Out	10/1/2014	10/1/2014	2/2/2016	2/2/2016	N	N	N	24,530	48,577	659,626	659,626		N/A		N	Local Trans-north-Mission-Alameda County
132	Capital	Base	Y	36415	31111592	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 105N MP 9.04 CASING REMEDIATION	Close-Out	9/3/2014	6/1/2015	8/20/2015	11/13/2015	N	N	N	6,564	-508,131	780,956	780,956		N/A		N	Local Trans-north-Mission-Alameda County
133	Capital	Base	Y	36416	31111593	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 105N MP 18.64 CASING REMEDIATION	Engineering/Permitting	10/3/2014	5/8/2017	6/24/2017	5/27/2017	N	Y	N	11,611	289,441	676,372	2,825,346		N/A		N	Local Trans-north-Mission-Alameda County
134	Capital	Base	Y	36421	31111596	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 0401-01 MP 4.74 CASING REMEDIATION	Engineering/Permitting	9/3/2014	6/5/2017	7/15/2017	6/19/2017	N	Y	N	61 775	89 324	160 299	1 728 322		N/A		N	Local Trans-north-North Bay-vallejo/napa-Marin Cou
135	Capital	Base	Y	36424	31112463	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 134A MP 26.81 CASING REMEDIATION	Close-Out	10/3/2014	11/23/2015	2/16/2016	4/12/2016	N	N	N	2,449	464,925	736,235	736,235		N/A		N	Local Trans-south-Yosemite-Fresno County
136	Capital	Base	Y	36431	31112468	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 153 MP 17.55 CASING REMOVAL	Engineering/Perm tting	10/3/2014	3/29/2017	5/9/2017	4/12/2017	N	Y	N	17,579	27,447	70,408	385,754		Y		N	Local Trans-north-Mission-Alameda County
137	Capital	Base	Y	36445	31111061	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 0109-01 MP 1.39 CASING REMOVAL	Close-Out	9/3/2014	8/20/2015	10/30/2015	7/19/2016	N	N	N	2,918	-203,968	1,353,355	1,353,355		N/A		N	Local Trans-north-East Bay-north-Alameda County
138	Capital	Base	Y	36447	31111062	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 6625-01 MP 58 CASING REMEDIATION	Close-Out	9/3/2014	11/4/2015	12/24/2015	7/19/2016	N	N	N	-4 221	121 511	894 792	894 792		N		N	Local Trans-south-Kern-San Bernardino County
139	Capital	Base	Y	36471	31112536	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 301G MP 12.02 CASING REMEDIATION	Engineering/Perm tting	10/21/2014	5/1/2017	6/10/2017	5/15/2017	N	Y	N	7,271	18,158	48,079	362,140		N/A		N	Local Trans-south-Central Coast-San Benito County
140	Capital	Base	Y	36472	31112538	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 1881-01 MP 0.03 CASING REMEDIATION	Engineering/Perm tting	9/3/2014	3/1/2017	4/10/2017	3/15/2017	N	Y	N	20,021	180,382	291,153	632,071		N/A		N	Local Trans-south-Central Coast-Monterey County
141	Capital	Base	Y	36478	31112583	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 109 MP 52.64 CASING REMOVAL	Engineering/Perm tting	9/3/2014	2/28/2017	4/10/2017	3/14/2017	N	Y	N	4,629	6,272	13,032	495,115		Y		N	Local Trans-south-De Anza-San Francisco County
142	Capital	Base	Y	36571	31112585	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 101 MP 3.12 CASING REMEDIATION	Close-Out	9/3/2014	8/22/2016	12/1/2016	11/2/2016	N	N	Y	1,244,723	1,355,788	1,565,160	1,588,460		N/A		N	Local Trans-south-De Anza-Santa Clara County
143	Capital	Base	Y	36576	31112590	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 105A MP 45.68 CASING REMEDIATION	Close-Out	1/1/2015	1/1/2015	8/17/2015	8/17/2015	N	N	N	11,134	22,182	301,102	312,397		N/A		N	Local Trans-north-East Bay-north-Contra Costa Coun
144	Capital	Base	Y	36584	31112593	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 103 MP 26.79 CASING REMOVAL	Close-Out	9/3/2014	11/30/2015	1/22/2016	4/12/2016	N	N	N	22,863	350,446	645,938	645,938		Y		N	Local Trans-south-Central Coast-Santa Clara County
145	Capital	Base	Y	36586	31112594	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 1205-02 MP 0.29 CASING REMEDIATION	Close-Out	10/3/2014	6/29/2015	7/24/2015	9/24/2015	N	N	N	82	-696	338,666	338,666		N/A		N	Local Trans-south-Fresno-Fresno County
146	Capital	Base	Y	36591	31113506	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 105A MP 39.94 CASING REMEDIATION	Close-Out	9/3/2014	3/14/2016	7/22/2016	9/14/2016	N	N	Y	242,311	2,243,373	2,537,009	2,537,009		N/A		N	Local Trans-north-East Bay-north-Alameda County
147	Capital	Base	Y	36592	31113511	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 108 MP 19.10 CASING REMEDIATION	Close-Out	10/3/2014	2/23/2015	4/8/2015	4/12/2016	N	N	N	103	1,671	635,091	635,091		N/A		N	Local Trans-north-Stockton-San Joaquin County
148	Capital	Base	Y	36595	31113508	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 1202-16 MP 2.59 CASING REMEDIATION	Close-Out	10/3/2014	12/6/2015	2/4/2016	4/12/2016	N	N	N	31,880	769,038	962,437	962,437		N/A		N	Local Trans-south-Fresno-Fresno County
149	Capital	Base	Y	36604	31113514	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 177A MP 166.56 CASING REMOVAL	Engineering/Permitting	9/3/2014	6/19/2017	9/22/2017	7/3/2017	N	Y	N	15,153	25,492	59,245	515,121		N		N	Local Trans-north-North Coast-eureka-Trinity Count
150	Capital	Base	Y	36611	31113518	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 1805-01 MP 0.31 CASING REMEDIATION	Close-Out	9/3/2014	8/24/2015	10/6/2015	9/24/2015	N	N	N	573	-52,533	622,676	622,676		N/A		N	Local Trans-south-Central Coast-Monterey County
151	Capital	Base	Y	36613	31113723	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	R-572 DFM-1303-02 MP 0-.02 REPLACE (RT)	Engineering/Permitting	3/16/2015	4/25/2017	6/12/2017	5/25/2017	N	Y	N	130 227	203 993	276 669	1 640 649		N		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
152	Capital	Base	Y	36614	31113721	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 1202-06 MP 3.15 CASING REMEDIATION	Close-Out	9/3/2014	3/19/2015	5/11/2015	4/12/2016	N	N	N	207	13,252	578,683	578,683		N		N	Local Trans-south-Fresno-Fresno County
153	Capital	Base	Y	36617	31113725	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 0821-02 MP 3.85 CASING REMEDIATION	Close-Out	9/3/2014	11/2/2015	11/21/2015	7/19/2016	N	N	N	3,445	72,700	332,883	332,883		N		N	Local Trans-south-San Jose-Santa Clara County
154	Capital	Base	Y	37000	31120214	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 138C MP 49.6 CASING REMEDIATION	Close-Out	10/3/2014	6/17/2015	9/22/2015	9/24/2015	N	N	N	-568	37,691	752,759	752,759		N/A		N	Local Trans-south-Fresno-Fresno County
155	Capital	Base	Y	37098	31123019	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 0617-06 MP 0.73 CASING REMEDIATION	Construction	6/2/2014	2/25/2015	7/31/2015	7/31/2015	N	N	N	1 791	7 720	637 989	637 989		N/A		N	Local Trans-north-Sacramento-Sacramento County
156	Capital	Base	Y	37188	31128225	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 1202-14 MP 0.02 CASING REMOVAL	Close-Out	9/3/2014	2/17/2015	4/14/2015	4/12/2016	N	N	N	857	14,185	440,983	440,983		N		N	Local Trans-south-Fresno-Fresno County
157	Capital	Base	Y	37264	31129508	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	C-640 L-300A MP 456-466 CTS INSTALLATION	Close-Out	2/5/2015	9/21/2015	10/9/2015	10/15/2015	N	N	N	6,429	21,050	281,640	281,640		N/A		N	Milpitas/hollister-Multiple Counties
158	Capital	Base	Y	37370	31130850	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 105A MP 42.0585 CASING REMEDIATION	Close-Out	9/3/2014	3/18/2015	3/30/2015	7/19/2016	N	N	N	900	11,342	278,415	278,415		N/A		N	Local Trans-north-East Bay-north-Contra Costa Coun
159	Capital	Base	Y	37442	31132728	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 3015-01 MP 0.94 CASING REMOVAL	Close-Out	9/3/2014	3/29/2015	7/2/2015	6/29/2015	N	N	N	2 764	-39 358	882 983	882 983		N/A		N	Local Trans-north-Diablo-Contra Costa County
160	Capital	Base	Y	37796	31139575	3K	Gas Trans Remediate	3K7	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L306 MP 57.86 INSTALL NEW DWA AND RECTIF	Close-Out	3/30/2015	7/5/2016	7/19/2016	8/3/2016	N	N	Y	177,615	232,568	274,015	274,015		N/A		N	Kettleman-Fresno-San Luis Obispo County
161	Capital	Base	Y	37835	31207973	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	0F LOAD CENTER CP STATION INSTALLATION	Close-Out	11/12/2014	12/1/2015	12/1/2015	7/6/2016	N	N	N	15,575	30,301	325,026	329,026		N/A		N	Local Trans-south-San Francisco-San Francisco Coun
162	Capital	Base	Y	38033	31138805	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE DREG4034 MP 0.0108 CASING REMOVAL	Close-Out	3/9/2015	4/24/2015	4/24/2015	6/29/2015	N	N	N	380	-6,907	738,856	738,856		N/A		N	Local Trans-north-Sacramento-Sacramento County
163	Capital	Base	Y	38359	31142884	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DREG9001 MP 0.72 CASING REMOVAL	Engineering/Permitting	2/6/2015	3/1/2017	4/11/2017	3/15/2017	N	Y	N	7,433	13,719	69,662	414,602		N/A		N	Local Trans-north-Sacramento-Sacramento County
164	Capital	Base	Y	38376	31143741	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-7224-12 MP 0.02 CASING REMEDIATION	Engineering/Permitting	2/6/2015	4/5/2017	5/20/2017	4/25/2017	N	Y	N	12,600	20,191	32,614	507,964		N/A		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
165	Capital	Base	Y	38377	31143742	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-1202-05 MP 1.81 CASING	Estimation	2/6/2015	1/30/2017	3/10/2017	2/13/2017	N	Y	N	32,155	41,512	43,946	504,052		N		N	Local Trans-south-Fresno-Fresno County
166	Capital	Base	Y	38381	31142926	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 105A MP 40.4 CASING REMOVAL	Close-Out	2/6/2015	7/6/2015	8/24/2015	7/31/2015	N	N	N	4,807	-19,864	710,879	710,879		N/A		N	Local Trans-north-East Bay-north-Alameda County
167	Capital	Base	Y	38383	31142927	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 303 MP 41.45 CASING REMEDIATION	Close-Out	11/1/2015	11/1/2015	12/22/2016	12/22/2016	N	N	Y	2,317	14,002	19,710	21,169		N/A		N	Local Trans-north-East Bay-south-Alameda County
168	Capital	Base	Y	38387	31142930	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 1815-02 MP 17.71 CASING	Engineering/Permitting	2/6/2015	5/8/2017	6/17/2017	5/22/2017	N	Y	N	8,992	23,366	37,455	466,503		Y		N	Local Trans-south-Central Coast-Monterey County
169	Capital	Base	Y	38400	31142924	3K	Gas Trans Remediate	3K7	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-300B MP 0.24 REPLACE ANODE	Close-Out	3/24/2015	5/17/2016	6/15/2016	8/29/2016	N	N	N	42,087	282,736	296,376	296,376		Y		N	Topock-San Bernardino County
170	Capital	Base	Y	38534	31145031	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-202 MP 18.19 CASING REMOVAL	Close-Out	4/1/2015	6/15/2015	7/17/2015	9/24/2015	N	N	N	9,625	34,510	708,969	708,969		N/A		N	Local Trans-north-Sierra-Nevada County
171	Capital	Base	Y	38795	31152545	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 197A MP 35.46 CASING REMOVAL	Close-Out	2/6/2015	11/5/2015	2/9/2016	7/19/2016	N	N	N	47,928	-151,202	377,843	377,843		N/A		N	Local Trans-north-Stockton-Calaveras County
172	Capital	Base	Y	39821	31171679	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE X6460 MP 17.67 CASING REMOVAL	Close-Out	7/2/2015	8/17/2015	10/22/2015	7/19/2016	N	N	N	1,171	126,205	806,591	806,591		N/A		N	Local Trans-north-Mission-Alameda County
173	Capital	Base	Y	40537	31207977	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	TIONESTA CP MITIGATION ANODE/INSULATION	Estimation	10/5/2015	8/10/2017	8/24/2017	9/11/2017	N	Y	N	12,061	17,038	25,291	390,314		N/A		N	Burney-Modoc County
174	Capital	Base	Y	40539	31207978	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	GERBER COMP NEW CP STATION ANODE/RECT	Estimation	10/5/2015	8/23/2017	9/7/2017	9/22/2017	N	Y	N	8,789	12,898	20,995	385,222		N/A		N	Willows-North Valley-Tehama County
175	Capital	Base	Y	40822	31184775	3K	Gas Trans Remediate	3K9	DC Interf-Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-153 MP 25.00-27.88 INSTALL CP	Close-Out	10/1/2015	10/1/2015	11/28/2016	11/28/2016	N	N	Y	20,728	38,860	502,593	502,593		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
176	Capital	Base	Y	40842	31191356	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-300A MP 378.65 HELM TAP NEW CP - ND	Close-Out	9/17/2015	1/18/2016	2/3/2016	2/1/2016	N	N	N	20 556	350 328	371 643	371 643		N/A		N	Kettleman-Fresno-Fresno County
177	Capital	Base	Y	41209	31200576	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L101 MP 44.13 CASING REMOVAL	Close-Out	11/18/2015	5/23/2016	7/20/2016	8/30/2016	N	N	Y	166,865	776,968	778,318	778,318		Y		N	Local Trans-south-San Francisco-San Francisco Coun
178	Capital	Base	Y	41210	31200577	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L101 MP 44.15 CASING REMOVAL	Close-Out	11/18/2015	5/23/2016	7/21/2016	8/30/2016	N	N	Y	36,994	619,428	620,174	620,174		Y		N	Local Trans-south-San Francisco-San Francisco Coun
179	Capital	Base	Y	41213	31200824	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L314 MP 43.00 CASING REMEDIATION	Close-Out	10/23/2015	4/13/2016	6/11/2016	9/8/2016	N	N	N	165,540	1,163,959	1,167,169	1,167,169		N		N	Local Trans-south-Kern-San Bernardino County
180	Capital	Base	Y	41271	31202058	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM 1805-01 MP 1.61 CASING REMOVAL	Close-Out	10/12/2015	5/13/2016	6/14/2016	8/25/2016	N	N	N	64 476	854 586	862 788	862 788		N		N	Milpitas/hollister-Central Coast-Monterey County
181	Capital	Base	Y	41272	31202059	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	6602-01 MP 0.0413 CASING REMEDIATION	Close-Out	10/23/2015	6/6/2016	12/17/2016	12/22/2016	N	N	Y	324,245	568,749	571,685	579,142		N		N	Topock-Kern-bakersfield-Kern County
182	Capital	Base	Y	41273	31202100	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM-1614-08 MP 0.58 CASING REMOVAL	Close-Out	9/22/2015	5/9/2016	9/6/2016	9/26/2016	N	N	Y	426,455	1,173,604	1,174,209	1,174,209		Y		N	Rio Vista-Stockton-San Joaquin County
183	Capital	Base	Y	41416	31205566	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	2016 CTS W/ PLCLM - YOSEMITE/MERCED	Close-Out	12/7/2015	2/24/2016	6/1/2016	9/19/2016	N	N	N	130,133	1,788,072	1,789,493	1,789,493				N	Systemwide-Systemwide-Multiple Counties
184	Capital	Base	Y	41417	31205565	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	2016 CTS W/ PLCLM - KERN	Close-Out	12/7/2015	2/23/2016	4/15/2016	7/8/2016	N	N	N	-2 907	846 766	846 920	846 920				N	Local Trans-south-Kern-Multiple Counties
185	Capital	Base	Y	41418	31205564	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	2016 CTS W/ PLCLM YOSEMITE/MODESTO	Close-Out	12/7/2015	2/24/2016	4/6/2016	7/30/2016	N	N	N	86,030	875,985	877,491	877,491				N	Local Trans-south-Yosemite-modesto-Multiple Counti
186	Capital	Base	Y	41419	31205563	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	2016 CTS W/ PLCLM SACTO/MARYSVILLE	Construction	12/7/2015	10/27/2016	2/1/2017	2/1/2017	N	Y	N	12,745	829,615	833,487	1,645,487				N	Systemwide-Systemwide-Multiple Counties
187	Capital	Base	Y	41427	31209320	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L401 MP 192 &195 CP STATION INSTALLATION	Close-Out	1/7/2016	10/11/2016	11/8/2016	11/21/2016	N	N	Y	583,616	620,222	620,222	620,222		N		N	Willows-North Valley-Glenn County
188	Capital	Base	Y	42127	31212781	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LINE 210B MP 10.556	Close-Out	9/3/2014	5/16/2016	9/30/2016	11/2/2016	N	N	Y	1,406,871	2,467,681	2,467,681	2,469,481		Y		N	Local Trans-north-Sierra-Solano County
189	Capital	Base	Y	17648	30604058	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LOS MEDANOS REWORK WELL 8C (2012)	Close-Out	1/5/2012	3/1/2012	10/17/2012	10/17/2012	N	N	N			1,022,262	1,022,262		N/A	2011	N	Los Medanos-Diablo-Contra Costa County
190	Capital	Base	Y	17649	30604060	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LOS MEDANOS REWORK WELL 4B	Close-Out	1/31/2013	2/1/2013	6/7/2013	6/7/2013	N	N	N	806	996	1,303,709	1,303,709		N/A	2011	N	Los Medanos-Diablo-Contra Costa County
191	Capital	Base	Y	17659	30604059	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISLAND REWORK WELL WS8E (2012)	Close-Out	1/5/2012	2/1/2012	1/14/2013	1/14/2013	N	N	N			704,149	704,149		N/A	2011	N	Mcdonald Island-Diablo-Contra Costa County
192	Capital	Base	Y	17660	30604061	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	GT MCD ISLAND REWORK WELL TC 1N (2013)	Close-Out	1/31/2013	2/1/2013	4/3/2014	4/3/2014	N	N	N	5,633	8,347	1,959,673	1,959,673		Y	2011	N	Mcdonald Island-Diablo-Contra Costa County
193	Capital	Base	Y	17682	30604068	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISLAND REWORK WELL WS5E (2012)	Close-Out	1/5/2012	2/1/2012	1/14/2013	1/14/2013	N	N	N			1,201,049	1,201,049		N/A	2011	N	Mcdonald Island-Diablo-Contra Costa County
194	Capital	Base	Y	17685	30604071	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LOS MEDANOS REWORK WELL LM-21D (2015)	Close-Out	1/15/2015	3/2/2015	9/8/2015	9/30/2015	N	N	N	16,206	47,771	1,659,238	1,659,238		N/A		N	Los Medanos-Diablo-Contra Costa County
195	Capital	Base	Y	17688	30604074	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISLAND REWORK WELL WS7E (2012)	Close-Out	1/5/2012	2/1/2012	1/14/2013	1/14/2013	N	N	N			1,125,717	1,125,717		N/A	2011	N	Mcdonald Island-Diablo-Contra Costa County
196	Capital	Base	Y	17709	30604080	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISLAND REWORK WELL WS12E (2012)	Close-Out	1/5/2012	2/1/2012	1/14/2013	1/14/2013	N	N	N			545,023	545,023		N/A	2011	N	Mcdonald Island-Diablo-San Joaquin County
197	Capital	Base	Y	17711	30604012	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	GT MCD ISLAND REWORK WELL TC 10N (2013)	Close-Out	1/31/2013	3/1/2013	1/9/2014	1/9/2014	N	N	N	4,441	6,722	1,590,302	1,590,302		Y	2011	N	Mcdonald Island-Diablo-San Joaquin County
198	Capital	Base	Y	17721	30604095	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISLAND REWORK WELL WS3W (2012)	Close-Out	1/5/2012	3/1/2012	1/14/2013	1/14/2013	N	N	N			1,341,091	1,341,091		N/A	2011	N	Mcdonald Island-Diablo-San Joaquin County
199	Capital	Base	Y	17722	30604096	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISLAND REWORK WELL TC 2N (2013)	Close-Out	1/31/2013	3/1/2013	1/9/2014	1/9/2014	N	N	N	806	5,096	1,569,534	1,569,534		Y	2011	N	Mcdonald Island-Diablo-San Joaquin County
200	Capital	Base	Y	22785	30834007	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	PLEASANT CREEK RE-WORK WELL 3-3 (2011)	Close-Out	1/19/2011	2/1/2011	8/25/2011	8/25/2011	N	N	N		5,065	1,316,342	1,316,342		N/A	2015	N	Los Medanos-Sac-vacadixon-Contra Costa County
201	Capital	Base	Y	27172	30979464	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCDI OFF PLATFORM WELLS GHG UPGRADE	Close-Out	6/18/2013	8/3/2015	11/23/2015	12/2/2015	N	N	N	85 076	88 128	677 383	4 157 383		Y		N	Mcdonald Island-Diablo-San Joaquin County
202	Capital	Base	Y	28273	30971965	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	PLEASANT CREEK WELL OVERFLOW PROTECTION	Estimation	6/18/2013	8/22/2018	11/16/2018	10/17/2018	N	Y	N	10,372	24,458	24,794	9,424,794		N		N	Los Medanos-Sac-vacadixon-Contra Costa County
203	Capital	Base	Y	30269	31062832	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LOS MEDANOS PAD ELECTRICAL CONTROLS	Close-Out	3/1/2014	9/8/2015	10/23/2015	2/3/2016	N	N	N	41,173	64,897	822,054	3,748,870		N/A		N	Los Medanos-East Bay-north-Contra Costa County
204	Capital	Base	Y	31231	31101005	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LOS MEDANOS REWORK WELL LM-11C (2015)	Close-Out	1/15/2015	3/2/2015	9/8/2015	8/19/2015	N	N	N	10,704	86,792	1,873,362	1,873,362		N/A		N	Los Medanos-Diablo-Contra Costa County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
205	Capital	Base	Y	33585	31101001	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD IS WSS REPLACE GAS WELL TRANSMISSI	Engineering/Permitting	2/16/2015	7/24/2017	11/4/2017	10/11/2017	N	Y	N	1,015,037	1,458,445	1,675,728	9,985,713		N/A		N	Mcdonald Island-Stockton-San Joaquin County
206	Capital	Base	Y	35222	31101006	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL TC-14S (2015)	Close-Out	1/15/2015	3/2/2015	9/8/2015	9/30/2015	N	N	N	-201,782	19,714	2,199,222	2,199,222		N/A		N	Mcdonald Island-Stockton-San Joaquin County
207	Capital	Base	Y	35224	31101004	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER NEXT GENERATION LINEAR R	MCD ISL REWORK WELL WS-3E (2015)	Close-Out	1/15/2015	3/2/2015	3/31/2016	9/30/2015	N	N	N	4 232	107 932	1 779 490	1 779 490		N/A		N	Mcdonald Island-Stockton-San Joaquin County
208	Capital	Base	Y	35226	31101003	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL WS-1W (2015)	Close-Out	1/15/2015	3/2/2015	3/31/2016	11/18/2015	N	N	N	13,087	338,353	2,523,835	2,523,835		N/A		N	Mcdonald Island-Stockton-San Joaquin County
209	Capital	Base	Y	36038	31103200	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	STORAGE WELL ANNULAR MONITORING	Close-Out	2/23/2015	1/11/2016	8/31/2016	3/14/2016	N	N	Y	36,376	841,756	959,256	1,059,256		N/A		N	Local Trans-north-Diablo-Multiple Counties
210	Capital	Base	Y	39056	31180264	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL TC-5S (2016)	Construction	1/12/2016	4/21/2016	3/31/2017	10/17/2016	N	Y	N	2,408,699	2,527,929	2,527,929	2,577,929		Y		N	Mcdonald Island-Stockton-San Joaquin County
211	Capital	Base	Y	39059	31180266	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER NEXT GENERATION LINEAR R	LMS REWORK WELL LM-2A (2016)	Close-Out	1/12/2016	4/20/2016	3/31/2017	6/21/2016	N	Y	N	1 867 412	2 146 973	2 146 973	2 209 973		N		N	Mcdonald Island-Stockton-San Joaquin County
212	Capital	Base	Y	39060	31180262	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL TC-9N (2016)	Construction	1/12/2016	4/21/2016	3/31/2017	11/14/2016	N	Y	N	3,339,674	3,803,036	3,803,036	3,853,036		Y		N	Mcdonald Island-Stockton-San Joaquin County
213	Capital	Base	Y	39061	31180261	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL TC-4N (2016)	Construction	1/12/2016	4/21/2016	3/31/2017	8/23/2016	N	Y	N	2,973,906	3,484,276	3,484,276	3,534,276		Y		N	Mcdonald Island-Stockton-San Joaquin County
214	Capital	Base	Y	39062	31180263	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL TC-3N (2016)	Construction	1/12/2016	4/21/2016	3/31/2017	9/19/2016	N	Y	N	2,921,883	3,109,267	3,109,267	3,172,267		Y		N	Mcdonald Island-Stockton-San Joaquin County
215	Capital	Base	Y	39063	31180265	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER NEXT GENERATION LINEAR R	LMS REWORK WELL LM-12C (2016)	Construction	1/12/2016	4/20/2016	3/31/2017	6/7/2016	N	Y	N	1 232 441	3 197 663	3 197 663	3 260 663		N		N	Mcdonald Island-Stockton-San Joaquin County
216	Capital	Base	Y	39149	31180156	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD IS - TCS INSTALL PLATFORM HMI	Close-Out	2/1/2016	10/17/2016	11/17/2016	11/14/2016	N	N	Y	394,090	488,666	488,666	538,670		Y		N	Mcdonald Island-San Joaquin County
217	Capital	Base	Y	39190	31180152	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LOS MEDANOS UPGRADE REBOILER BURNERS	Engineering/Permitting	1/19/2016	5/1/2017	7/26/2017	6/26/2017	N	Y	N	57,783	121,209	124,585	633,800		N/A		N	Los Medanos-Contra Costa County
218	Capital	Base	Y	39461	31180158	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCDIS-TCS CASING SAND INSPECT VALVES	Engineering/Permitting	1/8/2016	3/1/2018	6/4/2018	5/3/2018	N	Y	N	80,431	132,653	138,188	1,089,959		N/A		N	Mcdonald Island-San Joaquin County
219	Capital	Base	Y	18027	9708140	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT, OBS, STANPAC CAPITAL	SP3 FAULT CROSSING AT MP 179.6	Construction	3/1/2015	3/1/2015	12/8/2017	12/8/2017	N	N	N		2,690	5,300	107,724		N/A		N	Local Trans-north-Diablo-Contra Costa County
220	Capital	Base	Y	22926	97000509	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT, OBS, STANPAC CAPITAL	R-290 SP4Z MP 7.31 - 8.18 RETIRE SJ RIVE	Close-Out	1/5/2012	6/1/2012	9/27/2013	9/27/2013	N	N	N	3,088,216	3,599,001	4,566,179	4,698,659		N/A		N	Rio Vista-Sac-vacadixon-Contra Costa County
221	Capital	Base	Y	23620	97000503	44	Gas Capital GasTrans	44B	PSEP Stanpac Capital	5900121-STANPAC EXPENSE	21LVE AUTO - ANTIOCH TOWN METER STA PH-1	Close-Out	1/5/2012	11/1/2012	3/31/2013	3/31/2013	N	N	N			1,139	1,139		N/A	2011P	N	Local Trans-north-Diablo-Contra Costa County
222	Capital	Base	Y	23621	97000501	44	Gas Capital GasTrans	44B	PSEP Stanpac Capital	5900121-STANPAC EXPENSE	VALVE AUTO - SP3-LINE 191 MTR STA, PH. 1	Close-Out	1/1/2011	6/1/2012	3/18/2013	3/18/2013	N	N	N			999,461	999,461		N/A	2011P	N	Los Medanos-Contra Costa County
223	Capital	Base	Y	23622	97000521	44	Gas Capital GasTrans	44B	PSEP Stanpac Capital	5900121-STANPAC EXPENSE	01LVE AUTO - LOS MEDANOS, PH. 1	Close-Out	1/5/2012	4/13/2013	8/21/2013	8/21/2013	N	N	N	-8	131	812,103	812,103		N/A	2011P	N	Los Medanos-Contra Costa County
224	Capital	Base	Y	23623	97000504	44	Gas Capital GasTrans	44B	PSEP Stanpac Capital	5900121-STANPAC EXPENSE	VALVE AUTO - CONCORD METER STA, PH. 1	Close-Out	8/1/2011	7/29/2013	9/20/2013	9/12/2013	N	N	N			944,202	944,202		N/A	2011P	N	Local Trans-north-Diablo-Contra Costa County
225	Capital	Base	Y	23624	97000505	44	Gas Capital GasTrans	44B	PSEP Stanpac Capital	5900121-STANPAC EXPENSE	VALVE AUTO - VINE HILL PH-1	Close-Out	1/5/2012	3/18/2013	7/15/2013	7/2/2013	N	N	N	188	2,065	1,604,690	1,604,690		N/A	2011P	N	Local Trans-north-Diablo-Contra Costa County
226	Capital	Base	Y	23626	97000506	44	Gas Capital GasTrans	44B	PSEP Stanpac Capital	5900121-STANPAC EXPENSE	04LVE AUTO - ""C"" STREET STA PH-1	Close-Out	8/1/2011	8/1/2011	4/5/2013	4/5/2013	N	N	N			1,278,618	1,278,618		N/A	2011P	N	Local Trans-north-Diablo-Contra Costa County
227	Capital	Base	Y	23627	97000507	44	Gas Capital GasTrans	44B	PSEP Stanpac Capital	5900121-STANPAC EXPENSE	VALVE AUTO - FRANKLIN CANYON, PH. 1	Close-Out	8/1/2011	8/1/2011	4/5/2013	4/5/2013	N	N	N			583,967	583,967		N/A	2011P	N	Local Trans-north-East Bay-south-Alameda County
228	Capital	Base	Y	24909	97000661	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT OBS STANPAC CAPITAL	SP4Z RETIRE 0.25MI MP 8.18-8.43 PH1	Close-Out	10/1/2011	10/1/2011	5/28/2013	5/28/2013	N	N	N	188	2 749	428 067	428 067		N/A	2011P	N	Los Medanos-Diablo-Contra Costa County
229	Capital	Base	Y	25180	97000941	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT, OBS, STANPAC CAPITAL	RYER ISLAND - REPLACE/RELOCATE ODORIZER	Close-Out	9/21/2011	11/30/2015	7/26/2016	12/22/2015	N	N	Y	22,973	144,956	688,742	701,088		N/A		N	Los Medanos-Contra Costa County
230	Capital	Base	Y	26718	97003981	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT, OBS, STANPAC CAPITAL	SP3/L191 X-TIE REPLACE MONITOR CONTROLS	Estimation	1/28/2015	5/1/2018	7/10/2018	6/15/2018	N	N	N	101	101	101	51,371		Y		N	Los Medanos-East Bay-north-Contra Costa County
231	Capital	Base	Y	27977	97001321	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT, OBS, STANPAC CAPITAL	SHERMAN ISLAND - INSTALL ODORIZER	Construction	8/1/2012	11/1/2016	1/30/2017	1/20/2017	N	Y	N	333,377	384,348	753,762	829,626		N/A		N	Rio Vista-Sac-vacadixon-Solano County
232	Capital	Base	Y	31811	97002561	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT OBS STANPAC CAPITAL	GT SP-3 ABANDONED PIPE REMOVAL	Close-Out	9/8/2014	12/8/2014	1/16/2015	1/7/2015	N	N	N	3 054	6 478	372 610	372 610		N/A		N	Los Medanos-Diablo-Contra Costa County
233	Capital	Base	Y	39738	97003041	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT, OBS, STANPAC CAPITAL	I-111A SP-5 ILI UPGR LAUNCH	Close-Out	7/14/2015	8/19/2016	12/2/2016	11/1/2016	N	N	Y	2,833,101	2,963,288	3,035,989	3,173,989		N/A		N	Local Trans-north-Diablo-Contra Costa County
234	Capital	Base	Y	39739	97003042	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT, OBS, STANPAC CAPITAL	I-111D SP-5 MP 0.11-3.87 ILI UPGRADE	Close-Out	7/16/2015	8/25/2016	11/14/2016	11/1/2016	N	N	Y	1,637,024	1,794,216	1,857,419	1,995,419		N/A		N	Local Trans-north-Diablo-Contra Costa County
235	Capital	Base	Y	39899	97003982	44	Gas Capital GasTrans	44A	Stan-Pac Capital	5900721-CGT, OBS, STANPAC CAPITAL	SP5 MP 0.00-2.06 VINTAGE PROGRAM	Construction	11/1/2016	11/1/2016	10/31/2017	10/31/2017	Y	N	N				6,035,064		Y		N	Los Medanos-Diablo-Contra Costa County
236	Capital	Base	Y	16824	30603874	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	R-574 DFM 1603-01 MP 2.15 1.5 MI 8"" EXT	Estimation	12/19/2005	5/15/2017	9/12/2017	8/18/2017	N	Y	N	898 142	1 045 653	1 352 689	7 853 091		N		N	Local Trans-north-Stockton-San Joaquin County
237	Capital	Base	Y	17488	P.02137	73	GT Pipeline Capacity	73A	Capacity and NOP	5725038-P.02696-L-407 PH.2	L-406 Expansion Project	Close-Out	6/1/2005	6/1/2005	10/4/2010	10/4/2010	N	N	N		11,677	60,256,885	60,256,885		N/A	2011	N	Local Trans-north-North Valley-Sacramento County
238	Capital	Base	Y	19041	P.02696	73	GT Pipeline Capacity	73A	Capacity and NOP	5725038-P.02696-L-407 PH.2	L-407 Ph.2	Close-Out	11/10/2005	12/1/2016	12/1/2016	11/1/2015	N	N	Y	61,903,447	73,758,695	405,713,246	405,713,246		N/A	2008, 2011	N	Local Trans-north-Sierra
239	Capital	Base	Y	22144	30841070	73	GT Pipeline Capacity	73D		5751488-30841070 - 0617-06 INST LNG INJ EL DORAD	R-487 0617-06 INST LNG INJ EL DORADO HIL	Close-Out	1/5/2012	10/15/2015	12/14/2015	11/5/2015	N	N	N	45,923	105,085	815,243	840,245		N		N	Local Trans-north-Sierra-Yuba County
240	Capital	Base	Y	27086	30918878	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	[redacted] STATION	Estimation	5/14/2012	4/3/2018	6/27/2018	5/29/2018	N	Y	N	359,009	431,179	468,429	2,531,239		N/A		N	Local Trans-north-Stockton-San Joaquin County
241	Capital	Base	Y	31152	31006657	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	GT R-375 L-167 1.51MI MP 17.41-29.24 REP	Close-Out	8/28/2013	6/25/2014	1/14/2015	9/30/2014	N	N	N	5,006	20,431	11,181,006	11,191,006		N		N	Local Trans-north-Sierra-Sutter County
242	Capital	Base	Y	31433	31037810	73	GT Pipeline Capacity	73D		5512500-LNG/CNG CAPITAL EQUIPMENT	LNG AMBIENT VAPORIZERS 3-4 ABRICATION	Close-Out	11/1/2013	11/1/2013	3/1/2015	3/1/2015	N	N	N	559,948	1,880,795	2,940,584	2,940,584		N		N	Local Trans-Systemwide-Placer County
243	Capital	Base	Y	35089	31094965	73	GT Pipeline Capacity	73D		5514119-CAPACITY PROGRAM	T-419-14, DFM-2403-01, TEST, FREMONT	Close-Out	9/1/2014	9/1/2014	5/18/2015	5/18/2015	N	N	N	3,051	19,480	277,219	277,219		N		N	Local Trans-north-Mission-Alameda County
244	Capital	Base	Y	35319	31152670	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	RT-103 0-01 MP 0.22 REPLACE 57 FT	Engineering/Permitting	3/1/2014	2/9/2017	3/16/2017	3/1/2017	N	Y	N	69,009	146,784	227,555	1,017,555		Y		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
245	Capital	Base	Y	36135	31105944	73	GT Pipeline Capacity	73D		5514119-CAPACITY PROGRAM	TRIM REGULATION TRAILER THX 503-505	Close-Out	10/1/2014	10/1/2014	12/28/2016	12/28/2016	N	N	Y	31,660	62,463	848,055	848,055		N/A		N	Local Trans-Systemwide-Yuba County
246	Capital	Base	Y	37145	31143013	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	R-594 DFM-8807-01 MP 0.0-5.07 CAPITAL UP	Close-Out	9/18/2014	5/29/2015	10/6/2015	9/8/2015	N	N	N	8,590	1,166,460	4,982,943	4,982,943		N		N	Local Trans-south-De Anza-Santa Clara County
247	Capital	Base	Y	38549	31153103	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	R-600 L-150 MP 15.82 REPLACE TAP VALVE W	Close-Out	5/1/2015	2/3/2016	3/11/2016	4/13/2016	N	N	N	31,199	413,824	491,162	496,162		N/A		N	Local Trans-north-Sacramento-Solano County
248	Capital	Base	Y	41037	31191287	73	GT Pipeline Capacity	73D		5758271-LNG/CNG PROGRAM BUDGET	LNG TANKER SUPPORT	Construction	10/1/2015	10/1/2015	1/28/2017	1/28/2017	N	Y	N	241,504	422,824	483,826	483,826		N/A		N	Local Trans-north-North Valley-Multiple Counties
249	Capital	Base	Y	41215	74001452	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	R300D ILI 26MI PH1 & PH 2	Engineering/Permitting	12/28/2015	1/8/2018	10/20/2018	10/5/2018	N	Y	N	96,143	96,289	96,289	4,422,434		N		N	Local Trans-north-Sacramento-Sacramento County
250	Capital	Base	Y	41428	31206058	73	GT Pipeline Capacity	73D		5512500-LNG/CNG CAPITAL EQUIPMENT	PORTABLE CROSS COMPRESSOR 1-2	Construction	12/1/2015	12/1/2015	8/31/2017	8/31/2017	N	Y	N	186,939	275,751	286,435	286,435		N/A		N	Systemwide-Systemwide-San Joaquin County
251	Capital	Base	Y	601454	30841076	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	R-401 DFM 0208-01 0.75MI MP1.77-2.48 RPL	Engineering/Permitting	2/1/2012	2/1/2012	1/28/2017	1/28/2017	N	Y	N	79,317	79,317	1,241,811	1,241,811		N		N	Systemwide-Systemwide-San Mateo County
252	Capital	Base	Y	5719	74000962	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-317 L-147 MP 0.85-1.98 RELOCATE 6500FT	Construction	11/1/2015	11/1/2015	4/29/2017	4/29/2017	N	Y	N	677	1,330	18,021	595,427		Y		N	Local Trans-south-Peninsula-San Mateo County
253	Capital	Base	Y	9344	30603495	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-2 DESIGN & FAB. CANAL XING SUPPORTS	Construction	6/22/2000	7/1/2002	8/28/2019	8/28/2019	N	Y	N	7 152	14 045	190 344	1 690 344		N/A	2011	N	Tracy-Stockton-San Joaquin County
254	Capital	Base	Y	14809	P.01507	75	GT Pipeline Reliabil	75A	Cathodic Protection	5757292-31002028 - INTEGRITY INSPECTIONS & CTS I	Cathodic Protection Program 2004-2008	Close-Out	9/15/1999	1/1/2004	8/23/2012	8/23/2012	N	N	N			6,608,385	6,608,385		N/A	2011	N	Systemwide-Systemwide-Sacramento County
255	Capital	Base	Y	15143	30603580	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L 177A LITTLE SALMON CREEK FAULT XING	Close-Out	9/7/2004	2/1/2006	10/11/2016	10/11/2016	N	N	Y	4,063	12,523	73,299	373,273		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
256	Capital	Base	Y	16542	74001458	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	*CANC*L-300A, MP 282.25 CCC 10080-GREELY	Close-Out	12/19/2005	12/1/2015	12/1/2015	12/12/2014	N	N	N	-478	-460				N/A	2008, 2011	N	L300-north-Kern-Kern County
257	Capital	Base	Y	16602	30603846	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM CORROSION ENGINEERING	L-132 MP18.1 SAN FRANCISQTO CRK RECOAT	Close-Out	3/1/2005	3/1/2005	5/21/2012	5/21/2012	N	N	N	2 090	4 173	1 072 024	1 072 024		N/A		N	Local Trans-south-Peninsula-San Mateo County
258	Capital	Base	Y	16688	30603862	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	PANOCHE REPLACE V-15	Close-Out	7/1/2005	7/1/2005	12/28/2016	12/28/2016	N	N	Y	478	938	12,714	12,714		Y		N	Kettleman-Fresno-Fresno County
259	Capital	Base	Y	17977	30638282	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L21E, MP 79, ASTI, RELOCATE 100' 12""-TP	Close-Out	9/1/2006	9/1/2006	8/30/2010	8/30/2010	N	N	N	2,389	4,692	640,650	640,650		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
260	Capital	Base	Y	18025	30712773	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-008 108 MP 38.17-40.27 REPLACE	Close-Out	1/19/2011	10/16/2015	12/15/2015	11/23/2015	N	N	N	-136,968	-121,712	6,102,453	6,132,453		N		N	Local Trans-north-Stockton-San Joaquin County
261	Capital	Base	Y	18034	30604186	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-131 MP 46.34 - 50.57 RETIRE FREMONT	Close-Out	3/1/2010	3/1/2010	12/1/2015	12/1/2015	N	N	N	72 744	-221 079	6 458 171	6 488 171		N/A		N	Milpitas/hollister-Mission-Alameda County
262	Capital	Base	Y	18035	30604187	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-132 MP 1.26-1.87 REPLACE	Close-Out	10/1/2010	10/1/2010	11/16/2012	11/16/2012	N	N	N	188	3,479	9,599,137	9,629,137		N/A		N	Milpitas/hollister-San Jose-Santa Clara County
263	Capital	Base	Y	18036	30604188	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-132 MP 42.95-43.63 REPLACE - SOUTH SF	Close-Out	1/1/2008	1/1/2008	11/20/2012	11/20/2012	N	N	N	27,028	21,295	20,478,747	20,478,747		N/A	2008, 2011	N	Local Trans-south-Peninsula-San Mateo County
264	Capital	Base	Y	18393	P.02912	75	GT Pipeline Reliabil	75A	Cathodic Protection	5501679-GSM, CATHODIC PROTECTION	Cathodic Protection Program	Close-Out	1/31/2008	3/1/2010	9/24/2014	9/24/2014	N	N	N	112,485	123,080	13,182,932	13,524,932		N/A		N	Systemwide-Systemwide-Sacramento County
265	Capital	Base	Y	18579	30604310	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-009 108 MP 40.27-43.46 REPLACE	Close-Out	1/31/2008	9/3/2015	12/19/2015	11/24/2015	N	N	N	-734,512	-531,603	17,769,421	17,974,705		N	2011	N	Local Trans-north-Stockton-Sacramento County
266	Capital	Base	Y	18925	30605992	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	0646-01 MP 9.9-4.8 CACHE CRK DFM DNRATE	Close-Out	1/31/2008	3/1/2008	11/7/2011	11/7/2011	N	N	N	6,846	6,361	337,939	342,939		N/A		N	Local Trans-north-Sac-vacadixon-Sacramento County
267	Capital	Base	Y	19105	30609906	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	DFM 0407-01 MP 3.11 PINE ST REG STA	Close-Out	2/1/2008	2/1/2008	7/13/2015	7/13/2015	N	N	N	5,858	17,361	2,122,892	2,122,892		Y		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
268	Capital	Base	Y	19241	30677907	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	SYSTEM-WIDE SCANDATA REPLACEMENT	Close-Out	1/21/2009	3/4/2014	6/19/2015	12/29/2011	N	N	N	10,769	9,912	2,746,941	2,771,903		N/A	2015	N	Systemwide-Systemwide-Sacramento County
269	Capital	Base	Y	19332	30627783	75	GT Pipeline Reliabil	75A	Cathodic Protection	5757292-31002028 - INTEGRITY INSPECTIONS & CTS I	L300A MP 125.39 RECOAT PIPELINE	Close-Out	5/1/2008	5/1/2008	1/15/2009	1/15/2009	N	N	N	5,728	17,769	499,609	499,609		N/A		N	Hinkley-San Bernardino County
270	Capital	Base	Y	19344	30628834	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-305 L-107 0.6MI MP26.01-26.61 REPLACE	Close-Out	5/10/2010	5/14/2014	7/23/2015	10/7/2014	N	N	N	33,970	79,325	20,363,090	20,393,090		N/A		N	Milpitas/hollister-Mission-Alameda County
271	Capital	Base	Y	19349	74001459	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-707 L131 M27.02-28.00 REPLACE 5100 FT	Engineering/Permitting	12/9/2015	4/23/2018	10/6/2018	9/13/2018	N	Y	N	249,328	255,286	255,439	13,552,871	2007	N		N	Tracy-Mission-Alameda County
272	Capital	Base	Y	19371	30677708	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-107M13.08-15.70RETIRE13835'-24' TOP100	Close-Out	1/1/2010	1/1/2010	6/5/2015	6/5/2015	N	N	N	39,493	104,308	603,154	654,044		N/A	2011	N	Tracy-Mission-Alameda County
273	Capital	Base	Y	19416	30632740	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	PLS4 REPLACE RELIEF VALVE SYSTEM	Close-Out	1/5/2012	9/4/2014	12/5/2014	12/12/2014	N	N	N	10,185	12,071	2,754,757	2,754,757		N/A		N	L300-north-Kern-Kern County
274	Capital	Base	Y	19429	30677906	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	SYSTEM-WIDE DATEL REPLACEMENT	Close-Out	1/21/2009	3/4/2014	6/19/2015	3/26/2014	N	N	N	1,722	18,828	1,037,896	1,062,616		N/A		N	Systemwide-Systemwide-Multiple Counties
275	Capital	Base	Y	19753	30660992	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	TRONA TAP V-180.11B LEDEEN ACTUAT REPL	Close-Out	10/9/2008	3/13/2015	4/24/2015	4/21/2015	N	N	N	37,901	197,060	2,989,214	2,989,214		N/A		N	Hinkley-Kern-San Bernardino County
276	Capital	Base	Y	19855	30677653	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-108 IM MP 61.66- 63.50 INST 8600' 24""	Close-Out	2/1/2010	2/1/2010	10/1/2011	10/1/2011	N	N	N			5,323,534	5,323,534		N	2011	N	Local Trans-north-Sacramento-Sacramento County
277	Capital	Base	Y	19903	30676555	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-105N MP-22.86 INSTALL ENRICO STATION	Close-Out	1/27/2010	2/1/2010	10/4/2012	10/4/2012	N	N	N	5,342	7,202	2,727,046	2,727,046		N/A		N	Local Trans-north-Mission-Alameda County
278	Capital	Base	Y	19927	30676544	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	PLS-3 REPLACE INSERTION TURBINE METERS	Close-Out	1/21/2009	1/1/2011	10/10/2011	10/10/2011	N	N	N	14 566	15 720	333 432	333 432		N/A		N	Hinkley-Kern-San Bernardino County
279	Capital	Base	Y	20268	74004042	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	LINE 137C MP 0.26 REPLACE RIVER XING	Estimation	1/21/2009	4/1/2019	6/7/2019	5/15/2019	N	Y	N	83,346	478,355	478,355	3,618,714		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
280	Capital	Base	Y	20425	30716295	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	105 B MP 10.44 - 10.78 REPL. FAULT XING	Close-Out	3/12/2009	12/6/2013	2/22/2014	1/23/2014	N	N	N	188	1,874	6,428,057	6,428,057		N/A		N	Local Trans-north-East Bay-north-Contra Costa Coun
281	Capital	Base	Y	20580	30712214	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-107 LIVERMORE JUNCTION INSTALL MONITOR	Close-Out	5/1/2009	5/1/2009	4/29/2011	4/29/2011	N	N	N	4,413	5,155	613,600	613,600		N/A	2011	N	Tracy-Mission-San Joaquin County
282	Capital	Base	Y	20666	30726192	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	BRENTWD ROUTING VALVE ACTUATOR REPLACEME	Close-Out	3/6/2012	1/21/2014	10/24/2014	5/28/2014	N	N	N	426	426	3 656 726	3 656 726		N/A		N	Tracy-Diablo-Contra Costa County
283	Capital	Base	Y	20714	30750581	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	HERSHEY JUNCTION PLC & REG REPLACEMENT	Close-Out	1/1/2010	1/1/2010	11/15/2012	11/15/2012	N	N	N	2,173	5,002	3,876,345	3,876,345		N/A		N	Willows-North Valley-Yolo County
284	Capital	Base	Y	20751	30712768	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	*CANC*R-497 L-306 MP 28.18 SAN ANDREAS F	Close-Out	5/19/2015	5/19/2015	1/29/2017	8/15/2017	N	N	N						N		N	Kettleman-Kern-Kings County
285	Capital	Base	Y	20758	74000277	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-108 MP 45.95-49.19 REPLACE 24"" PIPE	Engineering/Permitting	1/1/2015	4/13/2020	9/26/2020	9/3/2020	N	Y	N	244,566	420,990	608,059	23,540,753		N		N	Local Trans-north-Stockton-San Joaquin County
286	Capital	Base	Y	20798	30711380	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-404 L-304 MP 0.0-14.0 RETIRE & CONVERT	Close-Out	5/1/2009	5/1/2009	8/10/2016	8/10/2016	N	N	Y	3 960	6 207	345 318	2 745 318		N		N	Tracy-Stockton-San Joaquin County
287	Capital	Base	Y	20799	30712772	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	*CANC* L108 IM MP63.5-MP66.0 REPLACE 132	Close-Out	12/1/2010	12/1/2010	10/31/2016	10/31/2016	N	N	Y					2007	N		N	Local Trans-north-Sacramento-Sacramento County
288	Capital	Base	Y	20900	30716297	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-107M15.89-18.68RETIRE14730'-24"" TOP100	Construction	1/1/2012	1/1/2012	12/28/2017	12/28/2017	N	Y	N	95,898	141,108	440,951	490,886		N/A		N	Tracy-Mission-Alameda County
289	Capital	Base	Y	20901	30716298	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-107MP18.68-22.30RETIRE19115'-24""TOP100	Construction	11/1/2011	11/1/2011	12/28/2017	12/28/2017	N	Y	N	53,423	115,222	485,540	535,498		N/A	2011	N	Tracy-Mission-Alameda County
290	Capital	Base	Y	20902	30716299	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-107M22.34-26.01RETIRE 11195' 24""TOP100	Engineering/Perm tting	1/5/2012	4/8/2017	5/18/2017	5/18/2017	N	Y	N	49 585	113 116	488 700	538 702		N/A	2011	N	Milpitas/hollister-Mission-Santa Clara County
291	Capital	Base	Y	21199	30754673	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-131 MP-32.38 RECONFIGURE VALVE LOT	Close-Out	1/1/2010	1/1/2010	8/26/2013	8/26/2013	N	N	N	2,884	4,571	4,275,845	4,275,845		N/A		N	Tracy-Mission-Alameda County
292	Capital	Base	Y	22102	30804866	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	CREED- CONTROLS & METERING UPGRADE	Close-Out	3/10/2011	5/8/2012	12/30/2013	12/26/2012	N	N	N	13,276	25,195	7,121,698	7,121,698		N/A		N	Rio Vista-Sac-vacadixon-Solano County
293	Capital	Base	Y	22281	30796278	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	N SAC UNDRGRNDHOLDER INST STN GROUNDING	Close-Out	8/1/2010	8/1/2010	11/11/2015	11/11/2015	N	N	N	7,811	15,755	208,225	324,490		N/A		N	Local Trans-north-Sacramento-Sacramento County
294	Capital	Base	Y	22330	30796277	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-108 MP 63.5 INST 24"" MLV	Close-Out	8/1/2010	8/1/2010	11/6/2012	11/6/2012	N	N	N	188	3,419	3,337,853	3,337,853		N/A		N	Local Trans-north-Sacramento-Sacramento County
295	Capital	Base	Y	22333	74000965	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-114 MP 27.67-28.97 7000' OF 24""	Construction	11/1/2015	11/1/2015	12/26/2017	12/26/2017	N	Y	N	4,188	18,576	111,460	12,615,392	2009 (69)	N		N	Tracy-Mission-Alameda County
296	Capital	Base	Y	22367	74005083	75	GT Pipeline Reliabil	75T		5510459-GSM, CORROSION ENGINEERING	R-826 L-300B MP 500.46 EXPOSED PIPE PENI	Engineering/Permitting	10/14/2010	5/16/2018	8/10/2018	7/18/2018	N	Y	N	102,292	331,357	331,357	3,147,344		Y		N	Local Trans-south-San Jose-Santa Clara County
297	Capital	Base	Y	22374	30837881	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-151 MP 10.98 REMOVE OLD RICHVALE STA	Close-Out	3/1/2011	3/1/2011	8/1/2016	8/1/2016	N	N	Y	3,233	6,348	86,034	298,034		N/A		N	Local Trans-north-North Valley-Butte County
298	Capital	Base	Y	22758	30841066	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	BAKERSFIELD TAP-REPLACE SEPARTOR-METER	Close-Out	1/19/2011	5/23/2016	11/19/2016	8/17/2016	N	N	Y	2,194,591	3,787,355	4,593,522	4,598,038		N		N	L300-north-Kern-Kern County
299	Capital	Base	Y	22928	30822663	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-306 L-114MP 7.32 RETIRESANJOAQUIN RIVE	Close-Out	12/1/2010	12/1/2010	4/10/2014	4/10/2014	N	N	N	3,070,444	3,597,509	4,352,575	4,552,575		N/A		N	Rio Vista-Sac-vacadixon-Sacramento County
300	Capital	Base	Y	22940	30823822	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-150 IM MP 13.7-18.09 DEACTIVATE	Close-Out	1/19/2011	10/7/2015	11/13/2015	7/30/2012	N	N	N	6,919	-1,490	661,395	661,395		N		N	Local Trans-north-Sac-vacadixon-Yolo County
301	Capital	Base	Y	23315	30837609	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	R-678 GCUST6984 MP0.00 ABNDN POTRERO PP	Engineering/Permitting	11/16/2011	9/5/2017	9/5/2017	9/30/2017	N	Y	N	4,396	8,632	116,988	356,978		N/A		N	Local Trans-south-San Francisco-San Francisco Coun
302	Capital	Base	Y	23360	30841063	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	L-301F[redacted] . STATION UPGRADE	Engineering/Permitting	1/5/2012	8/14/2018	11/7/2018	10/9/2018	N	Y	N	2,908	26,554	253,538	2,703,538		N		N	Local Trans-south-Central Coast-Monterey County
303	Capital	Base	Y	23710	30604195	75	GT Pipeline Reliabil	75B	Do Not Use-Use 75D/7	5501687-GSM PIPELINE RELIABILITY/SAFETY	*CANC* DFM-7221-15 REPL 1.60MI MP 0.04-1	Close-Out	3/1/2011	4/1/2012	12/31/2015	12/31/2015	N	N	N						Y	2008 2011P	N	Local Trans-south-Yosemite-Merced County
304	Capital	Base	Y	23727	P.04061	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	*CANC*L-021F REPL 2.16MI MP 0.00-2.15	Close-Out	5/24/2011	6/1/2011	2/4/2015	2/4/2015	N	N	N						N	2011P	N	Local Trans-north-North Bay-vallejo/napa-Marin Cou
305	Capital	Base	Y	23788	74004065	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-103 REPL 7.12MI MP 5.68-16.30	Close-Out	5/24/2011	3/1/2016	8/13/2016	8/13/2016	N	N	Y	13,092	348,428	348,428	1,193,804	2007, 2008, 2009	N		N	Local Trans-south-Central Coast-Monterey County
306	Capital	Base	Y	24352	30889882	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	VIERA REG STA REBUILD & RETIRE WILBUR DR	Close-Out	1/5/2012	10/17/2016	12/6/2016	9/23/2016	N	N	Y	1,986,400	5,125,417	5,826,939	5,926,939		N/A		N	Local Trans-north-Diablo-Contra Costa County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
307	Capital	Base	Y	24477	30903548	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	GT HOLLISTER-REPLACE MONITOR ACTUATORS	Close-Out	1/5/2012	9/8/2014	1/28/2015	10/28/2014	N	N	N	492	492	1,664,197	1,682,805		N/A		N	Milpitas/hollister-Central Coast-San Benito County
308	Capital	Base	Y	24478	30903684	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	OLD RIVER V5 REPLACMNT AND V4 CONTROLLR	Estimation	1/5/2012	4/2/2018	6/21/2018	6/4/2018	N	Y	N	241,833	549,941	925,394	3,380,121		N		N	Tracy-Diablo-Contra Costa County
309	Capital	Base	Y	24480	30903685	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	BRENTWOOD-REPLACE 2"" BLOW-OFF VALVES	Construction	1/5/2012	2/1/2012	12/31/2016	12/31/2016	N	N	Y	10 457	20 536	278 305	278 305		N/A		N	Tracy-Diablo-Contra Costa County
310	Capital	Base	Y	24536	30903739	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	IRVINGTON-REPLACE ACTUATORS ON MONITORS	Close-Out	1/5/2012	4/22/2015	3/8/2016	8/14/2015	N	N	N	45,205	99,966	3,458,493	3,458,493		N/A		N	Milp tas/hollister-Central Coast-Alameda County
311	Capital	Base	Y	24575	30857344	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	GT-INSTALL OPP AT EL PASO INTERCONNECT	Close-Out	6/15/2011	6/1/2011	5/8/2012	5/8/2012	N	N	N	18,415	150,954	3,119,215	3,119,215		N/A		N	Topock-Kern-San Bernardino County
312	Capital	Base	Y	24674	30859792	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-307 L-107 1.94MI MP29.27-31.21 REPL	Close-Out	2/16/2012	3/3/2014	5/20/2015	11/18/2014	N	N	N	24,740	259,427	44,340,789	44,370,789		N/A		N	Milp tas/hollister-Mission-Alameda County
313	Capital	Base	Y	24753	30859796	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-119A MP13.12-MP14.05 DEACTIVATE 12-IN	Close-Out	6/27/2011	7/1/2011	9/26/2011	9/26/2011	N	N	N	6 059	6 059	484 004	489 004		Y		N	Local Trans-north-Sacramento-Sacramento County
314	Capital	Base	Y	24773	30861966	75	GT Pipeline Reliabil	75J	Geohazards	5510459-GSM, CORROSION ENGINEERING	021E MP 129.7 LAND SLIDE MITIGATION	Close-Out	7/1/2011	7/1/2011	1/5/2012	1/5/2012	N	N	N	2,492	3,218	593,290	593,290		N/A		N	Local Trans-north-North Coast-santa Rosa-Mendocino
315	Capital	Base	Y	25026	30868287	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	MILPITAS CONTROLS UPGRADE	Close-Out	2/20/2012	3/17/2014	2/11/2015	6/12/2014	N	N	N	6,034	12,954	3,095,066	3,095,066		N/A		N	Milpitas/hollister-Central Coast-Santa Clara Count
316	Capital	Base	Y	25037	30879385	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-197A, MP 39.57-39.97 PIPE REPL	Close-Out	9/1/2011	9/1/2011	9/21/2012	9/21/2012	N	N	N	4,464	9,242	1,459,612	1,459,612		N/A		N	Local Trans-north-Stockton-San Joaquin County
317	Capital	Base	Y	25078	30869840	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	N SAC UNDRGRNDHOLDER DEACTIVATE 3BOTTLES	Close-Out	8/1/2011	8/1/2011	2/12/2013	2/12/2013	N	N	N	2 837	3 028	367 815	367 815		N/A		N	Local Trans-north-Sacramento-Sacramento County
318	Capital	Base	Y	25122	30883172	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	400 MP 269.48 REPLACE MLV	Close-Out	10/21/2011	1/1/2012	4/16/2013	4/16/2013	N	N	N	5,475	9,041	3,333,607	3,333,607		N		N	Rio Vista-Sac-vacadixon-Solano County
319	Capital	Base	Y	25241	30877383	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM, CORROSION ENGINEERING	R-295 L-300B MP 344.5 REPL 1800FT	Close-Out	10/19/2011	9/22/2014	1/26/2015	12/17/2014	N	N	N	9,047	43,311	4,794,779	4,814,840		N/A		N	Kettleman-Fresno-Kings County
320	Capital	Base	Y	25267	30888833	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-304 L-131 0.0MI MP38.7-38.7 REBUILD	Close-Out	12/2/2010	7/30/2014	10/2/2015	6/8/2015	N	N	N	76,604	27,566	13,558,798	13,588,798		N/A		N	Tracy-Mission-San Joaquin County
321	Capital	Base	Y	25355	74000800	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	L-300B, MP 0.0-0.1 RPLC PIPE ON BRIDGE	Close-Out	10/1/2011	11/1/2015	11/1/2015	5/14/2012	N	N	N		1,664	652,378	15,705,838		N/A		N	Topock-Kern-San Bernardino County
322	Capital	Base	Y	25392	30903557	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	IRVINGTON STATION - INSTALL SEPARATORS	Estimation	1/5/2012	4/12/2018	7/3/2018	6/16/2018	N	Y	N	727,177	1,146,144	1,906,017	3,758,220		N/A		N	Milp tas/hollister-Central Coast-Alameda County
323	Capital	Base	Y	25450	30909583	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	L-400 MP230.95 EXPOSED PIPE PETROLEUM CR	Engineering/Permitting	1/5/2012	5/15/2017	10/10/2017	9/16/2017	N	Y	N	169,389	256,647	1,015,516	1,194,523		N/A		N	Willows-North Valley-Yolo County
324	Capital	Base	Y	25499	30888570	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	L-300A MP 483.25 EMADO STATION RETIREMNT	Construction	1/5/2012	12/5/2016	1/5/2017	12/28/2016	N	Y	N	171,552	268,610	492,595	1,018,368		N/A		N	Local Trans-south-San Jose-Santa Clara County
325	Capital	Base	Y	25745	30903154	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	HELM TAP STATION UPGRADE	Close-Out	1/5/2012	6/5/2013	1/31/2014	10/28/2013	N	N	N	4,544	4,544	2,536,544	2,536,544		N/A		N	Kettleman-Fresno-Fresno County
326	Capital	Base	Y	25746	30900891	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	PLS6 OVER PRESSURE PROTECTION UPGRADE	Engineering/Permitting	1/5/2012	4/17/2017	8/15/2017	7/28/2017	N	Y	N	161,102	543,992	2,646,627	6,646,761		N/A		N	Milp tas/hollister-Central Coast-Santa Clara Count
327	Capital	Base	Y	25748	30903153	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	PLS7 MONITOR VALVES REPLACE ACTUATORS	Close-Out	1/5/2012	9/21/2015	1/7/2016	1/6/2016	N	N	N	16,477	360,985	3,282,351	3,282,351		N/A		N	Milp tas/hollister-San Jose-Santa Clara County
328	Capital	Base	Y	25768	30903155	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	PANOCHE - INSTALL MONITOR V-13	Close-Out	1/5/2012	10/6/2014	11/10/2014	12/4/2014	N	N	N	5,157	-1,938	517,005	517,005		N		N	L300-north-Yosemite-Fresno County
329	Capital	Base	Y	26149	30900656	75	GT Pipeline Reliabil	75L	Fault Crossings	5510459-GSM, CORROSION ENGINEERING	L181B MP 1.2 SAN ANDREAS FAULT REPLACE	Close-Out	4/18/2012	8/31/2015	10/10/2015	7/19/2013	N	N	N	36,095	8,713	3,296,062	3,336,064		N/A		N	Milp tas/hollister-Central Coast-Santa Cruz County
330	Capital	Base	Y	26150	30900655	75	GT Pipeline Reliabil	75L	Fault Crossings	5510459-GSM CORROSION ENGINEERING	L103 MP 9.5 SAN ANDREAS FAULT REPLACE	Close-Out	1/1/2012	1/1/2012	4/16/2013	4/16/2013	N	N	N	2 680	1 011	3 440 716	3 440 716		N/A		N	Milp tas/hollister-Central Coast-Santa Clara Count
331	Capital	Base	Y	26179	30904340	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	BRENTWOOD V-127 VALVE REPLACEMENT	Close-Out	1/18/2012	5/9/2013	6/8/2013	5/26/2013	N	N	N	2,837	3,028	600,367	600,367		N/A		N	Tracy-Diablo-San Joaquin County
332	Capital	Base	Y	26413	30916908	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	GT PLS-1 NEW SULFUR ANALYZER	Close-Out	3/26/2012	6/2/2014	12/5/2014	7/23/2014	N	N	N	6,068	5,899	1,439,018	1,439,018		N/A		N	Topock-Kern-San Bernardino County
333	Capital	Base	Y	26453	30905920	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-197A MP 27.1 REPALCE MLV LOT	Close-Out	2/1/2012	2/1/2012	2/4/2014	2/4/2014	N	N	N	9,191	16,630	610,783	610,783		N		N	Local Trans-north-Stockton-San Joaquin County
334	Capital	Base	Y	26635	74004057	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L21F MP16.6 ELIMINATE SPAN	Estimation	6/18/2013	9/18/2017	3/8/2018	2/13/2018	N	Y	N	51 133	112 504	112 504	3 238 763		N/A		N	Local Trans-north-North Bay-vallejo/napa-Marin Cou
335	Capital	Base	Y	26662	30981020	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	BIXLER V4/4R VALVE AND ACTUATOR REPLACE	Engineering/Permitting	11/21/2014	7/17/2018	9/7/2019	8/14/2019	N	Y	N	121,773	144,279	294,423	2,368,229		N		N	Tracy-San Joaquin County
336	Capital	Base	Y	26704	31099981	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	IRVINGTON REPLACE UPS & CONTROLS UPGRADE	Engineering/Permitting	1/19/2015	4/2/2018	6/21/2018	5/28/2018	N	Y	N	86,656	151,354	210,882	411,344		Y		N	Milpitas/hollister-Central Coast-Alameda County
337	Capital	Base	Y	26707	31016867	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	MILPITAS METERS REPLACE OUTGOING MTRS	Engineering/Permitting	8/26/2013	5/1/2018	9/7/2018	8/14/2018	N	Y	N	10,132	15,219	78,093	2,163,637		Y		N	Milp tas/hollister-San Jose-Santa Clara County
338	Capital	Base	Y	26803	30928299	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L153 M-22.71 REPLACE MLV	Close-Out	3/22/2012	6/1/2012	12/5/2012	12/5/2012	N	N	N	11 853	11 751	658 875	658 875		N/A		N	Local Trans-north-East Bay-south-Alameda County
339	Capital	Base	Y	26880	30915469	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-021F MP15.0 SPAN RELOCATION 12-IN	Engineering/Permitting	4/1/2012	4/1/2012	9/3/2018	9/3/2018	N	Y	N	1,981	3,890	52,722	829,722		Y		N	Local Trans-north-North Bay-san Rafael-Marin Count
340	Capital	Base	Y	26916	31006760	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	R-610 L195A-3 MP0.17-0.32 RETIRE SAC RVR	Estimation	6/18/2013	6/5/2017	7/31/2017	7/7/2017	N	Y	N	95,094	154,885	225,473	1,542,253		N/A	2015	N	Rio Vista-Sac-vacadixon-Solano County
341	Capital	Base	Y	26978	74004056	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	L105N M13.48 REPLACE 1000 FT OF 24-IN	Construction	3/1/2016	3/1/2016	10/31/2017	10/31/2017	N	Y	N	26,502	87,880	87,880	183,882		Y		N	Local Trans-north-Mission-Alameda County
342	Capital	Base	Y	26983	74001625	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM, CORROSION ENGINEERING	R-705 L- 401 0.9MI MP327.53-328.44 RPLC	Engineering/Permitting	3/10/2016	3/14/2017	7/26/2017	7/1/2017	N	Y	N	254,754	265,239	266,147	13,666,669		N/A		N	Tracy-Stockton-San Joaquin County
343	Capital	Base	Y	26984	30948132	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM, CORROSION ENGINEERING	R-496 L-401 MP 323.26-325.42 REPLACE 36""	Close-Out	10/16/2014	10/7/2015	3/11/2016	2/16/2016	N	N	N	88,059	2,333,343	12,065,875	12,085,875		N/A		N	Tracy-Stockton-San Joaquin County
344	Capital	Base	Y	27049	30918706	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L021F MP6.4 REMOVE V-1/T-01D	Construction	4/1/2012	4/1/2012	7/31/2017	7/31/2017	N	Y	N	9,299	18,261	247,475	835,840		N		N	Local Trans-north-North Bay-san Rafael-Marin Count
345	Capital	Base	Y	27156	30919862	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-108 MP 38.17 MLV AND BRIDLE SET	Close-Out	4/1/2012	4/1/2012	10/2/2012	10/2/2012	N	N	N	3,900	9,008	1,526,184	1,526,184		N		N	Local Trans-north-Stockton-San Joaquin County
346	Capital	Base	Y	27202	30921685	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFDS3672_MP0.0000-0.3300..BORON REG PCF	Close-Out	4/25/2012	5/1/2012	2/25/2013	2/25/2013	N	N	N	2,032	2,032	347,625	347,625		N/A		N	Hinkley-Kern-Kern County
347	Capital	Base	Y	27246	30921689	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	137C MP 8.44 INSTALL FIRE VALVE	Close-Out	11/5/2012	6/22/2015	7/18/2015	9/17/2015	N	N	N	2,455	10,508	478,101	478,101		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
348	Capital	Base	Y	27247	30921691	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	GT 137B MP 7.35 INSTALL FIRE VALVE	Close-Out	11/5/2012	8/18/2014	1/27/2015	10/6/2014	N	N	N	5,143	10,238	779,468	779,468		Y		N	Local Trans-north-North Coast-eureka-Humboldt Coun
349	Capital	Base	Y	27347	30925551	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-400 MLV 164.4 36IN VALVE REPLACEMENT	Close-Out	6/1/2012	6/1/2012	7/26/2016	7/26/2016	N	N	Y	1,905	3,668	42,830	4,172,830		N		N	Willows-North Valley-Glenn County
350	Capital	Base	Y	27430	30927064	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-164 AMADOR STATION- LEAK REPAIRS	Close-Out	5/1/2012	5/1/2012	11/8/2012	11/8/2012	N	N	N	4,694	13,347	369,896	379,896		N/A		N	Local Trans-south-Fresno-Fresno County
351	Capital	Base	Y	27434	30927073	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	GCUST5767 REBUILD METER SET	Close-Out	6/1/2012	6/1/2012	12/19/2012	12/19/2012	N	N	N	7,721	10,815	525,504	525,504		N/A		N	Local Trans-north-Sac-vacadixon-Solano County
352	Capital	Base	Y	27461	30933793	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	0817-01 MP 0.468 - 1.30 REPLACEMENT 4000	Close-Out	6/25/2012	12/26/2012	6/18/2013	5/20/2013	N	N	N	282	365	5,828,062	5,838,062		N		N	Local Trans-south-San Jose-Santa Clara County
353	Capital	Base	Y	27485	30929832	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	1305-01_8.42_REMOVE DRIP	Close-Out	6/1/2012	6/1/2012	7/10/2016	7/10/2016	N	N	Y	3,773	7,410	100,423	800,423		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
354	Capital	Base	Y	27514	30933788	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	L-177A MP 60.6 EXPOSED PIPE	Close-Out	6/25/2012	8/1/2012	7/15/2016	7/15/2016	N	N	Y	7,471	14,671	198,821	598,060		N/A		N	Local Trans-north-North Valley-Tehama County
355	Capital	Base	Y	27537	30966196	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	3008-01 MP 7.65 RETR VLVS C-44/40	Construction	12/1/2012	12/1/2012	9/28/2019	9/28/2019	N	Y	N	6 213	12 201	165 354	515 354		N		N	Local Trans-north-Diablo-Contra Costa County
356	Capital	Base	Y	27563	30930681	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	1502-01 MP1.84 - MP3.6 DEACTIVATION	Close-Out	8/13/2012	7/17/2013	10/11/2013	10/4/2013	N	N	N	4,711	9,173	814,795	824,797		N		N	Local Trans-north-Sierra-Yuba County
357	Capital	Base	Y	27574	30931793	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-132 SSF MP 43.63-MLV[redacted]	Close-Out	1/12/2011	1/6/2015	6/17/2015	4/27/2015	N	N	N	26,814	94,657	6,059,826	6,089,826		N/A		N	Local Trans-south-Peninsula-San Mateo County
358	Capital	Base	Y	27662	30933204	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	DFM 7228-09 MP 0.38-1.82 R-DRESSER COUPL	Close-Out	6/1/2012	6/1/2012	12/31/2012	12/31/2012	N	N	N	4,373	19,832	632,655	632,655		N		N	Local Trans-south-Yosemite-Stanislaus County
359	Capital	Base	Y	27676	30932717	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	GT R-387 DREG14523 MP 0 - 0.17 NEW 4"" PI	Close-Out	7/11/2012	5/19/2014	6/26/2014	6/23/2014	N	N	N	10 133	13 406	1 773 855	1 773 855		N/A		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
360	Capital	Base	Y	27678	30933444	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM-7219-01 T-173-12 CAPITAL MP 0.97-2.3	Close-Out	6/22/2012	7/1/2012	10/31/2012	10/31/2012	N	N	N	2,243	2,243	668,129	668,129		N/A		N	Local Trans-south-Yosemite-Stanislaus County
361	Capital	Base	Y	27689	30937564	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	L-402 DREG 5476 EXPOSED PIPE AND CASING	Construction	7/1/2012	7/1/2012	8/11/2017	8/11/2017	N	Y	N	5,947	11,679	158,270	558,270		N/A		N	Local Trans-north-North Valley-Shasta County
362	Capital	Base	Y	27839	30939480	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	DFM 7228-16 MP 2.16-5.83 REM COUPLERS	Close-Out	7/1/2012	7/1/2012	11/22/2013	11/22/2013	N	N	N	11,445	16,379	663,011	663,011		N		N	Local Trans-south-Yosemite-Stanislaus County
363	Capital	Base	Y	27858	31036277	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	LAS VINAS STA REGULATOR AND MONITOR REPL	Estimation	2/20/2014	6/12/2017	8/1/2017	7/14/2017	N	Y	N	550 658	1 075 345	1 487 482	3 987 418		N		N	Rio Vista-Solano County
364	Capital	Base	Y	27895	30941811	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	L-118A MP 78.57 REDUCED COVER	Close-Out	8/1/2012	8/1/2012	10/10/2012	10/10/2012	N	N	N	4,455	4,455	390,376	390,376		N		N	Local Trans-south-Yosemite-merced-Stanislaus Count
365	Capital	Base	Y	27947	30941510	75	GT Pipeline Reliabil	75T		5510459-GSM, CORROSION ENGINEERING	R-408 300B MP 147.70 TO 147.85 34IN PIPE	Engineering/Perm tting	8/1/2012	4/3/2017	6/20/2017	5/20/2017	N	Y	N	130,167	266,281	1,302,508	1,398,508		N		N	Hinkley-Kern-San Bernardino County
366	Capital	Base	Y	28092	30948584	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	1816-01 MP17.83 POTHOLE/POSS LOWER 10""	Engineering/Perm tting	6/10/2013	5/7/2018	7/20/2018	6/21/2018	N	Y	N	65,472	83,842	150,924	1,216,376		N		N	Local Trans-south-Central Coast-Santa Cruz County
367	Capital	Base	Y	28113	30946839	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	3022-01 MP 0.0-0.51 RETIRE	Close-Out	9/1/2012	9/1/2012	4/22/2016	4/22/2016	N	N	N	1,687	3,313	44,903	544,903		N		N	Local Trans-north-Diablo-Contra Costa County
368	Capital	Base	Y	28132	30949153	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	L-151 MP 7.72 EXPOSED SPAN	Close-Out	9/1/2012	9/1/2012	7/18/2016	7/18/2016	N	N	Y	4,054	7,961	107,888	502,888		N		N	Local Trans-north-North Valley-Butte County
369	Capital	Base	Y	28168	30950574	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-57B TILT METER REPLACEMENT	Close-Out	9/1/2012	9/1/2012	11/1/2013	11/1/2013	N	N	N	2,365	2,365	692,229	702,229		N/A		N	Mcdonald Island-Diablo-San Joaquin County
370	Capital	Base	Y	28202	30949583	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-153 TIM-020-12 MP 25.11 TO MP 27.88	Close-Out	9/1/2012	9/1/2012	12/12/2012	12/12/2012	N	N	N	29	12,423	1,102,999	1,102,999		Y		N	Tracy-East Bay-south-Alameda County
371	Capital	Base	Y	28227	30960541	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	2-177A-3 MP28.34 TO 29.87 DEACTIVATION	Close-Out	12/1/2012	12/1/2012	8/22/2016	8/22/2016	N	N	Y	1,973	3,874	52,497	346,220		N/A		N	Local Trans-north-North Valley-Tehama County
372	Capital	Base	Y	28336	30976114	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-174 MP 32.03 REMOVE V-C & REPLACE V-D	Close-Out	5/21/2013	11/9/2015	12/10/2015	12/14/2015	N	N	N	16,714	44,055	837,234	837,234		N/A		N	Meridian-North Valley-Colusa County
373	Capital	Base	Y	28341	30974692	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L128 REMOVE MLV 1.65	Construction	2/12/2013	3/1/2013	6/2/2017	6/2/2017	N	Y	N	747	1,468	19,892	369,792		N		N	Meridian-North Valley-Sutter County
374	Capital	Base	Y	28344	30956751	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	L-57B EXPOSED PIPE LOWERING	Close-Out	10/1/2012	10/1/2012	4/25/2016	4/25/2016	N	N	N	89	175	2,369	1,802,369		N/A		N	Mcdonald Island-San Joaquin County
375	Capital	Base	Y	28349	30976243	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-302E REPLACE MLV 22.90	Close-Out	6/18/2013	11/23/2015	12/21/2015	12/11/2015	N	N	N	-91,390	-48,938	1,013,157	1,013,157		N/A		N	Meridian-North Valley-Sutter County
376	Capital	Base	Y	28427	30961654	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-400 MLV 180.8 36IN VALVE REPLACEMENT	Close-Out	11/1/2012	11/1/2012	7/8/2016	7/8/2016	N	N	Y	435	854	11,570	4,246,570		N/A		N	Willows-North Valley-Glenn County
377	Capital	Base	Y	28428	30961656	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-400 MLV 16.26 36"" VALVE REPLACEMENT	Close-Out	1/7/2013	10/7/2015	12/4/2015	11/12/2015	N	N	N	-47,285	30,846	3,023,490	3,023,490		N		N	Burney-North Valley-Modoc County
378	Capital	Base	Y	28429	30961721	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-400 MLV 97.66 36"" VALVE REPLACEMENT	Close-Out	11/1/2012	11/1/2012	9/30/2016	9/30/2016	N	N	Y	399	783	10,610	7,599,258		N/A		N	Burney-North Valley-Shasta County
379	Capital	Base	Y	28436	30976991	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	FELL REG STATION OPP INSTALLATION	Close-Out	3/1/2013	11/17/2014	11/2/2015	7/30/2015	N	N	N	29,811	111,808	5,497,851	5,517,906		N		N	Meridian-North Valley-Butte County
380	Capital	Base	Y	28452	30955891	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM CORROSION ENGINEERING	L-300B MP 152.46 BRIDLE REPLC BARSTOW C	Close-Out	10/1/2012	10/1/2012	10/15/2013	10/15/2013	N	N	N	5 081	367	842 170	852 170		N/A		N	Hinkley-Kern-bakersfield-San Bernardino County
381	Capital	Base	Y	28466	30956954	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	DCUST1418 RETIRE 80 OF 2"" PIPE	Close-Out	10/1/2012	10/1/2012	7/23/2016	7/23/2016	N	N	Y	849	1,667	22,596	252,596		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
382	Capital	Base	Y	29067	30959335	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-153 REPL 0.12MI MP 3.45-3.58	Construction	3/1/2014	10/3/2016	4/3/2017	3/23/2017	N	Y	N	2,569,471	2,965,392	3,584,008	5,909,187		N/A		N	Local Trans-north-Mission-Alameda County
383	Capital	Base	Y	29100	74008389	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-131 MP-32.29 RPLC 500 FT OF 24-IN HDD	Construction	12/1/2016	12/1/2016	8/22/2017	8/22/2017	Y	N	N	1,959	1,959	1,959	2,001,959		N		N	Tracy-Mission-Alameda County
384	Capital	Base	Y	29104	74004060	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM CORROSION ENGINEERING	L-215 MP7.16 EXPOSED SPAN SAN JOAQUIN R	Estimation	6/18/2013	5/18/2019	11/7/2019	10/7/2019	N	Y	N	6 150	124 099	124 099	16 212 885		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
385	Capital	Base	Y	29165	30962282	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	GT RT-093 L302-095 MP 0.0 REPLACE REDUCE	Close-Out	11/27/2012	10/20/2014	11/24/2014	12/9/2014	N	N	N	3,392	3,392	387,158	387,158		N/A		N	Meridian-North Valley-Colusa County
386	Capital	Base	Y	29215	30970181	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-159 L-116 MP 0.03-3.86 DEACTIVATE 8""	Close-Out	2/4/2013	11/14/2013	7/3/2014	12/2/2013	N	N	N	6,988	5,613	1,926,500	1,936,500		Y		N	Local Trans-north-Sacramento-Sacramento County
387	Capital	Base	Y	29299	P.04393	75	GT Pipeline Reliabil	75A	Cathodic Protection	5757292-31002028 - INTEGRITY INSPECTIONS & CTS I	Casing Remediation Cap	Close-Out	3/26/2012	12/1/2012	2/21/2014	2/21/2014	N	N	N	-47,388	-32,738	2,771,183	2,771,183		N/A		N	Local Trans-north-Sacramento-Sacramento County
388	Capital	Base	Y	29423	30970383	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	GT RT-094 L302-096 MP 0.45 REPLACE REDUC	Close-Out	1/1/2013	10/20/2014	11/24/2014	12/9/2014	N	N	N	3 435	3 435	302 163	302 163		N/A		N	Meridian-North Valley-Colusa County
389	Capital	Base	Y	29482	30974250	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	DFM 1306-01 MP3.56 HDD LEVERONI RD BRIDG	Close-Out	6/18/2013	8/22/2016	10/17/2016	9/20/2016	N	N	Y	1,520,161	1,721,110	1,990,000	2,182,000		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
390	Capital	Base	Y	29518	74004020	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	R-469 DFM 1615-01 MP7.16 REMOVE DEACTIVA	Close-Out	6/18/2013	3/1/2016	9/29/2016	9/29/2016	N	N	Y	124,332	291,888	291,888	1,214,365		N/A		N	Tracy-Yosemite-San Joaquin County
391	Capital	Base	Y	29529	74004062	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	R-409 L-400 MP 141.7 REPLACE EXPOSED PIP	Estimation	6/3/2013	4/27/2018	9/26/2018	9/3/2018	N	Y	N	179,154	467,423	467,423	10,654,662		N		N	Willows-North Valley-Tehama County
392	Capital	Base	Y	29685	30976656	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L1305-01 MP1.43 STUB6131 REMOVAL	Close-Out	2/1/2013	2/1/2013	5/19/2016	5/19/2016	N	N	N	-2 477	-2 384				N		N	Local Trans-north-North Coast-eureka-Sonoma County
393	Capital	Base	Y	29746	30974638	75	GT Pipeline Reliabil	75L	Fault Crossings	5510459-GSM, CORROSION ENGINEERING	L310 FAULT CROSSING MITIGATION	Close-Out	4/1/2013	4/1/2013	11/26/2013	11/26/2013	N	N	N	1,864	1,864	642,205	652,207		N		N	Milpitas/hollister-Central Coast-San Benito County
394	Capital	Base	Y	29760	30987153	75	GT Pipeline Reliabil	75J	Geohazards	5510459-GSM, CORROSION ENGINEERING	L-300A MP 0.69 SPAN SUPPORT EROSION PROT	Construction	4/1/2013	4/1/2013	1/25/2017	1/25/2017	N	Y	N	3,834	5,205	37,690	1,017,690		Y		N	Topock-San Bernardino County
395	Capital	Base	Y	29797	30977175	75	GT Pipeline Reliabil	75L	Fault Crossings	5510459-GSM, CORROSION ENGINEERING	R-326 L21A FAULT CROSSING MITIGATION	Close-Out	2/11/2013	6/8/2015	7/31/2015	8/14/2015	N	N	N	-843	61,549	1,984,409	1,984,409		N		N	Local Trans-north-North Coast-santa Rosa-Napa Coun
396	Capital	Base	Y	29853	31016861	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-132 MP 46.92 REPL V-754 SUNNYDALE SF	Close-Out	1/8/2015	4/20/2016	9/21/2016	5/31/2016	N	N	Y	425,945	1,460,494	1,513,829	1,523,829		N/A		N	Local Trans-south-San Francisco-San Francisco Coun
397	Capital	Base	Y	29857	31016862	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	GCUST5813 MP 1.08 REMOVE V-50-H4AB	Close-Out	7/9/2015	5/23/2016	6/20/2016	6/6/2016	N	N	N	17,844	518,528	584,864	594,864		N/A		N	Local Trans-south-De Anza-Santa Clara County
398	Capital	Base	Y	29870	31016865	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-109 MP 51.69 RELOCATE BLOWDDOWN STACK	Close-Out	12/1/2014	12/1/2014	9/1/2016	9/1/2016	N	N	Y	11	22	294	500,294		Y		N	Local Trans-south-San Francisco-San Francisco Coun
399	Capital	Base	Y	29880	30983250	75	GT Pipeline Reliabil	75J	Geohazards	5510459-GSM, CORROSION ENGINEERING	R-412 L-177A MP 68.96, EMBANKMENT EROSIO	Close-Out	3/1/2013	3/1/2013	7/19/2016	7/19/2016	N	N	Y	3,983	5,949	41,553	341,608		N		N	Local Trans-north-North Valley-Tehama County
400	Capital	Base	Y	29965	30983247	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	R-413 L-177A MP 94.28 EXPOSED PIPELINE	Close-Out	3/1/2013	3/1/2013	7/6/2016	7/6/2016	N	N	Y	1,713	3,364	45,620	354,217		N/A		N	Local Trans-north-North Valley-Trinity County
401	Capital	Base	Y	29967	74004055	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	R-319 L-314 MP 26.6 LOWER PIPELINE (RT)	Estimation	3/1/2013	8/15/2017	2/5/2018	1/11/2018	N	Y	N	59,410	255,293	255,293	1,900,615		N		N	Hinkley-Kern-San Bernardino County
402	Capital	Base	Y	30013	31017634	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	NSUGH REPLACE V-134, 134R, 132 AND 136	Engineering/Permitting	1/14/2015	8/1/2017	11/7/2017	10/13/2017	N	Y	N	333,628	738,237	986,138	2,685,787		N/A		N	Local Trans-north-Sacramento-Sacramento County
403	Capital	Base	Y	30040	31084217	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	BRENTWOOD TERMINAL GROUNDING	Close-Out	6/27/2013	9/14/2015	11/3/2015	11/4/2015	N	N	N	9,397	14,414	496,089	506,570		N/A		N	Tracy-Contra Costa County
404	Capital	Base	Y	30041	30983241	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	RIDGECREST TRS & DREG 5496-RPLC OF VLVS	Close-Out	3/12/2013	3/24/2014	6/21/2014	10/3/2014	N	N	N	3,132	6,570	585,859	585,859		N		N	Local Trans-south-Kern-Kern County
405	Capital	Base	Y	30048	30983244	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	1502-11 MP0.00-0.69 AND MP1.09-1.38 REPL	Construction	3/1/2013	3/1/2013	6/4/2017	6/4/2017	N	Y	N	571	1 120	15 183	615 183		N		N	Local Trans-north-Sierra-Yuba County
406	Capital	Base	Y	30085	31017178	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	L126A MP2.61 REMEDIATE PIPE SPAN	Close-Out	9/1/2013	9/1/2013	7/1/2016	7/1/2016	N	N	Y	53	952	1,408	801,408		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
407	Capital	Base	Y	30144	31017173	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	GT 0405-02 MP1.98 REPLACE V-98 INLET TO	Close-Out	6/2/2014	11/17/2014	12/19/2014	12/30/2014	N	N	N	4,419	7,465	353,904	353,904		N		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
408	Capital	Base	Y	30224	31064146	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	EAST BAY SCADA REMOTE REPLACEMENT	Engineering/Permitting	3/9/2015	9/4/2018	11/13/2018	10/19/2018	N	Y	N	63,445	100,313	238,387	545,700		N/A		N	Local Trans-north-East Bay-north-Contra Costa Coun

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
409	Capital	Base	Y	30230	31017635	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	CREED INSTALL OPP FOR M-2	Close-Out	9/2/2013	7/27/2015	12/19/2015	11/19/2015	N	N	N	2,852	18,262	1,228,922	1,228,922		N/A		N	Rio Vista-Sac-vacadixon-Solano County
410	Capital	Base	Y	30237	74000781	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-109 MP 46.00-48.21 REPLACE 26"""" LINER	Engineering/Permitting	3/1/2014	2/16/2017	9/19/2017	8/19/2017	N	Y	N	1,088,379	1,409,203	2,691,515	54,876,515		Y		N	Local Trans-south-San Francisco-San Francisco Coun
411	Capital	Base	Y	30292	31017247	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	*CANC*3017-01 INST PIPEBLOW-DOWNS	Close-Out	9/1/2013	9/1/2013	11/4/2016	11/4/2016	N	N	Y	-192	-185				N/A		N	Local Trans-north-Diablo-Contra Costa County
412	Capital	Base	Y	30341	30992907	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0821-02 MP 1.37 REPLACE V14-F2D-F2C BD	Close-Out	5/1/2013	2/16/2016	3/15/2016	3/1/2016	N	N	N	-21,925	686,156	723,431	733,431		N		N	Milpitas/hollister-San Jose-Santa Clara County
413	Capital	Base	Y	30373	30993352	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-400 MP 204.01 V-1 REPLACEMENT	Close-Out	3/17/2014	3/12/2015	6/30/2015	6/23/2015	N	N	N	9,439	23,691	735,005	735,005		N		N	Willows-Sacramento-Colusa County
414	Capital	Base	Y	30503	30994888	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	0613-09 MP 0.00-0.04 LEAK REPAIR	Close-Out	5/1/2013	6/17/2013	8/20/2013	10/21/2013	N	N	N	1,952	8,910	765,275	775,277		N		N	Local Trans-north-Sacramento-Sacramento County
415	Capital	Base	Y	30582	74004046	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM CORROSION ENGINEERING	L-119A 119A-1 MP 11.17-11.34 RET RIVER	Construction	3/1/2014	3/1/2016	12/28/2018	12/28/2018	N	Y	N	23 237	120 031	120 031	852 875		N		N	Local Trans-north-Sacramento-Yolo County
416	Capital	Base	Y	30621	30999268	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-130 MP 0.00 SAC RIVER RELOCATION	Construction	5/1/2013	5/1/2013	11/28/2019	11/28/2019	N	Y	N	15,282	30,011	406,709	5,686,709		N		N	Rio Vista-Sacramento-Solano County
417	Capital	Base	Y	30653	31060771	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG5645 MP-0.29 RPLC 4-IN VALVE	Close-Out	3/1/2014	8/31/2015	9/25/2015	9/25/2015	N	N	N	2,641	26,011	278,866	278,866		N/A		N	Local Trans-north-East Bay-north-Contra Costa Coun
418	Capital	Base	Y	30666	74004067	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	*CANC*R-398 L-177A MP30.70-30.87 PIPE RE	Close-Out	3/1/2014	3/1/2016	1/29/2017	6/15/2018	N	Y	N	-77,439					N/A		N	Local Trans-north-North Valley-Tehama County
419	Capital	Base	Y	30669	31099798	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-313 MP 12.63 REPLACE V-A & V-B	Close-Out	11/26/2014	12/7/2015	2/10/2016	1/18/2016	N	N	N	32 022	805 156	1 609 042	1 619 042		N		N	Hinkley-Kern-San Bernardino County
420	Capital	Base	Y	30671	31099941	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	313 MP 28.26 REMOVE V-1	Close-Out	10/1/2014	10/1/2014	4/23/2016	4/23/2016	N	N	N	2,163	2,356	7,303	688,189		N/A		N	Hinkley-San Bernardino County
421	Capital	Base	Y	30720	31100134	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	GRANT SCHOOL RD_R-069_STATION REBUILD	Estimation	1/4/2016	10/1/2018	12/28/2018	11/28/2018	N	Y	N	16,768	63,873	63,873	3,404,282		N		N	Local Trans-north-North Coast-ukiah-Sonoma County
422	Capital	Base	Y	30759	31237074	75	GT Pipeline Reliabil	75T		5510459-GSM, CORROSION ENGINEERING	RT-823 L137C_8.30_RELOCATE PIPE	Close-Out	5/4/2016	11/7/2016	12/2/2016	12/1/2016	N	N	Y	256,968	281,490	281,490	329,490		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
423	Capital	Base	Y	30778	31000526	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-109 MP 9.98 REMOVE V-10 SIERRA VISTA	Close-Out	7/1/2011	7/7/2014	4/1/2015	9/2/2015	N	N	N			289,256	289,256		N/A		N	Local Trans-south-De Anza-Santa Clara County
424	Capital	Base	Y	30788	31025927	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	TESORO METER STA RPLC REGS & FILTER	Engineering/Permitting	5/27/2014	4/16/2018	8/4/2018	7/18/2018	N	Y	N	113,942	241,268	559,898	2,173,195		N/A		N	Local Trans-north-Diablo-Contra Costa County
425	Capital	Base	Y	30809	31060773	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM, CORROSION ENGINEERING	R-459 L-300B MP 144.24 AND MP 144.71 CCC	Close-Out	3/1/2014	3/1/2014	5/31/2016	5/31/2016	N	N	N	19,352	198,664	648,398	658,398		N		N	Hinkley-Kern-San Bernardino County
426	Capital	Base	Y	30815	31099943	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM-0405-01 MP 23.95 REPL VALVE CLUSTER	Estimation	11/12/2014	4/3/2017	5/8/2017	4/21/2017	N	Y	N	173,405	437,206	480,371	490,344		N/A		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
427	Capital	Base	Y	30845	31002028	75	GT Pipeline Reliabil	75A	Cathodic Protection	5757292-31002028 - INTEGRITY INSPECTIONS & CTS I	INTEGRITY INSPECTIONS & CTS INSTALLATION	Close-Out	6/14/2013	9/30/2013	11/13/2013	11/15/2013	N	N	N	2,883	6,995	423,414	423,414		N/A		N	Willows-Sacramento-Sacramento County
428	Capital	Base	Y	30850	31017729	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-121MP 2.02 MLV REMOVAL	Close-Out	8/28/2013	3/14/2016	6/30/2016	4/26/2016	N	N	N	66,308	279,238	326,487	326,487		N/A		N	Local Trans-north-Sierra-Sutter County
429	Capital	Base	Y	30857	74004051	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-675 L-402 MP 34.97 EXPOSED PIPER-675 L	Construction	1/7/2016	3/1/2016	8/30/2017	8/30/2017	N	Y	N	-198,301	47,581	47,581	3,081,342		N		N	Local Trans-north-North Valley-Shasta County
430	Capital	Base	Y	30961	31042579	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	R-391 L-196 MP 0.886 - 0.9445 REMOVE PIP	Close-Out	12/1/2013	12/1/2013	5/18/2015	5/18/2015	N	N	N	84	-41,342	1,024,853	1,034,853		N		N	Rio Vista-Sac-vacadixon-San Joaquin County
431	Capital	Base	Y	30962	31152669	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	L131 MP7.39-8.12 REPLACE SAN JOAQUIN RVR	Engineering/Permitting	6/1/2015	6/1/2015	9/30/2017	9/30/2017	N	Y	N	286	1,642	3,500	1,043,503		N		N	Rio Vista-Sac-vacadixon-Contra Costa County
432	Capital	Base	Y	31030	31029511	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	MILPITAS ADD VOLUME BOOSTERS TO MONITORS	Close-Out	1/13/2014	3/23/2015	6/18/2015	4/3/2015	N	N	N	15 740	27 313	537 097	537 097		N/A		N	Milpitas/hollister-Central Coast-Santa Clara Count
433	Capital	Base	Y	31112	31004778	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	191-1 MP XX LOWERING MAIN (CAPITAL)	Close-Out	6/11/2013	6/15/2015	7/31/2015	7/28/2015	N	N	N	4,179	52,222	3,197,498	3,370,298		N/A		N	Local Trans-north-Diablo-Contra Costa County
434	Capital	Base	Y	31239	31129912	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	20TH AVE & MLK_L108_INSTALL VALVES	Estimation	2/2/2015	7/10/2018	9/18/2018	8/24/2018	N	Y	N	279,856	382,540	582,974	4,307,752		N		N	Local Trans-north-Sacramento-Sacramento County
435	Capital	Base	Y	31297	P.05339	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-021C REPL 0.90MI 50.51-51.41 WBS	Close-Out	12/6/2012	10/7/2013	4/8/2014	2/3/2014	N	N	N	10,920	10,944	7,906,423	7,916,423		N/A		N	Systemwide-Systemwide-Sonoma County
436	Capital	Base	Y	31338	31010124	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	DRIP7975 REMOVE MP 0.00-0.01	Close-Out	7/30/2013	8/1/2013	11/8/2013	11/8/2013	N	N	N	3 025	4 901	1 376 280	1 376 280		N/A		N	Local Trans-north-Diablo-Contra Costa County
437	Capital	Base	Y	31424	74001622	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	1817-01 MP 0.00-1.9 SPREAD 1 & 2	Estimation	1/14/2016	4/16/2018	8/14/2018	7/16/2018	N	Y	N	139,631	195,956	205,201	22,025,535		Y		N	Local Trans-south-Central Coast-Santa Cruz County
438	Capital	Base	Y	31497	31015147	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFDS3596 V-235 & 0206-01 V-236 REPLACE	Close-Out	8/1/2013	8/1/2013	2/4/2014	2/4/2014	N	N	N	4,579	10,477	447,264	452,264		N/A		N	Local Trans-south-Peninsula-San Mateo County
439	Capital	Base	Y	31527	31021267	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	2002-01 MP 2.9 VLV REPLACEMENT	Close-Out	9/17/2013	2/3/2014	3/4/2014	3/26/2014	N	N	N	3,777	3,968	490,428	490,428		N/A		N	Local Trans-north-Diablo-Contra Costa County
440	Capital	Base	Y	31578	31093271	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	GRAPEWAY C-06 REPLACEPRESSURERECORDER	Engineering/Perm tting	8/18/2014	8/11/2017	10/26/2017	9/27/2017	N	Y	N	6 771	44 010	68 643	967 415		N/A		N	Local Trans-north-North Valley-Butte County
441	Capital	Base	Y	31602	31074589	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L-105A MP 44.54 PH2	Close-Out	9/15/2014	6/18/2015	8/21/2015	9/3/2015	N	N	N	788	2,844	855,065	855,065		N/A	2015	N	Local Trans-north-East Bay-north-Contra Costa Coun
442	Capital	Base	Y	31603	31074590	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L105N MP 10.11 TIMBER PH2	Close-Out	10/16/2014	10/12/2015	12/18/2015	12/3/2015	N	N	N	16,007	21,140	1,259,560	1,259,560		N/A	2015	N	Local Trans-north-Mission-Alameda County
443	Capital	Base	Y	31604	31047725	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-203 L-153 MP 3.58 THORNTON	Engineering/Perm tting	5/20/2015	5/8/2017	7/6/2017	6/19/2017	N	Y	N	275,200	313,167	514,917	1,984,917		N/A	2015	N	Local Trans-north-Mission-Alameda County
444	Capital	Base	Y	31606	31074591	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - ALVARADO CROSSOVER PH2	Close-Out	10/30/2014	7/13/2015	12/18/2015	10/19/2015	N	N	N	-6,375	218,225	2,573,635	2,573,635		N/A	2015	N	Local Trans-north-Mission-Alameda County
445	Capital	Base	Y	31607	31047726	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - ROUSSEAU PH2	Engineering/Permitting	8/5/2015	6/21/2017	8/18/2017	8/2/2017	N	Y	N	51,408	124,201	384,745	2,782,829		N/A		N	Local Trans-south-San Francisco-San Francisco Coun
446	Capital	Base	Y	31620	31074592	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-206 - L-103 MP 17.98 OLD STAGE RD	Close-Out	9/3/2015	7/11/2016	12/5/2016	12/15/2016	N	N	Y	3,098,245	3,473,393	3,778,929	3,827,829		N	2015	N	Local Trans-south-Central Coast-Santa Clara County
447	Capital	Base	Y	31622	31074593	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-207 L103 MP 23.55 CALIFORNIA ST	Engineering/Permitting	2/2/2015	4/20/2018	5/23/2018	5/7/2018	N	Y	N	65,035	145,837	204,877	939,877		Y	2015	N	Local Trans-south-Central Coast-Santa Clara County
448	Capital	Base	Y	31623	31074594	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-208 L-021D MP24.5[redacted]	Close-Out	10/7/2014	8/31/2015	2/2/2016	2/3/2016	N	N	N	-317,529	-168,692	4,317,924	4,317,924		N/A	2015	N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
449	Capital	Base	Y	31624	31074595	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-209 VALVE AUTO-MADRONE L-021D MP31.	Close-Out	10/1/2014	4/6/2015	12/14/2015	6/29/2015	N	N	N	6,759	33,944	1,790,899	1,790,899		N/A	2015	N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
450	Capital	Base	Y	31625	31074596	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-210 L-021C MP 51.14 MONROE	Construction	10/8/2014	3/18/2015	1/27/2017	6/2/2015	N	Y	N	177,089	212,411	1,722,153	1,900,404		N	2015	N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
451	Capital	Base	Y	31626	31074597	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-211 L-1198 MP 0 NORTH SACRAMENTO HOLDR	Estimation	10/30/2015	8/1/2017	10/31/2017	10/13/2017	N	Y	N	85,662	98,510	103,211	152,254		Y	2015	N	Local Trans-north-Sacramento-Sacramento County
452	Capital	Base	Y	31627	31074856	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-212 L-123 MP 0.00 ANTELOPE	Estimation	1/7/2016	6/23/2017	8/21/2017	8/4/2017	N	Y	N	90,983	113,669	119,256	4,235,425		Y	2015	N	Local Trans-north-Sacramento-Sacramento County
453	Capital	Base	Y	31628	31074919	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L119B MP 3.14 HUDSON	Construction	5/1/2014	5/1/2014	7/8/2017	7/8/2017	N	Y	N	87,846	105,246	109,943	364,511		N/A	2015	N	Local Trans-north-Sacramento-Sacramento County
454	Capital	Base	Y	31629	74002522	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-214 L-402 MP9.96 [redacted])	Close-Out	2/18/2015	3/14/2016	11/21/2016	10/4/2016	N	N	Y	-294,890	2,167,967	2,167,967	2,216,968		N/A	2015	N	Local Trans-north-North Valley-Shasta County
455	Capital	Base	Y	31630	74002524	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-216 L-402 MP21.71(REDDING METER & REG)	Close-Out	2/16/2015	3/23/2016	12/9/2016	12/6/2016	N	N	Y	-1,654,470	1,247,365	1,247,365	1,296,511		N/A	2015	N	Local Trans-north-North Valley-Shasta County
456	Capital	Base	Y	31631	74002525	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-217 L-402MP28.48[redacted])	Close-Out	1/9/2015	4/20/2016	11/11/2016	11/8/2016	N	N	Y	1,667,100	2,747,819	2,747,819	2,796,819		N/A	2015	N	Local Trans-north-North Valley-Shasta County
457	Capital	Base	Y	31635	74002526	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	V-218 L-402 MP32.96(VIRGINIAAVE STATION)	Close-Out	2/18/2015	5/20/2016	11/12/2016	12/13/2016	N	N	Y	502 748	1 853 275	1 853 275	1 902 277		N	2015	N	Local Trans-north-North Valley-Shasta County
458	Capital	Base	Y	31636	31074990	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L300A MP 410.73 PH2	Close-Out	5/1/2014	5/1/2014	11/30/2015	11/30/2015	N	N	N	121	238	3,223	3,223		N	2015	N	Local Trans-south-Central Coast-San Benito County
459	Capital	Base	Y	31637	31074995	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L300A MP 418.88 PH2	Close-Out	5/1/2014	5/1/2014	11/30/2015	11/30/2015	N	N	N	89	174	2,358	2,358		N	2015	N	Local Trans-south-Central Coast-San Benito County
460	Capital	Base	Y	31638	31074997	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L300B MP 410.87 PH2	Close-Out	5/1/2014	5/1/2014	11/30/2015	11/30/2015	N	N	N	175	344	4,656	4,656		N	2015	N	Local Trans-south-Central Coast-San Benito County
461	Capital	Base	Y	31639	31075101	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	VALVE AUTO - L300B MP 419.10 PH2	Close-Out	5/1/2014	5/1/2014	11/30/2015	11/30/2015	N	N	N	274	537	7 283	7 283		N	2015	N	Local Trans-south-Central Coast-San Benito County
462	Capital	Base	Y	31640	31075492	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - FLOW METERS PH2	Close-Out	5/1/2014	5/1/2014	11/30/2015	11/30/2015	N	N	N	67	132	1,791	1,791		N/A	2015	N	Systemwide-Systemwide-San Luis Obispo County
463	Capital	Base	Y	31644	31101193	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-227 L-300A HOLLISTER	Engineering/Perm tting	3/19/2014	3/6/2017	11/27/2017	11/8/2017	N	Y	N	265,652	285,185	304,283	2,264,283		N/A	2015	N	Local Trans-south-Central Coast-Santa Clara County
464	Capital	Base	Y	31645	31137058	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L300B MP 470.38B PH2	Close-Out	12/23/2013	3/1/2015	6/30/2016	6/30/2016	N	N	N	42	83	1,131	1,131		N/A	2015	N	Local Trans-south-San Jose-Santa Clara County
465	Capital	Base	Y	31646	31137059	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	VALVE AUTO - L300A MP 468.19A PH2	Close-Out	12/23/2013	3/1/2015	6/30/2016	6/30/2016	N	N	N	40	79	1 076	1 076		N/A	2015	N	Local Trans-south-Central Coast-San Bernardino Cou
466	Capital	Base	Y	31647	31136653	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	VALVE AUTO - L300A MP 455.16A PH2	Close-Out	12/23/2013	3/1/2015	6/30/2016	6/30/2016	N	N	N	155	305	4,128	4,128		N/A	2015	N	Local Trans-south-Central Coast-San Benito County
467	Capital	Base	Y	31648	31136654	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L300B MP 455.20B PH2	Close-Out	12/23/2013	3/1/2015	6/30/2016	6/30/2016	N	N	N	93	182	2,467	2,467		N/A	2015	N	Local Trans-south-Central Coast-San Benito County
468	Capital	Base	Y	31649	31137116	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L300A MP 445.32A PH2	Close-Out	12/23/2013	3/1/2015	6/30/2016	6/30/2016	N	N	N	43	84	1,140	1,140		N/A	2015	N	Local Trans-south-Central Coast-San Benito County
469	Capital	Base	Y	31650	31137117	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-233 L-119B MP 3.0 ROSEVILLE ROAD REG	Close-Out	4/20/2015	3/7/2016	8/26/2016	10/17/2016	N	N	Y	676,293	3,296,000	3,563,247	3,563,247		N/A		N	Local Trans-north-Sacramento-Sacramento County
470	Capital	Base	Y	31651	31101194	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-234 L-173 MP 5.49 ROCKLIN REG STATION	Estimation	4/20/2015	3/20/2017	6/5/2017	5/17/2017	N	Y	N	126,892	304,303	628,293	817,455		N/A	2015	N	Local Trans-north-Sierra-Placer County
471	Capital	Base	Y	31652	31137062	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-235 L-123MP6.50 & L-173MP0.0 BLUE OAKS	Engineering/Perm tting	4/20/2015	10/28/2017	12/29/2017	12/12/2017	N	Y	N	50,387	84,805	231,955	516,356		N		N	Local Trans-north-Sierra-Placer County
472	Capital	Base	Y	31653	31086859	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-236 VALVE AUTO - L021E MP 108.06 PH2	Close-Out	1/6/2015	7/23/2015	11/20/2015	11/19/2015	N	N	N	16,594	-31,557	1,562,193	1,562,193		N/A	2015	N	Local Trans-north-North Coast-eureka-Mendocino Cou
473	Capital	Base	Y	31654	31086889	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-237 VALVE AUTO - L021E MP 114.89 PH2	Close-Out	12/19/2014	9/28/2015	12/9/2015	12/4/2015	N	N	N	-103,749	-107,192	1,606,156	1,774,236		N/A	2015	N	Local Trans-north-North Coast-ukiah-Sonoma County
474	Capital	Base	Y	31655	31101195	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-238 L142S MP 4.30 PH2 KERN SC STATION	Close-Out	11/25/2014	10/22/2015	10/21/2016	10/20/2016	N	N	Y	191,651	350,665	1,524,972	1,573,974		N/A	2015	N	Local Trans-south-Kern-Kern County
475	Capital	Base	Y	31656	31101197	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-239 L142N MP 8.59 DOWNING AVE STATION	Close-Out	1/7/2015	5/4/2016	12/26/2016	11/29/2016	N	N	Y	289,313	1,910,231	2,322,095	2,533,793		N/A	2015	N	Local Trans-south-Kern-Kern County
476	Capital	Base	Y	31658	31101198	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-240 L-142N MP 14.05 BAKERSFIELD REG ST	Close-Out	1/7/2015	9/6/2016	12/17/2016	12/22/2016	N	N	Y	-5,869	1,417,499	2,922,339	3,206,617		Y	2015	N	Local Trans-south-Kern-Kern County
477	Capital	Base	Y	31659	31101199	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - SANTA RITA PH2	Close-Out	1/8/2015	8/31/2015	12/25/2015	12/14/2015	N	N	N	-152,161	-99,643	1,472,125	1,660,243		N/A	2015	N	Local Trans-north-Mission-Alameda County
478	Capital	Base	Y	31660	31086694	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-242 VALVE AUTO - L-400 MP 78.00 & L-40	Close-Out	7/1/2014	7/1/2014	11/30/2016	11/30/2016	N	N	Y	142	278	3,767	426,944		N	2015	N	Local Trans-north-North Valley-Shasta County
479	Capital	Base	Y	31662	31101661	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - FLOW METERS PH2	Close-Out	12/23/2013	12/23/2013	11/30/2016	11/30/2016	N	N	Y		175,604	175,604	401,960		N/A	2015	N	Systemwide-Systemwide-Multiple Counties
480	Capital	Base	Y	31664	31101662	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-246 L-021A MP 16.16 STANLY LANE	Estimation	5/18/2015	4/10/2017	7/11/2017	6/22/2017	N	Y	N	333,097	466,003	578,491	2,933,459		N/A	2015	N	Local Trans-north-North Bay-san Rafael-Napa County
481	Capital	Base	Y	31665	31137065	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	10027 - L124A MP 6.15 NORTH DOWD	Engineering/Perm tting	1/4/2016	4/4/2017	6/2/2017	5/16/2017	N	Y	N	233,312	257,009	257,730	1,237,828		N/A		N	Local Trans-north-Sierra-Placer County
482	Capital	Base	Y	31666	31137066	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	V-248 - L124A MP 13.41 SOUTH BEALE ROAD	Engineering/Perm tting	1/4/2016	1/8/2018	3/9/2018	2/21/2018	N	Y	N	66 123	82 004	83 227	3 692 251		N/A		N	Local Trans-north-Sierra-Yuba County
483	Capital	Base	Y	31667	31137067	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	V-249 L124A MP 21.45 GRAND AVE	Engineering/Perm tting	1/4/2016	1/8/2018	3/9/2018	2/21/2018	N	Y	N	81,012	99,624	100,595	4,038,471		N/A		N	Local Trans-north-Sierra-Yuba County
484	Capital	Base	Y	31668	31137068	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-250 - L124A MP 20.64 PASADO RD	Construction	3/1/2015	3/1/2015	3/9/2018	3/9/2018	N	Y	N	-19,946	1,067	2,572	1,147,027		N/A		N	Local Trans-north-Sierra-Yuba County
485	Capital	Base	Y	31669	31137395	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-252 L-123 MP 13.57 LINCOLN JUNCTION	Estimation	1/4/2016	5/17/2017	7/17/2017	6/29/2017	N	Y	N	199,440	219,812	219,957	1,213,836		N/A	2015	N	Local Trans-north-Sierra-Sacramento County
486	Capital	Base	Y	31670	31100835	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	V-253 L-021C/021A MP 31.84 ADOBE	Engineering/Permitting	2/24/2016	10/9/2018	12/6/2018	11/20/2018	N	Y	N	42 279	113 455	113 455	4 458 257		N	2015	N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
487	Capital	Base	Y	31671	31137421	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-254A L-021F MP 13.91 STONE DRIVE	Estimation	5/20/2015	4/3/2017	8/11/2017	7/6/2017	N	Y	N	87,237	289,779	540,565	990,565		N/A	2015	N	Local Trans-north-North Bay-san Rafael-Marin Count
488	Capital	Base	Y	31672	31137422	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-255A L-021G MP 20.90 SAN RAFAEL METER	Close-Out	5/20/2015	4/18/2016	8/3/2016	7/19/2016	N	N	Y	-1,200,923	899,036	1,154,292	1,203,292		N/A	2015	N	Local Trans-north-North Bay-san Rafael-Marin Count
489	Capital	Base	Y	31673	31048322	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-256 L-108 MP 43.49 TURNER ROAD	Close-Out	5/11/2015	7/12/2016	10/22/2016	10/20/2016	N	N	Y	840,893	1,146,873	1,376,536	1,425,536		Y	2015	N	Local Trans-north-Stockton-Solano County
490	Capital	Base	Y	31674	31086698	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	VALVE AUTO - SWINGLE JUNCTION PH2	Estimation	5/5/2015	7/24/2017	9/22/2017	9/6/2017	N	Y	N	19 199	60 460	101 358	2 501 305		N/A	2015	N	Local Trans-north-Sacramento-Sacramento County
491	Capital	Base	Y	31675	31137423	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-258 L-116 MP 9.60 NORTHPORT DR	Estimation	1/7/2016	6/5/2017	8/3/2017	7/18/2017	N	Y	N	256,845	332,539	335,303	1,805,314		Y	2015	N	Local Trans-north-Sacramento-Sacramento County
492	Capital	Base	Y	31676	74000286	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-259 SACRAMENTO LOAD CENTER	Construction	10/1/2015	10/1/2015	9/1/2017	9/1/2017	N	Y	N	12,256	36,174	36,330	2,686,145		N/A	2015	N	Local Trans-north-Sacramento-Sacramento County
493	Capital	Base	Y	31677	31086691	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - L153 MP 22.71 PH2	Close-Out	9/22/2014	4/24/2015	7/31/2015	7/16/2015	N	N	N	1,869	18,207	1,312,265	1,312,265		Y	2015	N	Local Trans-north-East Bay-south-Alameda County
494	Capital	Base	Y	31678	31137424	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	V-261A L-021A MP 12.04 NAPA Y (S-305)	Estimation	5/20/2015	5/7/2018	7/23/2018	7/5/2018	N	Y	N	121 737	433 575	637 781	1 121 981		N	2015	N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
495	Capital	Base	Y	31679	31137425	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO - DFM-1615-01 MP 4.17 PH2	Construction	2/1/2015	2/1/2015	11/30/2017	11/30/2017	N	Y	N	170	2,492	4,526	2,030,642		N	2015	N	Local Trans-north-Stockton-San Joaquin County
496	Capital	Base	Y	31681	31137069	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-251 L-124A MP 26.27 YUBA CITY UNDRGRND	Estimation	1/4/2016	6/3/2017	8/1/2017	7/15/2017	N	Y	N	199,109	231,319	233,304	1,213,395		N/A	2015	N	Local Trans-north-Sierra-Sutter County
497	Capital	Base	Y	31704	74004066	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM, CORROSION ENGINEERING	L-147 MP 1.92-2.28 REPLACE 2000 FT	Construction	10/21/2013	3/1/2016	10/7/2017	10/7/2017	N	Y	N	843	8,122	8,122	8,665		N/A		N	Local Trans-south-Peninsula-San Mateo County
498	Capital	Base	Y	31706	31020334	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	R-500 L-134A 0.05MI MP 32.66-32.71 RELO	Close-Out	10/21/2013	10/5/2015	11/13/2015	11/2/2015	N	N	N	12,296	41,878	1,238,117	1,512,691		N		N	Local Trans-south-Yosemite-merced-Merced County
499	Capital	Base	Y	31709	74002523	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-215 L-402 MP 13.02 & L-402B MP 13.06	Close-Out	2/9/2015	3/23/2016	11/11/2016	11/1/2016	N	N	Y	-660,688	2,347,823	2,347,823	2,396,825		N	2015	N	Local Trans-north-North Valley-Shasta County
500	Capital	Base	Y	31728	31020331	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	DFM 7224-01 MP2.44_REMOVE_8IN_CAPITAL	Construction	9/1/2013	9/1/2013	2/16/2017	2/16/2017	N	Y	N	70	138	119,929	339,929		Y		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
501	Capital	Base	Y	31749	31025517	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	191A MP-2.27 RPLC 75 FT OF 6-IN	Close-Out	10/1/2013	10/1/2013	4/2/2015	4/2/2015	N	N	N	7,634	7,634	476,599	476,599		N		N	Local Trans-north-Diablo-Contra Costa County
502	Capital	Base	Y	31782	31100201	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V177A_MP43.87_REPLACE BOV A&B	Close-Out	10/28/2014	4/13/2015	6/12/2015	6/2/2015	N	N	N	3,082	24,461	1,173,723	1,173,723		N/A		N	Local Trans-north-North Valley-Tehama County
503	Capital	Base	Y	31803	31065648	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	2408-17 RPLC 4-IN VALVE D69	Close-Out	12/11/2013	6/10/2014	7/10/2014	7/15/2014	N	N	N	8,226	8,226	373,096	373,096		N/A		N	Local Trans-north-Mission-Contra Costa County
504	Capital	Base	Y	31812	31055192	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	7217-01 MP 1.97 REPLACE VALVES	Close-Out	2/6/2014	8/19/2014	8/29/2014	9/3/2014	N	N	N	2,032	3,498	370,094	370,094		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
505	Capital	Base	Y	31884	31034850	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	RT-077 0107-01 RPLC 6-IN VALVE B17	Close-Out	10/18/2013	11/17/2013	1/4/2014	2/4/2014	N	N	N	1,993	4,668	336,815	336,815		N/A		N	Local Trans-north-East Bay-south-Alameda County
506	Capital	Base	Y	31891	31062960	75	GT Pipeline Reliabil	75C	Regulator Stations	5758266-31062960 - STATION-ROB ROY CONTROL UPGRA	STATION-ROB ROY CONTROL UPGRADES	Close-Out	3/1/2014	6/29/2015	7/16/2015	7/23/2015	N	N	N	10,178	24,360	726,562	726,562		N/A		N	Local Trans-south-Central Coast-Santa Cruz County
507	Capital	Base	Y	31899	31034594	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-301F MP 3.37 VALVE SET REPLACEMENT	Close-Out	11/4/2013	1/30/2014	2/22/2014	2/25/2014	N	N	N	1 993	3 838	469 773	469 773		N/A		N	Local Trans-south-Central Coast-Monterey County
508	Capital	Base	Y	32069	31029545	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	210C_29.96_REPLACE 80 OF 24INCH PIPE	Close-Out	10/1/2013	10/1/2013	11/5/2013	11/5/2013	N	N	N	3,809	3,809	966,111	976,111		N/A		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
509	Capital	Base	Y	32075	31099977	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	KERN RIVER - INSTALL GROUNDING GRID	Close-Out	1/7/2015	1/18/2016	7/14/2016	7/19/2016	N	N	Y	81,840	454,221	581,866	581,866		N		N	Hinkley-Kern County
510	Capital	Base	Y	32129	31029854	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-147 INSTALL PRESSURE REDUCTION SYSTE	Close-Out	10/1/2013	10/1/2013	2/4/2014	2/4/2014	N	N	N	1,825	738	295,503	295,503		N/A		N	Systemwide-Systemwide-San Mateo County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
511	Capital	Base	Y	32174	31033842	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	RT-076 1624-01_MP0-1.37_REMOVE_PCFS_P1B	Close-Out	11/6/2013	12/12/2013	1/9/2014	1/30/2014	N	N	N	6,806	6,806	296,278	296,278		N/A		N	Local Trans-north-Stockton-San Joaquin County
512	Capital	Base	Y	32215	31036172	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	GT 1202-01REMOVE U_BD1202-01 2-2INCH VAL	Close-Out	11/1/2013	1/17/2014	2/20/2014	4/3/2014	N	N	N	6,494	6,494	290,427	290,427		N/A		N	Local Trans-south-Fresno-Fresno County
513	Capital	Base	Y	32220	31040859	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	GT V-158 VALVE REPL - DFM-7228-16 MP 0.9	Close-Out	3/1/2014	1/6/2015	2/18/2015	1/20/2015	N	N	N	20 461	23 394	440 262	440 262		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
514	Capital	Base	Y	32230	31082515	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	V-226 L-021A & L-021B SCHELLVILLE STA	Close-Out	5/4/2015	7/6/2016	12/7/2016	11/17/2016	N	N	Y	4,989,251	5,458,767	5,743,766	5,752,766		N/A		N	Local Trans-north-North Coast-santa Rosa-Napa Coun
515	Capital	Base	Y	32272	31053461	75	GT Pipeline Reliabil	75J	Geohazards	5510459-GSM, CORROSION ENGINEERING	R-377 L-147 0.0MI MP0.052 -0.52 MITER	Close-Out	1/14/2014	10/6/2014	11/26/2014	10/29/2014	N	N	N	2,148	2,505	1,530,211	1,540,211		N/A		N	Local Trans-south-Peninsula-San Mateo County
516	Capital	Base	Y	32329	31060777	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-091 DFM-7224-09 MP 1.4811-1.5490 RELO	Engineering/Permitting	3/1/2014	3/3/2017	4/13/2017	3/30/2017	N	Y	N	64,104	192,174	257,581	1,023,579		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
517	Capital	Base	Y	32353	31039593	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	DFM-7226-01 TEST MP 0.00 TO MP 5.5	Close-Out	11/26/2013	12/1/2013	11/28/2016	11/28/2016	N	N	Y	13 417	26 348	357 065	357 065		N		N	Local Trans-south-Yosemite-Stanislaus County
518	Capital	Base	Y	32368	74000260	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-691 L-172A MP 53.14 EXPOSED PIPE	Engineering/Perm tting	5/16/2016	6/12/2017	8/18/2017	7/26/2017	N	Y	N	89,254	109,639	109,639	1,069,639		N		N	Local Trans-north-Sac-vacadixon-Sacramento County
519	Capital	Base	Y	32421	31100126	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-281 VALVE REPL - DFM 8805-04 MP 1.19 V	Close-Out	1/8/2015	8/24/2015	9/18/2015	9/2/2015	N	N	N	-93,270	-91,259	298,257	298,257		N		N	Local Trans-south-De Anza-Santa Clara County
520	Capital	Base	Y	32422	31061065	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-161 VALVE REPL - DFM-8807-01 MP 7.29 V	Close-Out	3/1/2014	5/11/2015	7/24/2015	6/23/2015	N	N	N	243	19,853	1,115,786	1,115,786		N/A		N	Local Trans-south-De Anza-Santa Clara County
521	Capital	Base	Y	32424	31061200	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L210A MP 18.56 CROSS TIE V-3 REPLACEMENT	Close-Out	3/1/2014	7/25/2014	8/27/2014	8/18/2014	N	N	N	835	4 091	267 041	267 041		N/A		N	Local Trans-north-Sac-vacadixon-Solano County
522	Capital	Base	Y	32436	31100204	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0804-01 V-51-F3AB REPLMNT-LK/STOP ISSUES	Construction	10/1/2014	10/1/2014	12/28/2017	12/28/2017	N	Y	N	24,738	24,810	26,670	504,349		N/A		N	Local Trans-south-San Jose-Santa Clara County
523	Capital	Base	Y	32439	31042670	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	0404-04 MP2.4 DIGIN REPLACEMENT	Close-Out	12/1/2013	12/1/2013	3/25/2014	3/25/2014	N	N	N	188	2,637	274,494	279,494		N		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
524	Capital	Base	Y	32452	31085620	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	GT V-194 VALVE REPL - DFM-0214-01 MP 1.0	Close-Out	3/7/2014	1/7/2015	2/6/2015	2/12/2015	N	N	N	1,967	21,808	524,448	524,448		N		N	Local Trans-south-Peninsula-San Mateo County
525	Capital	Base	Y	32474	31044010	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	R-498 L-103 1.27MI MP 17.99-19.26 REPLAC	Close-Out	3/9/2015	4/26/2016	11/4/2016	8/29/2016	N	N	Y	2,230,315	4,703,361	5,122,557	5,223,458		N		N	Local Trans-south-Central Coast-Santa Clara County
526	Capital	Base	Y	32530	31048333	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	MILPITAS TERM - INSTALL MOISTURE ANALYZE	Close-Out	1/20/2014	12/8/2014	2/16/2015	7/5/2016	N	N	N	2,717	18,949	361,321	361,321		N/A		N	Milpitas/hollister-Central Coast-Santa Clara Count
527	Capital	Base	Y	32896	31055193	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L118A_MP80.7419_GRADE2+_LEAK_REPAIR	Close-Out	2/1/2014	2/1/2014	10/2/2014	10/2/2014	N	N	N	2,396	11,642	311,195	316,195		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
528	Capital	Base	Y	32907	31055797	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG5180 GONZALES TOWN V-1 REPLMT	Close-Out	2/3/2014	2/29/2016	3/25/2016	3/15/2016	N	N	N	18,640	558,943	601,061	611,061		N/A		N	Local Trans-south-Central Coast-Monterey County
529	Capital	Base	Y	32945	31099990	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	L-132 MP 45.17 REBUILD REG. TO DCUST1430	Engineering/Permitting	1/15/2016	3/1/2018	4/26/2018	3/28/2018	N	Y	N	42,051	59,616	71,682	1,074,851		N/A		N	Local Trans-south-Peninsula-San Mateo County
530	Capital	Base	Y	32980	31056098	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	GT L-111A-1 MP 7.31 & 8.11 REMOVE TDW &D	Close-Out	2/1/2014	10/27/2014	11/21/2014	12/1/2014	N	N	N	2,401	5,456	602,675	602,675		N		N	Local Trans-south-Fresno-Fresno County
531	Capital	Base	Y	32981	31085622	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	GT 7218-01_MP0.93_REMOVE_V-0.93	Close-Out	3/7/2014	10/13/2014	10/29/2014	11/5/2014	N	N	N	8,547	8,799	431,558	431,558		N/A		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
532	Capital	Base	Y	32986	31056628	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-132 MP 0.93-1.26 REPL	Close-Out	2/2/2012	9/19/2016	12/20/2016	11/30/2016	N	N	Y	4,269,986	4,389,211	4,564,481	7,168,481		Y		N	Local Trans-south-San Jose-Santa Clara County
533	Capital	Base	Y	33094	74004021	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM, CORROSION ENGINEERING	R-649 L-131 0.14MI MP 31.83-32.38 REPLAC	Engineering/Permitting	8/6/2015	4/23/2018	10/6/2018	9/13/2018	N	Y	N	119,318	286,430	286,430	5,288,348		N/A		N	Tracy-Mission-Alameda County
534	Capital	Base	Y	33185	31061721	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-086 1816-01 MP 10.14 EMERGENCY TREE D	Close-Out	3/1/2014	3/8/2014	3/31/2014	3/17/2014	N	N	N	2 878	7 274	1 199 316	1 199 316		N/A		N	Local Trans-south-Central Coast-Santa Cruz County
535	Capital	Base	Y	33204	31062319	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	7210-01_MP5.38_REPLACE_VALVE	Close-Out	3/1/2014	10/14/2015	11/4/2015	11/10/2015	N	N	N	14,750	41,800	525,670	525,670		N		N	Local Trans-south-Yosemite-merced-Merced County
536	Capital	Base	Y	33259	31100202	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM-1209-05 MP 4.95 REMOVE VALVE P-03	Close-Out	11/26/2014	8/5/2015	10/16/2015	8/27/2015	N	N	N	26,310	60,337	1,467,089	1,467,089		N		N	Local Trans-south-Fresno-Fresno County
537	Capital	Base	Y	33260	31072493	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	F-08 REPAIR LEAKING VALVE	Close-Out	3/3/2014	9/23/2014	11/28/2014	9/23/2015	N	N	N	188	3,079	690,851	690,851		N/A		N	Local Trans-south-Fresno-Fresno County
538	Capital	Base	Y	33369	31100207	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-273 L402 MP 32.80 REPL V0.01 DREG5485	Close-Out	1/30/2015	5/14/2015	6/12/2015	11/3/2015	N	N	N	2 460	-1 526	376 820	376 820		N/A		N	Local Trans-north-North Valley-Shasta County
539	Capital	Base	Y	33373	31180269	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	K-16B GRIFFIN HURON TAP - REG REPLACEMEN	Close-Out	12/1/2015	12/1/2015	6/9/2017	6/9/2017	N	Y	N	1,450	26,333	27,341	29,113		N/A		N	Local Trans-south-Fresno-Fresno County
540	Capital	Base	Y	33404	31159055	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	T-1100CAP 0837-01 MP 1.51 V-14-C2J SEAT	Close-Out	2/26/2015	10/19/2015	12/8/2015	12/21/2015	N	N	N	20,221	48,848	271,770	271,770		N/A		N	Local Trans-south-San Jose-Santa Clara County
541	Capital	Base	Y	33408	31097415	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	187 MP 4.31 INOP MAINLINE VALVE SET	Close-Out	9/10/2014	3/10/2015	4/16/2015	4/8/2015	N	N	N	217	17,491	804,016	804,016		N/A		N	Local Trans-south-Central Coast-Monterey County
542	Capital	Base	Y	33410	31099797	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-275 DREG4181 MP 0.42 INOP V-14-C6B RPL	Close-Out	11/10/2014	2/9/2015	3/13/2015	2/18/2015	N	N	N	5 944	17 668	262 155	262 155		N		N	Local Trans-south-San Jose-Santa Clara County
543	Capital	Base	Y	33451	31070879	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-090 DFM 1401-01 REPLACE DFM W/660' OF	Close-Out	4/2/2014	11/2/2015	3/25/2016	3/21/2016	N	N	N	286,718	3,809,877	5,471,010	5,501,010		N/A		N	Local Trans-south-San Francisco-San Francisco Coun
544	Capital	Base	Y	33532	31099991	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	ANTIOCH TERM REXA CONTROLS REPLACEMENT	Close-Out	1/7/2015	2/2/2015	3/28/2016	3/14/2016	N	N	N	46,312	109,748	469,548	469,548		N/A		N	Los Medanos-Diablo-Contra Costa County
545	Capital	Base	Y	33650	31070951	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L118A_MP81.67_REPLACE_INOP_VALVES_V1_V2	Close-Out	11/6/2014	5/4/2015	7/3/2015	6/22/2015	N	N	N	4,128	21,150	1,987,964	1,987,964		N/A		N	Local Trans-south-Yosemite-modesto-Merced County
546	Capital	Base	Y	33740	31087247	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	0630-01_1.33_REPLACE	Close-Out	7/1/2014	7/1/2014	1/11/2016	1/11/2016	N	N	N	13,500	135,660	267,516	272,516		N		N	Local Trans-north-Sierra-Colusa County
547	Capital	Base	Y	34113	31100139	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-1217-01 MP3.27 REPLACE VALVE Z-06	Close-Out	11/26/2014	4/27/2015	5/23/2015	5/12/2015	N	N	N	55	10,704	312,483	312,483		N		N	Local Trans-south-Fresno-Fresno County
548	Capital	Base	Y	34118	31085624	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-314 MP 8.76 REMOVE VALVE V-8.76	Close-Out	7/1/2014	7/1/2014	12/10/2016	12/10/2016	N	N	Y	756	1,486	20,133	314,133		N/A		N	Hinkley-Kern-San Bernardino County
549	Capital	Base	Y	34139	31088896	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	GCUST5815 V-3 REPLACE	Close-Out	7/21/2014	4/1/2015	5/21/2015	4/22/2015	N	N	N	8,372	16,547	418,815	418,815		N/A		N	Local Trans-south-De Anza-Santa Clara County
550	Capital	Base	Y	34160	31157456	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0203-05 MP0.01 V-307 LK RPR INTERNAL	Construction	6/1/2015	6/1/2015	9/7/2017	9/7/2017	N	Y	N	19,610	20,092	32,427	528,316		N/A		N	Local Trans-south-Peninsula-San Mateo County
551	Capital	Base	Y	34186	31090100	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0405-02 DECOM/REMOVE V-10 & V-11	Construction	6/12/2014	7/1/2014	11/15/2017	11/15/2017	N	Y	N	110	217	2,938	302,938		N/A		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
552	Capital	Base	Y	34190	31100463	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	34190 S-315 PC METER AND CONTROLS	Estimation	6/18/2015	7/3/2017	9/27/2017	8/28/2017	N	Y	N	308,284	529,958	575,253	2,196,894		N/A		N	Los Medanos-Yolo County
553	Capital	Base	Y	34247	31099355	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM, CORROSION ENGINEERING	R-495 L-300B 0.64MI MP 280.39-281.03 RPL	Close-Out	11/30/2014	11/2/2015	3/4/2016	2/18/2016	N	N	N	-30,522	1,241,661	5,576,011	5,728,643		N/A		N	L300-north-Kern-bakersfield-Kern County
554	Capital	Base	Y	34324	P.08101	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM-0126-01 MP 0.00-1.84 ILI UPGRADE WBS	Construction	12/16/2014	8/30/2016	12/13/2016	12/1/2016	N	N	Y	3,480,539	4,188,898	5,049,648	5,544,266		N/A		N	Local Trans-north-East Bay-north-Contra Costa Coun
555	Capital	Base	Y	34420	31099942	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-272 0804-08 MP0.48 REMOVE V-51-I4C	Close-Out	2/1/2015	2/1/2015	1/29/2016	1/29/2016	N	N	N	658	675	1,108	351,108		N/A		N	Local Trans-south-Central Coast-Santa Clara County
556	Capital	Base	Y	34455	31099946	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	197A_MP5.19_REPLACE_V-2	Construction	10/1/2014	10/1/2014	12/31/2017	12/31/2017	N	Y	N	243	476	6,532	310,449		N/A		N	Local Trans-north-Stockton-San Joaquin County
557	Capital	Base	Y	34482	31099847	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	UPGRDE METER AT CORNING NORTH DOME L177A	Engineering/Permitting	1/7/2016	8/17/2017	10/16/2017	9/15/2017	N	Y	N	308	4,726	4,726	904,577		N		N	Local Trans-north-North Valley-Tehama County
558	Capital	Base	Y	34487	31099849	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	UPGRADE METER L173 AT AUBURN	Engineering/Permitting	7/14/2014	5/23/2017	8/17/2017	7/19/2017	N	Y	N	116,692	129,181	129,181	520,229		N		N	Local Trans-north-Sacramento-Placer County
559	Capital	Base	Y	34489	31099854	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	UPGRADE METER M3 AT LAS VINAS STATION	Engineering/Permitting	10/30/2015	5/15/2017	7/20/2017	6/20/2017	N	Y	N	30 458	30 940	30 940	655 842		N		N	Rio Vista-San Joaquin County
560	Capital	Base	Y	34495	31099796	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	300B MP 131.37 V-18 IN OP	Close-Out	11/6/2014	1/26/2015	2/10/2015	2/11/2015	N	N	N	3,646	3,646	330,832	330,832		N		N	Hinkley-San Bernardino County
561	Capital	Base	Y	34502	31088713	75	GT Pipeline Reliabil	75H	Class Location	5510459-GSM, CORROSION ENGINEERING	GT L-114 REPL 0.38MI MP 16.86-17.06	Close-Out	7/7/2014	8/22/2014	11/4/2014	9/30/2014	N	N	N		191	2,113,913	2,123,913		N/A		N	Local Trans-north-Diablo-Contra Costa County
562	Capital	Base	Y	34792	31097407	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	GT RT-117 INOP VALVE - L220 MP 34.11 V-1	Close-Out	8/1/2014	2/4/2015	3/2/2015	3/11/2015	N	N	N	7,333	8,501	400,538	400,538		N/A		N	Local Trans-north-Sac-vacadixon-Yolo County
563	Capital	Base	Y	34858	31111882	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-266 INOP VALVE - L220 MP 12.18 V-1 (R-	Close-Out	9/1/2014	4/1/2015	8/13/2015	4/14/2015	N	N	N	569	-702	257 575	257 575		N/A		N	Local Trans-north-Sac-vacadixon-Solano County
564	Capital	Base	Y	34859	31098514	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	INOP VALVES - TAFB VALVE LOT REBUILD	Close-Out	11/17/2014	6/22/2015	6/30/2015	9/24/2015	N	N	N	68,667	82,654	2,386,715	2,425,068		N/A		N	Local Trans-north-Sac-vacadixon-Solano County
565	Capital	Base	Y	34868	31099945	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	INOP VALVE - L159 MP 3.91 (PCREEK) V-2	Close-Out	10/28/2014	2/23/2015	6/13/2015	3/12/2015	N	N	N	2,164	5,928	785,805	785,805		N		N	Local Trans-north-Sac-vacadixon-Yolo County
566	Capital	Base	Y	34900	31099944	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-283 VALVE REPL - INOP VALVE - DFM 0601	Close-Out	12/8/2014	6/1/2015	6/17/2015	7/8/2015	N	N	N	2,649	6,691	286,369	286,369		N/A		N	Local Trans-north-Sac-vacadixon-Solano County
567	Capital	Base	Y	34914	31099851	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	MORRO BAY PRIMARY & MM REMOVAL	Engineering/Permitting	1/7/2016	5/15/2017	8/9/2017	7/11/2017	N	Y	N	132 069	287 457	287 457	1 828 581		Y		N	Kettleman-San Luis Obispo County
568	Capital	Base	Y	34934	74008483	75	GT Pipeline Reliabil	75T		5501687-GSM PIPELINE RELIABILITY/SAFETY	0111-08 RETIRE 450-FT OF 4-IN DFM	Close-Out	9/1/2016	9/1/2016	9/1/2016	9/1/2016	Y	N	Y	321	321	321	650,321		Y		N	Local Trans-north-East Bay-south-Fresno County
569	Capital	Base	Y	34974	31186441	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	ANTIOCH CONTROLS UPGRADE	Estimation	12/14/2015	5/30/2018	8/23/2018	7/25/2018	N	Y	N	6,133	10,360	10,360	1,616,290		Y		N	L300-north-Diablo-Contra Costa County
570	Capital	Base	Y	34976	31186444	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	PANOCHE CONTROLS UPGRADE	Estimation	3/30/2016	2/1/2018	4/27/2018	3/29/2018	N	Y	N	35,151	68,869	68,869	3,156,778		N		N	L300-north-Yosemite-Fresno County
571	Capital	Base	Y	34979	31100686	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-188C L-220 0.04 MI MP 19.55 - 19.52 RE	Close-Out	5/5/2015	9/21/2015	11/7/2015	11/4/2015	N	N	N	116,679	164,391	319,352	3,109,393		N/A		N	Local Trans-north-Sac-vacadixon-Sacramento County
572	Capital	Base	Y	34980	31186443	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	BIXLER CONTROLS UPGRADE	Construction	10/1/2015	10/1/2015	11/29/2017	11/29/2017	N	Y	N	-78,993	4,200	4,580	38,348		N/A		N	Tracy-Diablo-Contra Costa County
573	Capital	Base	Y	35047	31094761	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG4902_REPLACE_FIRE_VALVE_V1	Close-Out	8/12/2014	10/19/2015	11/18/2015	11/10/2015	N	N	N	24,327	58,791	952,643	952,643		N/A		N	Local Trans-north-Stockton-San Joaquin County
574	Capital	Base	Y	35123	31105668	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM 1816-01 TEST MP 9.55 - 11.48 CAPITAL	Close-Out	10/1/2014	10/1/2014	10/7/2015	10/7/2015	N	N	N	219,537	201,230	1,326,047	1,326,047		Y		N	Local Trans-south-Central Coast-Santa Cruz County
575	Capital	Base	Y	35320	31097467	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM 0401-01 TEST MP 4.89- 4.925 CAPITAL	Close-Out	8/1/2014	8/1/2014	12/4/2015	12/4/2015	N	N	N	35,481	425,042	2,852,831	2,852,831		N/A		N	Local Trans-north-East Bay-north-Marin County
576	Capital	Base	Y	35322	31097471	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM 1816-01 TEST MP 12.78-16.30 CAPITAL	Close-Out	8/1/2014	8/1/2014	3/15/2016	3/15/2016	N	N	N		20,714	1,351,815	1,351,815		N		N	Local Trans-north-East Bay-north-Santa Cruz County
577	Capital	Base	Y	35327	31180274	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	186 MP1.56 RELOCATE VALVES REBUILD VAULT	Close-Out	9/1/2015	10/19/2016	11/19/2016	11/9/2016	N	N	Y	1,100,214	1,126,329	1,130,452	1,140,458		N		N	Local Trans-south-Yosemite-merced-Merced County
578	Capital	Base	Y	35366	74004053	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-501 153_2 MP 7.34-9.18	Estimation	2/3/2015	3/20/2017	6/10/2017	5/20/2017	N	Y	N	129,247	748,262	748,262	2,948,441		N/A		N	Local Trans-north-Mission-Alameda County
579	Capital	Base	Y	35368	31101067	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-502 L-050A MP 11.03-11.9 REPLACMENT 8	Close-Out	12/11/2014	1/5/2016	5/23/2016	4/12/2016	N	N	N	-339,437	8,590,647	9,471,730	9,571,730		Y		N	Local Trans-north-Sierra-Sutter County
580	Capital	Base	Y	35369	31101064	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-503 L-50A MP 16.81-18.41 REPLCMNT 8""	Close-Out	12/11/2014	1/5/2016	7/13/2016	6/29/2016	N	N	Y	4,775,569	31,429,542	32,593,550	32,793,550		N		N	Local Trans-north-North Valley-Butte County
581	Capital	Base	Y	35370	74004044	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-504 L-153_4 MP 5.32-5.46	Estimation	1/27/2015	3/20/2017	6/1/2017	5/11/2017	N	Y	N	131,172	407,424	407,424	2,307,626		N/A		N	Local Trans-north-Mission-Alameda County
582	Capital	Base	Y	35371	74000967	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-513 L-300A_7 3.88MI MP 149.66-153.54	Construction	11/1/2015	11/1/2015	1/21/2017	1/21/2017	N	Y	N	45	89	1,201	30,001,213		N		N	Hinkley-Kern-San Bernardino County
583	Capital	Base	Y	35372	74000788	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-153 RPLC MP 23.77-25.96 & 26.48-26.52	Engineering/Perm tting	1/21/2015	1/8/2018	8/9/2018	7/18/2018	N	Y	N	715,492	1,051,999	1,611,749	36,477,026		Y		N	Local Trans-north-East Bay-south-Alameda County
584	Capital	Base	Y	35373	74004050	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-508 105N MP 29.52-29.80 REPLACEMENT	Estimation	11/19/2014	5/30/2017	9/29/2017	9/9/2017	N	Y	N	464 322	743 971	743 971	13 243 971		N/A		N	Local Trans-north-East Bay-south-Alameda County
585	Capital	Base	Y	35374	31101073	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-507 105C MP 0-1.79 REPLACEMENT	Construction	12/17/2014	1/1/2015	1/18/2018	1/18/2018	N	Y	N	11,846	23,264	315,443	25,089,073		Y		N	Local Trans-north-East Bay-south-Alameda County
586	Capital	Base	Y	35377	74000789	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-511 L-153 1.14MI MP 26.62-27.88	Estimation	1/21/2015	3/15/2017	4/18/2018	9/21/2017	N	Y	N	1,027,677	1,347,753	1,752,386	27,182,995		N		N	Local Trans-north-East Bay-south-Alameda County
587	Capital	Base	Y	35380	74004052	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-506 DFM 0401-01 REPL MP 2.27-3.55	Engineering/Permitting	8/17/2015	4/16/2018	6/28/2018	6/5/2018	N	Y	N	158,173	433,689	433,689	23,514,744		Y		N	Local Trans-north-North Bay-san Rafael-Marin Count
588	Capital	Base	Y	35381	74004070	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-512 DFM 1816-01 0.42MI MP 14.26-14.68	Construction	3/23/2015	3/1/2016	1/10/2017	1/10/2017	N	Y	N	1 104	22 638	22 638	3 076 166		N		N	Local Trans-south-Central Coast-Santa Cruz County
589	Capital	Base	Y	35382	74001624	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-517 DFM-1818-01 0.20MI MP 2.49-2.69	Estimation	3/23/2015	5/11/2017	7/20/2017	6/26/2017	N	Y	N	204,773	428,932	429,138	529,159		N/A		N	Local Trans-south-Central Coast-Santa Cruz County
590	Capital	Base	Y	35383	31101244	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-514 L-100 MP 138.43-138.46 REPLACEMENT	Engineering/Perm tting	4/23/2015	1/9/2017	3/15/2017	3/6/2017	N	Y	N	138,685	313,655	329,335	1,259,335		N/A		N	Milpitas/hollister-San Jose-Santa Clara County
591	Capital	Base	Y	35453	31100239	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-264 VALVE REPL - DFM-6635-03 MP 0.1983	Close-Out	9/1/2014	9/14/2015	9/25/2015	9/24/2015	N	N	N	6,464	-22,333	472,986	472,986		N/A		N	Topock-San Bernardino County
592	Capital	Base	Y	35459	31100833	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-277 INOP VALVE - L168 TYLER ISLAND V-C	Close-Out	11/5/2014	11/16/2015	4/19/2016	12/18/2015	N	N	N	13 512	235 455	649 277	649 277		N/A		N	Rio Vista-Sacramento-Solano County
593	Capital	Base	Y	35864	31101296	75	GT Pipeline Reliabil	75L	Fault Crossings	5510459-GSM, CORROSION ENGINEERING	R-483 L-021B MP 3.88 FAULT CROSSING MITI	Close-Out	9/1/2014	9/25/2014	11/19/2014	11/14/2014	N	N	N	3,948	3,948	1,091,306	1,091,306		N		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
594	Capital	Base	Y	35886	31102699	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 54.75-58.215 T-1033 CAPITAL	Close-Out	9/1/2014	9/1/2014	10/8/2015	10/8/2015	N	N	N	18,305	36,167	1,022,613	1,022,613		N		N	Local Trans-south-Yosemite-Merced County
595	Capital	Base	Y	35915	31105932	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 17.74-17.75 T-1028 CAPITAL	Close-Out	10/1/2014	10/1/2014	4/4/2016	4/4/2016	N	N	N	15,923	64,338	482,794	482,794		N/A		N	Local Trans-south-Yosemite-Merced County
596	Capital	Base	Y	35918	31106243	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	L-021G MP 13.72-16.09 T-1006 CAPITAL	Close-Out	10/1/2014	10/1/2014	5/26/2016	5/26/2016	N	N	N	73 239	1 745 470	1 746 714	1 746 714		Y		N	Local Trans-north-East Bay-north-Marin County
597	Capital	Base	Y	35919	31106244	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM1615-01 MP 16.59-18.35 T-1017 CAPITAL	Close-Out	9/1/2015	9/1/2015	5/4/2016	5/4/2016	N	N	N	-7,670	2,006,979	2,048,936	2,057,150		Y		N	Local Trans-south-Yosemite-Stanislaus County
598	Capital	Base	Y	35920	31101844	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 28.59-36.03 T-1031 CAPITAL	Close-Out	3/1/2015	3/1/2015	6/1/2015	6/1/2015	N	N	N	33,329	21,946	901,110	901,110		N		N	Local Trans-south-Yosemite-Merced County
599	Capital	Base	Y	35959	31109512	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-311 MLV 17.39 REMOVAL	Close-Out	11/26/2014	12/1/2014	11/18/2015	11/18/2015	N	N	N	58	114	1,545	351,545		N		N	Hinkley-Kern-San Bernardino County
600	Capital	Base	Y	35962	31110018	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	1303-01_2.05_LOWER 8INCH DFM	Construction	9/22/2014	12/1/2014	1/27/2017	1/27/2017	N	Y	N	46	141	1,220	712,345		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
601	Capital	Base	Y	36001	31102947	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A-1 MP 0.21-0.54 T-1013 CAPITAL	Close-Out	6/1/2015	6/1/2015	11/18/2015	11/18/2015	N	N	N	2,567	5,658	289,283	289,283		N/A		N	Local Trans-south-Yosemite-Fresno County
602	Capital	Base	Y	36190	31143530	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-169A_MP 5.07_REPL BOV D @ VALVE 230	Close-Out	4/14/2015	8/31/2015	9/29/2015	10/5/2015	N	N	N	-29,805	-38,176	638,556	638,556		N		N	Meridian-North Valley-Glenn County
603	Capital	Base	Y	36541	31109500	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-124 132 MP 3.07 EMERGENCY CASING LEAK	Close-Out	10/17/2014	10/27/2014	1/9/2015	4/9/2015	N	N	N	7,832	15,530	2,535,622	2,535,622		N		N	Milpitas/hollister-San Jose-Santa Clara County
604	Capital	Base	Y	36702	31120953	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	BAKERSFIELD TAP-REPLACE VALVE V27 & V28	Close-Out	11/1/2014	5/23/2016	10/28/2016	8/17/2016	N	N	Y	707,426	1,316,336	1,436,793	1,441,264		N/A		N	L300-north-Kern County
605	Capital	Base	Y	36745	31115728	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 64.528-67.639 T-1036A CAPITAL	Close-Out	6/1/2015	6/1/2015	3/31/2016	3/31/2016	N	N	N	-46,211	1,029,597	1,051,210	1,051,210		N		N	Local Trans-south-Yosemite-Merced County
606	Capital	Base	Y	36819	31115226	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-128 DRIP7983 MP 0.0 U-1075	Close-Out	10/30/2014	2/11/2015	4/24/2015	11/30/2016	N	N	N	17,420	39,043	624,296	624,296		N		N	Local Trans-north-Sierra-Yuba County
607	Capital	Base	Y	36833	31115822	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-118 L-105A MP 38.0-38.44 REPL	Close-Out	11/13/2014	1/11/2016	3/4/2016	2/25/2016	N	N	N	3,504	1,086,100	1,410,077	1,414,577		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
608	Capital	Base	Y	36839	31115829	75	GT Pipeline Reliabil	75L	Fault Crossings	5510459-GSM, CORROSION ENGINEERING	R-608 L-021E MP137.36 137.38 REL 256""/8'	Close-Out	1/1/2015	2/10/2016	4/8/2016	3/28/2016	N	N	N	79,540	1,573,842	1,726,513	1,876,513		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
609	Capital	Base	Y	36861	74000278	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L150 MP 4.7-15.85 RETIRE	Engineering/Permitting	1/3/2017	2/17/2018	8/9/2018	7/9/2018	N	Y	N	596	3 050	7 541	1 780 239		N		N	Local Trans-north-Sac-vacadixon-Sacramento County
610	Capital	Base	Y	36877	31133505	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	619387 MP8.47 REPLACE V-A V-B INOP VLVS	Close-Out	2/24/2015	8/11/2015	8/31/2015	9/1/2015	N	N	N	2,937	21,672	801,585	801,585		N/A		N	Local Trans-north-Stockton-San Joaquin County
611	Capital	Base	Y	36908	31117571	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 78.01-83.43 T-1038 CAPITAL	Close-Out	11/25/2014	12/1/2014	11/2/2015	11/2/2015	N	N	N	7,862	11,700	838,759	838,759		N		N	Local Trans-south-Yosemite-Merced County
612	Capital	Base	Y	36909	31120104	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM 7222-01 MP 0.00-0.60 T-1079 CAPITAL	Close-Out	12/1/2014	12/1/2014	4/27/2015	4/27/2015	N	N	N	14,409	15,043	260,251	260,251		Y		N	Local Trans-south-Yosemite-Stanislaus County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
613	Capital	Base	Y	36955	31118401	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM 0402-01 MP 4.9-5.055 T-1008 CAPITAL	Close-Out	12/1/2014	4/1/2015	3/8/2016	3/8/2016	N	N	N	225,695	625,327	1,762,244	1,762,244		N/A		N	Local Trans-north-North Bay-san Rafael-Napa County
614	Capital	Base	Y	36970	31139179	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	LOS MEDANOS PLS- UPS UPGRADE	Close-Out	3/9/2015	12/14/2015	7/8/2016	5/24/2016	N	N	Y	93,917	947,051	1,270,419	1,301,194		N/A		N	Los Medanos-Contra Costa County
615	Capital	Base	Y	37011	74001643	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	R-708 L-021G MP 2.54 RELOCATE VALVES	Estimation	10/1/2015	5/2/2019	10/4/2019	9/11/2019	N	Y	N	122 769	164 321	164 475	592 691		N		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
616	Capital	Base	Y	37033	31120862	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-121 STUB7941-STUB7942 REPL	Close-Out	11/13/2014	3/2/2015	3/19/2015	11/18/2015	N	N	N	1,780	14,161	310,734	310,734		N/A		N	Local Trans-north-North Coast-santa Rosa-Marin Cou
617	Capital	Base	Y	37060	31132059	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	21H MP 1.59 REPLACE DAMAGED PIPE	Close-Out	2/1/2015	2/1/2015	11/25/2015	11/25/2015	N	N	N	502	2,479	488,420	492,967		Y		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
618	Capital	Base	Y	37103	31123771	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 37.725-43.64 T-1032 CAPITAL	Close-Out	1/1/2015	1/1/2015	6/30/2015	6/30/2015	N	N	N	28,822	67,213	769,507	769,507		N		N	Local Trans-south-Yosemite-Merced County
619	Capital	Base	Y	37111	31123904	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L50A MP 31.64 LEAK REPAIR	Close-Out	12/1/2014	12/1/2014	3/20/2015	3/20/2015	N	N	N	5 422	37 080	801 485	803 985		N		N	Local Trans-north-North Valley-Butte County
620	Capital	Base	Y	37116	31124389	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-181A MP 16.83-19.65 T-1019 CAPITAL	Close-Out	1/1/2015	1/1/2015	5/26/2016	5/26/2016	N	N	N	3,055	388,031	388,193	388,193		Y		N	Local Trans-south-Central Coast-Santa Cruz County
621	Capital	Base	Y	37154	31133513	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	RETIRE DFM 0616-02 BETW MP 0.00 AND 0.05	Close-Out	2/16/2015	1/8/2016	3/4/2016	2/8/2016	N	N	N	35,610	705,782	861,610	861,610		N/A		N	Local Trans-north-Sacramento-Sacramento County
622	Capital	Base	Y	37168	31133333	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	TOMPKINS HILL - U/S FILTRATION/ACTUATORS	Engineering/Permitting	1/9/2015	3/12/2018	5/21/2018	4/26/2018	N	Y	N	45,557	298,873	394,924	1,983,855		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
623	Capital	Base	Y	37193	31135037	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	RT-146 L-314 MP 24.75-24.92 REPLACE 10""	Close-Out	2/20/2015	6/16/2015	8/24/2015	8/14/2015	N	N	N	11 991	60 122	1 355 735	1 361 735		N/A		N	Hinkley-San Bernardino County
624	Capital	Base	Y	37234	74004047	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM CORROSION ENGINEERING	R-607 L-21A MP 24.53 REPLACE EXPOSED PIP	Engineering/Permitting	6/1/2015	3/20/2018	7/13/2018	6/20/2018	N	Y	N	237,408	643,482	643,482	21,722,419		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
625	Capital	Base	Y	37253	74004560	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-818 L-401 MP 139.25 REPLACE EXPOSED PI	Engineering/Permitting	3/1/2016	5/26/2018	9/24/2018	8/31/2018	N	Y	N	116,705	124,826	124,826	10,384,389		N		N	Local Trans-north-Sierra-Tehama County
626	Capital	Base	Y	37333	31130133	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-141 X6460 MP 17.65-17.67 REPL	Close-Out	1/21/2015	3/16/2015	8/27/2015	7/2/2015	N	N	N	37,974	75,762	839,485	839,485		N/A		N	Local Trans-north-Mission-Alameda County
627	Capital	Base	Y	37476	31151420	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	BD84 LEAK REPAIR GRADE 2 (L-101)	Close-Out	5/4/2015	6/29/2015	7/31/2015	11/3/2015	N	N	N	11,739	26,407	700,115	700,115		N/A		N	Local Trans-south-Peninsula-San Mateo County
628	Capital	Base	Y	37478	31133506	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0821-02 MP 2.35 INOP VALVE V13-G8E TULLY	Close-Out	2/24/2015	6/1/2015	7/17/2015	7/31/2015	N	N	N	8,218	-16,596	1,485,362	1,485,362		N		N	Local Trans-south-San Jose-Santa Clara County
629	Capital	Base	Y	37480	31133517	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0614-08_MP1.9_INOP V-D100	Close-Out	2/16/2015	8/12/2015	1/29/2016	8/26/2015	N	N	N	1,082	1,664	543,572	543,572		N		N	Local Trans-north-Sacramento-Sacramento County
630	Capital	Base	Y	37485	74004048	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-582 DFM 0613-01 0.75MI MP3.29-4.04 RPL	Engineering/Permitting	4/30/2015	4/2/2018	9/29/2018	9/6/2018	N	Y	N	168,430	398,764	398,764	5,574,390		Y		N	Local Trans-north-Sacramento-Sacramento County
631	Capital	Base	Y	37537	31135926	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	DFDS3673 MP 0.39 INST FILTER AT COALINGA	Estimation	2/1/2015	4/17/2017	7/10/2017	6/14/2017	N	Y	N	325,078	637,281	763,723	763,723		N/A		N	Local Trans-south-Fresno-Fresno County
632	Capital	Base	Y	37686	31134968	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	R-564 DREG5300_0_0.00047_REPLACE LEAKING	Close-Out	2/18/2015	3/18/2015	4/10/2015	7/15/2015	N	N	N	132	33,333	763,782	763,782		N/A		N	Milp tas/hollister-Mission-Alameda County
633	Capital	Base	Y	37690	31135035	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	7204-01[redacted]. V-1	Close-Out	1/1/2015	9/28/2015	1/29/2016	10/19/2015	N	N	N	26,486	46,010	690,161	690,161		N		N	Tracy-Yosemite-merced-Merced County
634	Capital	Base	Y	37696	74000284	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	R-679 L-057A MP 13.1-13.4 LOWR 18IN MAIN	Estimation	2/5/2016	6/29/2017	8/23/2017	8/8/2017	N	Y	N	121,414	155,527	155,682	891,006		N/A		N	Tracy-Stockton-San Joaquin County
635	Capital	Base	Y	37699	31187655	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-021E MP 73.76 REPLACE INOP V-A & V-B	Close-Out	10/1/2015	11/30/2015	4/15/2016	12/18/2015	N	N	N	460,138	668,239	1,658,650	1,658,650		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
636	Capital	Base	Y	37705	31139473	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-571 L302-218 MP0 TO .23 RETIRE PIPELIN	Close-Out	3/16/2015	6/24/2015	7/31/2015	7/31/2015	N	N	N	2 632	15 915	331 684	334 184		N/A		N	Meridian-North Valley-Colusa County
637	Capital	Base	Y	37729	31133776	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-129 L-105N-5 MP 36.39 REPL	Close-Out	11/13/2014	11/16/2015	3/9/2016	2/26/2016	N	N	N	13,681	544,071	1,160,252	1,164,752		N/A		N	Local Trans-north-East Bay-north-Alameda County
638	Capital	Base	Y	37935	31136754	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-121 MP 0.00-6.99 T-1002 CAPITAL	Close-Out	2/1/2015	2/1/2015	8/23/2016	8/23/2016	N	N	Y	1,057,055	3,776,923	3,777,050	3,796,691		Y		N	Local Trans-north-Sierra-Yuba County
639	Capital	Base	Y	37951	31143521	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-123_8.00_V-1 REPLACE	Close-Out	4/2/2015	6/12/2015	6/22/2015	6/22/2015	N	N	N	9,460	35,311	301,760	301,760		N		N	Local Trans-north-Sierra-Placer County
640	Capital	Base	Y	37977	31142939	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	7220-01 MP15.75 REPL V-15.75 & V-C RMV V	Close-Out	4/2/2015	10/19/2015	11/19/2015	11/16/2015	N	N	N	15 682	28 174	484 165	484 165		N/A		N	Tracy-Stockton-Merced County
641	Capital	Base	Y	38003	31140545	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	T-1085 CAP DREG5130/DF3430 MP 0.06-0.09	Close-Out	3/1/2015	3/1/2015	4/21/2016	4/21/2016	N	N	N	-12,853	288,579	296,636	296,636		N		N	Local Trans-south-Central Coast-Santa Cruz County
642	Capital	Base	Y	38048	31143523	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	8805-03_MP0.65_REMOVE_V-49-G6G (3349-G6G	Close-Out	4/17/2015	9/14/2015	10/9/2015	10/27/2015	N	N	N	8,670	33,553	642,359	642,359		N		N	Local Trans-south-De Anza-Santa Clara County
643	Capital	Base	Y	38051	31148808	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-103 MP 19.60 ROGGE RD INOP V-A-B-C	Estimation	5/20/2015	3/1/2017	4/3/2017	3/29/2017	N	Y	N	85,545	80,277	168,702	968,704		N		N	Local Trans-south-Central Coast-Monterey County
644	Capital	Base	Y	38052	31148809	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	1815-15 MP 4.50 V-A-B REPLACE INOP VALVE	Construction	4/1/2015	4/1/2015	5/23/2017	5/23/2017	N	Y	N	3 353	-7 479	67 538	778 788		N/A		N	Local Trans-south-Central Coast-Monterey County
645	Capital	Base	Y	38057	31143520	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-1202-19_MP 0.016_REMOVE VALVE B-24	Close-Out	3/26/2015	6/1/2015	6/1/2015	9/14/2015	N	N	N	938	5,911	304,685	309,685		N		N	Local Trans-south-Fresno-Fresno County
646	Capital	Base	Y	38078	31143751	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	R-(NEED NEW R) L-191-1 LOWERING MAIN	Close-Out	4/3/2014	9/3/2015	9/25/2015	9/30/2015	N	N	N	15,225	36,889	764,674	980,674		N/A		N	Local Trans-north-Diablo-Contra Costa County
647	Capital	Base	Y	38132	74000908	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-309B L-107 1.18MI MP32.37-33.55 BALIP	Engineering/Permitting	1/2/2013	3/1/2017	9/8/2017	8/9/2017	N	Y	N	1,349,696	1,411,729	1,449,233	2,379,511		Y		N	Milpitas/hollister-Alameda County
648	Capital	Base	Y	38142	P.09387	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	WALNUT CROSSOVER WBS	Construction	1/5/2012	7/9/2018	9/4/2018	8/11/2018	N	Y	N	184,952	550,915	1,730,646	1,871,584		N/A		N	Tracy-Diablo-Contra Costa County
649	Capital	Base	Y	38256	31140949	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	T-1088 CAP DFM 0807-01 MP 0.46 (TS)	Close-Out	3/1/2015	3/1/2015	7/21/2016	7/21/2016	N	N	Y	76,957	375,028	385,084	394,684		N		N	Local Trans-south-San Jose-Santa Clara County
650	Capital	Base	Y	38299	74004058	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	R-586 L-400 MP 246 REMOVE EXPOSED PIPE	Close-Out	2/1/2015	3/1/2016	11/9/2016	11/9/2016	N	N	Y	50,825	73,909	73,909	3,276,677		N		N	Willows-Sacramento-Yolo County
651	Capital	Base	Y	38300	74004043	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	R-587 L-401 MP 246 REMOVE EXPOSED PIPE	Close-Out	2/1/2015	3/1/2016	11/9/2016	11/9/2016	N	N	Y	54,979	84,091	84,091	3,213,109		N		N	Willows-Sacramento-Yolo County
652	Capital	Base	Y	38471	31184986	75	GT Pipeline Reliabil	75C	Regulator Stations	5758266-31062960 - STATION-ROB ROY CONTROL UPGRA	STATION-N[redacted]RETIREMENT	Engineering/Permitting	1/19/2016	8/23/2018	11/19/2018	10/18/2018	N	Y	N	38,876	103,216	103,888	3,422,922		N/A		N	Local Trans-south-San Jose-Santa Clara County
653	Capital	Base	Y	38499	P.09526	75	GT Pipeline Reliabil	75J	Geohazards	5510459-GSM, CORROSION ENGINEERING	L-021E MP. 125.4 - 129.7 WBS	Close-Out	10/21/2011	6/13/2016	9/15/2016	8/30/2016	N	N	Y	3,398,301	4,395,406	6,635,345	7,010,345		Y		N	Local Trans-north-North Coast-ukiah-Mendocino Coun
654	Capital	Base	Y	38517	P.09529	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	R-405, L-400/401 Cache Creek WBS	Close-Out	4/8/2010	5/21/2015	12/11/2015	10/14/2015	N	N	N	-111,672	909,470	19,571,508	19,637,808		N/A		N	Willows-Sacramento-Yolo County
655	Capital	Base	Y	38557	31153105	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	R-601 L-119A MP 2.36 STUB REMOVAL - MITI	Close-Out	5/1/2015	12/4/2015	3/11/2016	4/19/2016	N	N	N	14,748	166,693	276,562	278,562		N		N	Local Trans-north-Sac-vacadixon-Yolo County
656	Capital	Base	Y	38602	31184779	75	GT Pipeline Reliabil	75C	Regulator Stations	5758266-31062960 - STATION-ROB ROY CONTROL UPGRA	STATION[redacted] RETIREMENT	Engineering/Permitting	1/20/2016	3/14/2018	6/21/2018	5/22/2018	N	Y	N	146,080	165,299	165,299	2,778,902		Y		N	Local Trans-south-De Anza-San Mateo County
657	Capital	Base	Y	38611	74004059	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	R-677 L-301A MP 16.5 - 17.1 SHALLOW PIPE	Estimation	1/14/2016	6/2/2017	11/18/2017	10/26/2017	N	Y	N	126,680	210,748	210,748	6,428,089		N		N	Milpitas/hollister-Central Coast-Monterey County
658	Capital	Base	Y	38618	31166209	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-644 1816-01 MP 1.19 TEST MEDIUM ISSUE	Engineering/Perm tting	7/20/2015	4/10/2017	6/1/2017	5/19/2017	N	Y	N	98,064	175,256	201,997	1,685,698		N/A		N	Local Trans-south-Central Coast-Santa Cruz County
659	Capital	Base	Y	38621	31153102	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	1813-02 MP 10.61 MLV SET REPLACEMENT	Close-Out	4/9/2015	7/7/2016	9/3/2016	8/18/2016	N	N	Y	1,766,727	1,814,986	2,027,166	2,037,166		N		N	Local Trans-south-Central Coast-Monterey County
660	Capital	Base	Y	38808	31152085	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-191-1 GRADE 2+ 10"" V-3 REMOVAL	Close-Out	5/4/2015	8/19/2015	8/19/2015	11/16/2015	N	N	N	16,896	22,755	527,993	531,993		N/A		N	Local Trans-north-Diablo-Contra Costa County
661	Capital	Base	Y	38851	31154270	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	R-604 L-402B 0.5MI MP 9.94-MP9.45	Close-Out	5/1/2015	5/1/2015	4/4/2016	4/4/2016	N	N	N	104 918	1 127 776	2 354 990	2 354 990		N/A		N	Local Trans-north-North Valley-Shasta County
662	Capital	Base	Y	38864	31157453	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM-2403-02 VALVE RETIREMENT	Close-Out	7/3/2015	10/26/2015	12/11/2015	11/24/2015	N	N	N	23,100	38,508	726,406	726,406		N/A		N	Local Trans-north-Mission-Alameda County
663	Capital	Base	Y	38880	31152084	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	2403-01_REPLACE VALVE X-73	Close-Out	5/1/2015	5/1/2015	12/14/2015	12/14/2015	N	N	N	5,758	15,364	127,989	347,891		N/A		N	Local Trans-north-Mission-Alameda County
664	Capital	Base	Y	38886	74000282	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	MILPITAS L-132 SEPARATE REGULATION	Engineering/Perm tting	5/28/2015	10/13/2017	1/11/2018	12/11/2017	N	Y	N	129,618	161,264	163,311	1,298,998		N/A		N	Milp tas/hollister-Santa Clara County
665	Capital	Base	Y	38951	31157455	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-187 MP 12.71 INOP VALVES V-A V-B	Close-Out	6/11/2015	3/14/2016	4/16/2016	3/31/2016	N	N	N	-2 716	886 355	941 195	941 195		N/A		N	Local Trans-south-Central Coast-Monterey County
666	Capital	Base	Y	39057	31184778	75	GT Pipeline Reliabil	75C	Regulator Stations	5758266-31062960 - STATION-ROB ROY CONTROL UPGRA	KERN RIVER STA- REPLACE VAULTS & LADDERS	Engineering/Permitting	2/10/2016	1/5/2017	3/20/2017	2/16/2017	N	Y	N	140,522	194,716	194,716	767,601		N		N	L300-north-Kern County
667	Capital	Base	Y	39074	31186178	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	DAGGETT AIRPORT - INSTALL FILTERS	Construction	12/1/2015	12/1/2015	9/18/2017	9/18/2017	N	Y	N	1,082	24,301	24,996	27,856		N/A		N	Hinkley-San Bernardino County
668	Capital	Base	Y	39077	31186177	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	AMBOY REG STA - INSTALL FILTERS	Construction	12/1/2015	12/1/2015	9/13/2017	9/13/2017	N	Y	N	1,565	34,885	36,252	36,252		N/A		N	Topock-San Bernardino County
669	Capital	Base	Y	39103	31180271	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	PLEASANT CREEK STN - ADD 3RD REG	Construction	12/1/2015	12/1/2015	10/9/2017	10/9/2017	N	Y	N	32 207	76 270	77 660	1 523 862		N/A	2015	N	Los Medanos-Sac-vacadixon-Yolo County
670	Capital	Base	Y	39104	31180273	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	REDDING CALAVERAS INSTALL CONTROL VALVE	Engineering/Permitting	12/17/2015	5/22/2017	6/27/2017	7/10/2017	N	Y	N	366,163	471,498	476,681	1,676,681		N/A		N	Burney-North Valley-Tehama County
671	Capital	Base	Y	39110	74008490	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG4260 BUENA VISTA FIRE VALVE INSTALL	Engineering/Permitting	11/1/2016	11/1/2016	12/28/2017	12/28/2017	Y	N	N	171	171	171	350,171		Y		N	Local Trans-south-Central Coast-Monterey County
672	Capital	Base	Y	39166	74003106	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	124B MP 0.0-20.84 RETIREMENT	Estimation	12/1/2015	6/18/2018	12/7/2018	11/6/2018	N	Y	N	199,645	254,256	254,256	9,902,787		N		N	Local Trans-north-Sierra-Sacramento County
673	Capital	Base	Y	39173	31157454	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM-8806-01 MP 3.25 V-11-E1C REPLACEMENT	Close-Out	7/6/2015	10/6/2015	11/18/2015	10/23/2015	N	N	N	12,377	18,187	665,874	665,874		N		N	Local Trans-south-De Anza-Santa Clara County
674	Capital	Base	Y	39184	74000285	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM, CORROSION ENGINEERING	L119A & 172A RELOCATION - WEST SAC LEVEE	Engineering/Permitting	10/1/2015	10/1/2015	11/21/2019	11/21/2019	N	Y	N	2,595	17,709	17,864	642,132		N/A		N	Local Trans-north-Sac-vacadixon-Sacramento County
675	Capital	Base	Y	39216	31249433	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-590 DFM 1202-04 MP 2.37_8IN RELOCATION	Engineering/Permitting	5/14/2015	5/19/2017	6/15/2017	6/3/2017	N	N	N	33,135	33,135	33,135	1,033,244		N		N	Local Trans-south-Fresno-Fresno County
676	Capital	Base	Y	39453	31169238	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0824-02 MP 1.96 GRADE 2 LEAK TAYLOR ST	Close-Out	7/16/2015	9/22/2015	9/22/2015	10/13/2015	N	N	N	56,712	449,774	603,281	608,281		N		N	Local Trans-south-San Jose-Santa Clara County
677	Capital	Base	Y	39454	31169464	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-633 DFM 0821-02 MP 8.15 ERW REPLACEME	Close-Out	7/16/2015	2/16/2016	3/31/2016	4/7/2016	N	N	N	-2,933	1,297,420	1,369,026	1,389,024		N/A		N	Local Trans-south-De Anza-Santa Clara County
678	Capital	Base	Y	39464	31159924	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	BUILD TEMPORARY REGULATION SET	Close-Out	6/1/2015	6/1/2015	9/13/2016	9/13/2016	N	N	Y	-9,218	78,152	479,224	479,224		N/A		N	Systemwide-Systemwide-Multiple Counties
679	Capital	Base	Y	39483	P.09946	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-309, L-107 Fremont WBS	Construction	1/5/2012	5/18/2015	5/25/2016	5/11/2016	N	N	N	-1,214,147	14,185,931	44,211,697	44,261,697		N/A		N	Milp tas/hollister-Mission-Santa Clara County
680	Capital	Base	Y	39484	P.09947	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-292, L-132 SOUTH SAN FRANCISCO WBS	Construction	11/3/2010	1/6/2015	6/13/2015	10/14/2014	N	N	N	43,601	72,948	24,499,915	24,509,215		N/A		N	Local Trans-south-Peninsula-San Mateo County
681	Capital	Base	Y	39489	31160896	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-224 L150 RETIRE 16.6-17.5, L150&220 RE	Close-Out	6/1/2015	6/1/2015	11/4/2015	11/4/2015	N	N	N	-2,586	267,637	797,288	897,290		N		N	Rio Vista-Sac-vacadixon-Yolo County
682	Capital	Base	Y	39494	31160704	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	1305-01_8.58_GRADE 2+ LEAK	Close-Out	6/1/2015	6/1/2015	8/21/2015	8/21/2015	N	N	N	5,299	10,057	327,611	327,611		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
683	Capital	Base	Y	39495	31162749	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-634 1305-01_8.58_REPLACE 500 FEET	Close-Out	7/21/2015	10/19/2015	12/2/2015	11/3/2015	N	N	N	7,991	-123,810	1,053,751	1,053,751		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
684	Capital	Base	Y	39691	31165531	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-626 DFM 1816-02 MP 0.00-0.06 REPL	Close-Out	7/1/2015	11/9/2015	1/26/2016	4/25/2016	N	N	N	18,402	206,632	1,454,522	1,454,522		Y		N	Local Trans-south-Central Coast-Santa Cruz County
685	Capital	Base	Y	39796	31169465	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0821-01 MP 4.53 INOP 13-H6B MILLPOND SJ	Close-Out	7/16/2015	3/14/2016	4/4/2016	3/30/2016	N	N	N	11,874	674,443	703,671	713,671		N		N	Local Trans-south-San Jose-Santa Clara County
686	Capital	Base	Y	39995	31169472	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM CORROSION ENGINEERING	RT-635 L119A MP 8.20-8.45 PIPE REPLACEME	Close-Out	7/1/2015	7/17/2015	8/12/2015	7/28/2015	N	N	N	29 227	70 011	603 956	603 956		N/A		N	Local Trans-north-Sacramento-Yolo County
687	Capital	Base	Y	40033	31169468	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-301B MP 7.91 V-B INOP VALVE	Close-Out	7/16/2015	3/17/2016	4/25/2016	4/7/2016	N	N	N	25,432	1,116,723	1,134,289	1,144,289		N/A		N	Local Trans-south-Central Coast-Monterey County
688	Capital	Base	Y	40034	31169469	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0840-01 MP 2.1 INOP VALVE 75-B5A	Close-Out	7/1/2015	4/4/2016	5/2/2016	4/26/2016	N	N	N	7,434	832,317	870,735	880,735		N		N	Local Trans-south-San Jose-Santa Clara County
689	Capital	Base	Y	40218	31169230	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-629 L-162A MP 6.05-6.08 REPL	Close-Out	7/15/2015	2/16/2016	5/3/2016	4/11/2016	N	N	N	189,937	1,761,931	1,900,926	1,905,426		Y		N	Local Trans-north-Stockton-San Joaquin County
690	Capital	Base	Y	40221	31169233	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	RT-631 DFM 1816-01 MP 0.00 REPL	Close-Out	7/15/2015	3/21/2016	5/11/2016	4/22/2016	N	N	N	65 451	1 994 883	2 185 134	2 210 134		N/A		N	Local Trans-south-Central Coast-Santa Cruz County
691	Capital	Base	Y	40226	74002402	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-402 MP 10.14-27.41 T-1003 CAPITAL	Close-Out	12/1/2015	12/1/2015	8/3/2016	8/3/2016	N	N	Y	13,644,298	14,388,239	14,388,359	14,586,359		N		N	Local Trans-north-North Valley-Shasta County
692	Capital	Base	Y	40254	31169733	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-641 STUB6186 MP 0.00-0.002 REPL	Close-Out	7/17/2015	3/28/2016	5/6/2016	4/21/2016	N	N	N	56,578	790,643	846,630	851,130		N/A		N	Local Trans-north-Stockton-San Joaquin County
693	Capital	Base	Y	40292	74003109	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	3009-01 RETIREMENT OF TRANSMISSION ASSET	Engineering/Permitting	3/21/2016	4/3/2018	6/27/2018	5/29/2018	N	Y	N	41,761	137,736	137,736	651,676				N	Los Medanos-Diablo-Contra Costa County
694	Capital	Base	Y	40343	74004225	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-109 MP 49.44 REMOVE V1 & V2	Close-Out	1/5/2016	7/11/2016	8/10/2016	11/16/2016	N	N	Y	341 690	341 898	341 898	351 898		Y		N	Local Trans-south-San Francisco-San Francisco Coun
695	Capital	Base	Y	40393	74003150	75	GT Pipeline Reliabil	75M	Shallow Pipe	5510459-GSM, CORROSION ENGINEERING	057B_MP 3.39 - 4.31_REPLACE_PIPE	Engineering/Permitting	12/1/2015	8/1/2017	1/9/2018	12/14/2017	N	Y	N	41,695	53,856	53,856	7,661,193		Y		N	Mcdonald Island-Stockton-San Joaquin County
696	Capital	Base	Y	40394	31175104	75	GT Pipeline Reliabil	75T		5510459-GSM, CORROSION ENGINEERING	R- L-191-1 LOWERING MAIN SITE 8	Close-Out	5/28/2014	7/11/2016	8/26/2016	7/28/2016	N	N	Y	896,315	938,368	975,094	1,224,694		N/A		N	Local Trans-north-Diablo-Contra Costa County
697	Capital	Base	Y	40408	31208474	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG4919 MP 0.275 REMOVE V-503 AND V-016	Close-Out	1/28/2016	6/14/2016	7/13/2016	6/30/2016	N	N	Y	376,568	959,656	959,656	969,656		Y		N	Local Trans-north-Stockton-San Joaquin County
698	Capital	Base	Y	40431	31179850	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	STATION-DIANA AVE & 300A V-6-11-13 INOP	Close-Out	10/29/2015	4/11/2016	5/9/2016	4/27/2016	N	N	N	14 736	878 598	883 632	883 632		N		N	Milpitas/hollister-San Jose-Santa Clara County
699	Capital	Base	Y	40500	74004122	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-021F MP 1.47 REPLACE VALVE 1	Close-Out	2/1/2016	6/14/2016	7/22/2016	6/30/2016	N	N	Y	479,655	976,102	976,102	986,104		N		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
700	Capital	Base	Y	40521	31184767	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-108 PH2 1.11MI MP 39.01-40.27 REPLACE	Close-Out	9/15/2012	10/3/2016	12/14/2016	11/14/2016	N	N	Y	4,447,899	4,454,907	4,459,146	4,691,682		N	2011	N	Local Trans-north-Stockton-San Joaquin County
701	Capital	Base	Y	40784	31208476	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0614-13 MP 0.00 RPLC INOP V-D26	Close-Out	1/25/2016	5/16/2016	7/11/2016	6/9/2016	N	N	Y	169,378	878,734	878,734	888,736		N		N	Local Trans-north-Sacramento-Sacramento County
702	Capital	Base	Y	40785	31208477	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0614-03 MP 1.91 RPLC INOP V-D24	Close-Out	1/25/2016	6/1/2016	10/10/2016	7/11/2016	N	N	Y	52,885	1,112,863	1,112,863	1,122,863		Y		N	Local Trans-north-Sacramento-Sacramento County
703	Capital	Base	Y	40818	74006204	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0821-02 MP 7.55-8.16 BASCOM VALVE ISSUES	Engineering/Permitting	5/1/2016	7/1/2017	8/3/2017	7/29/2017	N	N	N	32,979	32,979	32,979	1,132,671		N		N	Local Trans-south-De Anza-Santa Clara County
704	Capital	Base	Y	40823	31185115	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 66.208-66.897 T-1036B CAPITAL	Close-Out	9/1/2015	9/1/2015	4/29/2016	4/29/2016	N	N	N	-119,144	820,224	834,648	834,648		Y		N	Local Trans-south-Yosemite-Merced County
705	Capital	Base	Y	40828	31200514	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	GRAPE WAY REPLACE D/S BLOCK VALVES	Close-Out	10/28/2015	8/29/2016	11/14/2016	10/24/2016	N	N	Y	551,741	652,601	657,058	707,058		N/A		N	Meridian-North Valley-Butte County
706	Capital	Base	Y	40873	31185453	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-107M13.08-15.70RETIRE 13835-24 TOP100	Close-Out	12/30/2009	9/30/2015	10/22/2015	12/10/2015	N	N	N	8,978	10,387	613,076	613,076		N/A		N	Local Trans-north-Mission-Alameda County
707	Capital	Base	Y	40875	31185454	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	JOHNS MANVILLE BRIDLE OFF L-401	Close-Out	8/1/2015	12/7/2015	3/23/2016	3/8/2016	N	N	N	23,592	614,974	728,695	728,695		N/A		N	Willows-Glenn County
708	Capital	Base	Y	40941	31187654	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	RT-665 137D 3.11 GRADE 2+ LEAK	Close-Out	9/1/2015	11/9/2015	11/18/2015	11/18/2015	N	N	N	15,937	48,600	449,464	449,464		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
709	Capital	Base	Y	40985	31187737	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-100 GCUST 5835 MP 0.22 DOWNGRADE TO D	Close-Out	6/23/2014	2/16/2016	3/18/2016	3/2/2016	N	N	N	63,327	630,674	728,999	728,999		N		N	Local Trans-north-Stockton-San Joaquin County
710	Capital	Base	Y	40991	74003151	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	X9911_MP0.0-0.1325_RETIRE VT-27	Engineering/Permitting	3/1/2016	3/1/2016	9/20/2017	9/20/2017	N	Y	N	1,769	3,088	3,088	203,088		Y		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
711	Capital	Base	Y	40994	31188544	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	RT-664 BD15184 & BD15185 REPLACE	Close-Out	9/28/2015	3/7/2016	11/30/2016	4/24/2016	N	N	Y	910 699	3 012 068	3 080 559	3 498 438		N/A		N	Local Trans-north-North Bay-san Rafael-Marin Count
712	Capital	Base	Y	40999	31195477	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0611-18 MP 4.5 RPLC IN OP V-C24	Close-Out	11/4/2015	4/18/2016	6/7/2016	5/9/2016	N	N	N	51,533	588,600	601,089	611,089		N		N	Local Trans-north-Sacramento-Sacramento County
713	Capital	Base	Y	41035	74004063	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-700 L-131 MP 28.00-31.83 RPLC 24-IN	Estimation	12/9/2015	4/23/2018	10/6/2018	9/13/2018	N	Y	N	442,579	641,499	641,499	34,970,114		N/A		N	Tracy-Mission-Alameda County
714	Capital	Base	Y	41056	74003703	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L132 MP 19.22 REPLACE INOP V-302	Close-Out	1/4/2016	10/3/2016	10/14/2016	9/2/2016	N	N	Y	446,883	488,818	488,818	498,820		Y		N	Local Trans-south-Peninsula-San Mateo County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
715	Capital	Base	Y	41137	31195842	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM-0834-01 MP 3.57-3.96 T-1011 CAPITAL	Close-Out	10/1/2015	10/1/2015	4/14/2016	4/14/2016	N	N	N	-24,823	442,507	442,629	442,629		Y		N	Local Trans-south-Central Coast-Santa Clara County
716	Capital	Base	Y	41293	31208761	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-103 MP 10.32 INOP V-A-B	Close-Out	11/1/2015	6/13/2016	7/15/2016	7/6/2016	N	N	Y	519,255	1,133,902	1,133,902	1,143,902		N		N	Milp tas/hollister-Central Coast-San Benito County
717	Capital	Base	Y	41296	31200000	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-693 RT-693 137A 0.11 GRADE 2+ LEAK	Close-Out	11/11/2015	1/4/2016	2/5/2016	3/14/2016	N	N	N	17 073	390 692	449 293	459 293		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
718	Capital	Base	Y	41344	31200815	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-702 PORTABLE REGULATION SET_001	Construction	11/1/2015	11/1/2015	12/28/2017	12/28/2017	N	Y	N	526,369	611,061	611,789	630,189		N/A		N	Systemwide-Systemwide-Multiple Counties
719	Capital	Base	Y	41349	31200816	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-703 PORTABLE REGULATION SET_002	Construction	11/1/2015	11/1/2015	12/28/2017	12/28/2017	N	Y	N	18,692	28,123	28,791	429,804		N/A		N	Systemwide-Systemwide-Multiple Counties
720	Capital	Base	Y	41404	31205562	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	I-104K L-177A ILI UP LINE 189 1.71-1.72	Close-Out	11/1/2015	12/1/2015	8/9/2016	8/9/2016	N	N	Y	6,386	99,757	100,340	108,398		Y		N	Local Trans-north-North Coast-eureka-Humboldt Coun
721	Capital	Base	Y	41423	74003340	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0614-04/20 & XT INOP V-D54/55/56/57	Construction	12/1/2015	9/1/2016	8/1/2017	11/22/2016	N	Y	N	4 071 409	4 174 038	4 174 038	4 184 040		Y		N	Local Trans-north-Sacramento-Sacramento County
722	Capital	Base	Y	41445	74003781	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0617-16 MP 0.2231 IN OP V-D90	Close-Out	1/1/2016	9/8/2016	11/15/2016	9/26/2016	N	N	Y	295,917	324,477	324,477	334,479		Y		N	Local Trans-north-Sacramento-Sacramento County
723	Capital	Base	Y	41515	74004320	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-766 L-400 MP 139.25 REPLACE EXPOSED PI	Engineering/Permitting	2/1/2016	5/26/2018	9/24/2018	8/31/2018	N	Y	N	129,718	183,513	183,513	10,456,366		N		N	Local Trans-north-Sierra-Tehama County
724	Capital	Base	Y	41984	31209101	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-147 DREG4175 MP0-0.02 REPLMNT	Close-Out	12/1/2015	12/1/2015	5/9/2016	5/9/2016	N	N	N	181,354	503,326	504,461	538,885		N/A		N	Local Trans-south-San Jose-Santa Clara County
725	Capital	Base	Y	41986	74004035	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0606-03 INOP VALVE A-31	Close-Out	2/1/2016	9/27/2016	11/28/2016	11/11/2016	N	N	Y	1 928 125	1 966 815	1 966 815	1 976 817		N		N	Local Trans-north-Sacramento-Sacramento County
726	Capital	Base	Y	42004	74008492	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L137C 6.75 PERMANENT LEAK REPAIR	Engineering/Permitting	12/1/2016	12/1/2016	12/28/2017	12/28/2017	Y	N	N	412	412	412	300,412		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
727	Capital	Base	Y	42049	31211217	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM 7204-01 MP 1.89-1.96 T-1111 CAPITAL	Close-Out	2/1/2016	2/1/2016	4/29/2016	4/29/2016	N	N	N	-39,220	378,537	378,537	378,537		N		N	Local Trans-south-Yosemite-Merced County
728	Capital	Base	Y	42058	74003152	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DOWNING AVE <(>&<)> COFFEE RD_REMOVE EQU	Close-Out	3/1/2016	3/1/2016	7/21/2016	7/21/2016	N	N	Y	63	1,665	1,665	351,665		Y		N	L300-north-Kern-bakersfield-Kern County
729	Capital	Base	Y	42125	31212480	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-726 L-105N MP 36.02-36.34 REPLACE	Engineering/Permitting	2/9/2016	1/23/2017	2/27/2017	2/17/2017	N	Y	N	84,354	135,051	135,051	1,100,279		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
730	Capital	Base	Y	42198	74003780	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	TOPOCK REBUILD VALVE NEST A	Engineering/Permitting	3/15/2016	3/15/2017	9/12/2017	8/11/2017	N	Y	N	712,371	744,410	744,410	14,710,631		Y		N	Topock-Kern-San Bernardino County
731	Capital	Base	Y	42200	74003107	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	L-1202-01 MP 0.00_FL+GLC_REPLACE TEE	Construction	1/1/2016	12/9/2016	1/20/2017	12/19/2016	N	Y	N	41,054	51,354	51,354	718,168				N	Local Trans-south-Fresno-Fresno County
732	Capital	Base	Y	42233	31214384	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	RT-716 DFM 0111-02 GRD 2+ LEAK V-2106	Close-Out	1/26/2015	1/23/2016	1/28/2016	1/25/2016	N	N	N	66,088	355,114	355,114	365,116		Y		N	Local Trans-south-San Francisco-Alameda County
733	Capital	Base	Y	42253	31220302	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-177A MP 190.26 LOWER EXPOSED PIPE	Engineering/Permitting	2/26/2016	4/16/2018	9/29/2018	9/6/2018	N	Y	N	22,369	25,146	25,146	1,925,146		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
734	Capital	Base	Y	42551	74004228	75	GT Pipeline Reliabil	75C	Regulator Stations	5758245-31059617 - SAC DIVISION TRANSDUCER REPLA	HERNDON JUNCTION_REPLACE METER & VALVE	Construction	3/1/2016	12/12/2016	1/25/2017	12/27/2016	N	Y	N	313,131	336,729	336,729	696,729		N		N	Local Trans-south-Fresno-Fresno County
735	Capital	Base	Y	42567	31226866	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-766 131 MP 55.25 REMOVE LKING TAP VLV	Close-Out	3/1/2016	4/4/2016	4/29/2016	11/30/2016	N	N	N	97,933	1,291,116	1,291,116	1,552,532		Y		N	Milpitas/hollister-San Jose-Alameda County
736	Capital	Base	Y	42819	74004851	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM-7226-01 REPLACE INOP V-2 & V-21.49A	Engineering/Permitting	4/1/2016	4/3/2017	5/2/2017	4/27/2017	N	Y	N	112,362	124,968	124,968	774,897		N		N	Local Trans-south-Yosemite-merced-Stanislaus Count
737	Capital	Base	Y	42941	74005501	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	3001-01 MP2.16 REMOVE VLVS D76, D78, D79	Close-Out	5/1/2016	10/26/2016	11/11/2016	11/7/2016	N	N	Y	427,835	429,389	429,389	438,986		N		N	Local Trans-north-Diablo-Santa Cruz County
738	Capital	Base	Y	601383	30732341	75	GT Pipeline Reliabil	75K	Water and Levee	5510459-GSM CORROSION ENGINEERING	LINE 137C MP 0.26 REPLACE RIVER	Close-Out	12/1/2009	12/1/2009	10/25/2016	10/25/2016	N	N	Y	-1 560	-1 560	338 580	338 580		N/A		N	Systemwide-Systemwide-Humboldt County
739	Capital	Base	Y	601723	31074984	75	GT Pipeline Reliabil	75I	Valve Automation	5512241-G TRANS RELIABILITY - PIPELINE	V-216 VALVE AUTO - L402 MP 20.72 PH2	Engineering/Perm tting	5/1/2014	5/1/2014	1/28/2017	1/28/2017	N	Y	N	9,974	9,974	297,552	297,552		N/A		N	Systemwide-Systemwide-Shasta County
740	Capital	Base	Y	601724	31074986	75	GT Pipeline Reliabil	75I	Valve Automation	5512241-G TRANS RELIABILITY - PIPELINE	V-217 VALVE AUTO - L402 MP 27.98 PH2	Engineering/Perm tting	5/1/2014	5/1/2014	1/28/2017	1/28/2017	N	Y	N	-5,001	-5,001	313,430	313,430		N/A		N	Systemwide-Systemwide-Shasta County
741	Capital	Base	Y	601726	31075003	75	GT Pipeline Reliabil	75I	Valve Automation	5512241-G TRANS RELIABILITY - PIPELINE	V-214 VALVE AUTO - L402 MP 9.96 PH2	Engineering/Perm tting	5/1/2014	5/1/2014	1/28/2017	1/28/2017	N	Y	N	-3,051	-3,051	250,519	250,519		N/A		N	Systemwide-Systemwide-Shasta County
742	Capital	Base	Y	601727	31075007	75	GT Pipeline Reliabil	75I	Valve Automation	5512241-G TRANS RELIABILITY - PIPELINE	V-215 VALVE AUTO - L402 MP 14.76 PH2	Engineering/Permitting	5/1/2014	5/1/2014	1/28/2017	1/28/2017	N	Y	N	-4 093	-4 093	266 073	266 073		N/A		N	Systemwide-Systemwide-Shasta County
743	Capital	Base	Y	601755	31099961	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	SP3/L191 X-TIE REPLACE MONITOR CONTROLS	Engineering/Perm tting	1/1/2015	1/1/2015	1/28/2017	1/28/2017	N	Y	N	123,156	123,156	272,264	272,264		Y		N	Systemwide-Systemwide-Contra Costa County
744	Capital	Base	Y	601767	31101248	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-501 153_2 MP 7.34-9.18	Engineering/Perm tting	12/1/2014	12/1/2014	8/28/2016	8/28/2016	N	N	Y	703	703	564,748	564,748		N/A		N	Systemwide-Systemwide-Alameda County
745	Capital	Base	Y	4782	74000718	76	GT Station Reliabili	76X		5501693-GSM L300 STATION RELIABILITY	BURNEY K2, GAS TURBINE REPLACEMENT	Estimation	12/20/1997	3/16/2017	5/4/2018	11/17/2017	N	Y	N	11,826,067	23,162,135	24,713,191	66,213,191		N	2011	N	Burney-North Valley-Shasta County
746	Capital	Base	Y	7828	31287909	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	SEAL ASPHALT HINKLEY COMP - CAP 7002895	Construction	12/1/2016	12/1/2016	6/28/2018	6/28/2018	Y	N	N	620 118	620 118	620 118	1 270 118		N		N	Hinkley-San Bernardino County
747	Capital	Base	Y	8236	30603681	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK K4 REPLACE FOUNDATION	Construction	1/14/2013	11/28/2016	6/22/2017	5/31/2017	N	Y	N	373,252	533,471	674,142	1,874,142		N	2011	N	Topock-Kern-San Bernardino County
748	Capital	Base	Y	9333	30603762	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	*CANC*TIONESTA K-1, GAS TURBINE REPLACEM	Close-Out	5/12/2015	5/12/2015	12/30/2016	12/30/2016	N	N	Y						N		N	Burney-Shasta County
749	Capital	Base	Y	15194	30603775	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	TOPOCK REPLACE K-UNIT CONTROL PANELS	Close-Out	2/15/2012	9/1/2013	5/16/2014	5/16/2014	N	N	N	7,401	2,425	5,984,786	5,984,786		N/A		N	Topock-Kern-San Bernardino County
750	Capital	Base	Y	17643	30604053	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	GT INDIAN SPRINGS STATION UPGRADE	Close-Out	1/21/2009	8/18/2014	11/7/2014	3/31/2015	N	N	N	24,126	63,876	3,235,976	3,235,976		N/A		N	Burney-North Valley-Shasta County
751	Capital	Base	Y	17692	30604077	76	GT Station Reliabili	76E	Terminal Reliability	5501697-GSM< TERMINAL RELIABILITY	*CANC*MCD ISLAND REWORK WELL 3 (2015)	Close-Out	2/23/2015	2/23/2015	12/15/2015	12/15/2015	N	N	N						N/A		N	Mcdonald Island-Diablo-Contra Costa County
752	Capital	Base	Y	18062	30604198	76	GT Station Reliabili	76E	Terminal Reliability	5501697-GSM< TERMINAL RELIABILITY	*CANC*UNFORSEEN GT STATION CAPITAL PROJ	Close-Out	1/3/2007	1/3/2007	1/29/2017	12/31/2020	N	N	N						N	2011	N	Hinkley-Contra Costa County
753	Capital	Base	Y	18931	30605993	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	DELEVAN K-3, INSTALL ELECTRIC VFD STARTE	Close-Out	1/1/2015	1/1/2015	8/5/2016	8/5/2016	N	N	Y	328	645	9,151	543,882		N		N	Willows-Colusa County
754	Capital	Base	Y	19244	30633192	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY CS K11&K12 INSTALL UNIT FLOW MTR	Close-Out	3/1/2009	3/1/2009	1/31/2013	1/31/2013	N	N	N	2,147	4,217	57,150	57,150		N		N	Hinkley-Kings County
755	Capital	Base	Y	19261	30625058	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	TOPOCK SECURITY SYSTEM INSTALLATION	Close-Out	5/8/2008	11/17/2014	10/9/2015	5/22/2015	N	N	N	5,819	10,775	2,533,958	2,533,958		N/A		N	Topock-San Bernardino County
756	Capital	Base	Y	19308	30630555	76	GT Station Reliabili	76E	Terminal Reliability	5501697-GSM< TERMINAL RELIABILITY	BRENTWOOD OPP ON L57A FROM L2	Close-Out	1/5/2012	1/22/2015	5/8/2015	3/19/2015	N	N	N	19,762	39,450	2,341,108	2,365,086		N/A		N	Tracy-Diablo-Contra Costa County
757	Capital	Base	Y	19425	74000719	76	GT Station Reliabili	76T		5501693-GSM L300 STATION RELIABILITY	TOPOCK CS CONTROL UPGRADE	Close-Out	2/15/2012	1/18/2018	2/26/2019	1/29/2019	N	Y	N	224,008	671,255	3,679,367	12,987,586		Y		N	Topock-Kern-bakersfield-San Bernardino County
758	Capital	Base	Y	20609	30841108	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS TCS - REPLACE MCC	Engineering/Permitting	6/18/2013	4/2/2018	9/26/2018	9/8/2018	N	Y	N	242,536	542,260	674,874	5,766,201		N/A		N	Mcdonald Island-Stockton-Colusa County
759	Capital	Base	Y	20613	30712856	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	KETTLEMAN K2 TURBINE EXCHANGE	Close-Out	1/1/2012	1/1/2012	10/19/2012	10/19/2012	N	N	N			1,292,158	1,292,158		N/A	2011	N	Kettleman-Fresno-Kings County
760	Capital	Base	Y	20616	30713887	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	BETHANY UNIT VFD REPLACEMENT	Close-Out	1/19/2011	7/28/2014	9/4/2015	12/22/2015	N	N	N	68,445	634,672	14,185,405	14,185,405		N/A	2011	N	Tracy-Stockton-San Joaquin County
761	Capital	Base	Y	20634	30726195	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY K10 REPLACE ACTUATORS	Close-Out	1/27/2010	3/1/2010	4/2/2013	4/2/2013	N	N	N			587,879	592,879		N/A		N	Hinkley-Kern-San Bernardino County
762	Capital	Base	Y	20641	30713886	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	BETHANY UPGRADE UNIT CONTROLS	Close-Out	5/1/2009	10/21/2014	12/4/2015	12/7/2015	N	N	N	35,455	65,950	2,796,906	2,965,406		N/A		N	Tracy-Stockton-Alameda County
763	Capital	Base	Y	20694	P.04337	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS WSS REBUILD	Close-Out	10/14/2010	10/1/2010	11/17/2012	11/17/2012	N	N	N	109 061	131 082	49 504 590	49 529 590		N/A	2011	N	Mcdonald Island-Diablo-San Joaquin County
764	Capital	Base	Y	20695	30712996	76	GT Station Reliabili	76C	Do Not Use-Use 76K o	5501697-GSM< TERMINAL RELIABILITY	*CANC*MCD IS WSS - REBUILD GAS PROCESSI	Close-Out	3/2/2012	3/2/2012	3/2/2012	3/2/2012	N	N	N						N	2011	N	Mcdonald Island-San Joaquin County
765	Capital	Base	Y	20698	30980857	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK - REPLACE GAS DETECTORS	Construction	6/18/2013	11/28/2016	8/17/2017	7/31/2017	N	Y	N	750,173	999,221	1,510,863	3,311,013		Y		N	Topock-Kern-San Bernardino County
766	Capital	Base	Y	20892	30716153	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	DELEVAN K-3 TURBINE EXCHANGE	Close-Out	10/16/2012	4/16/2013	6/21/2013	4/29/2013	N	N	N			2,424,324	2,424,324		N/A	2011	N	Willows-Glenn County
767	Capital	Base	Y	21063	30726310	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	LOS MEDANOS - FACILITY AUTOMATION	Close-Out	8/13/2009	8/1/2009	10/29/2010	10/29/2010	N	N	N	123 850	249 258	3 710 860	3 710 860		N/A		N	Los Medanos-Diablo-Contra Costa County
768	Capital	Base	Y	21175	30763087	76	GT Station Reliabili	764		5501688-GSM REG STATIONS	GT L-132 MP46.59 REBUILD MARTIN STATION	Close-Out	1/27/2010	8/13/2012	4/23/2013	2/27/2013	N	N	N	7,180	7,259	9,210,080	9,242,335		N/A		N	Local Trans-south-Peninsula-San Mateo County
769	Capital	Base	Y	21727	31100373	76	GT Station Reliabili	76O		5501693-GSM L300 STATION RELIABILITY	SANTA ROSA CS GAS AND FIRE DETECTION	Close-Out	4/24/2015	12/7/2015	1/13/2016	1/14/2016	N	N	N	27,514	226,514	601,522	651,522		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
770	Capital	Base	Y	22074	30841097	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY CS INSTALL GAS COOLER DAVIT ARMS	Close-Out	1/5/2012	5/16/2016	5/20/2016	5/24/2016	N	N	N	16,949	156,766	262,852	312,743		Y		N	Hinkley-Kern-San Bernardino County
771	Capital	Base	Y	22091	30841098	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY - INSTALL OIL HEATER K11 & K12	Estimation	1/5/2012	2/15/2017	5/16/2017	5/1/2017	N	Y	N	332 623	697 348	938 499	1 615 842		Y		N	Hinkley-Kern-Colusa County
772	Capital	Base	Y	22092	30804863	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY - INSTALL JW SURGE TANKS & PUMPS	Close-Out	1/5/2012	9/28/2015	11/30/2016	9/15/2016	N	N	Y	7,927,785	15,260,010	20,797,390	21,197,714		N/A		N	Hinkley-Kern-San Bernardino County
773	Capital	Base	Y	22158	30841071	76	GT Station Reliabili	763		5501688-GSM REG STATIONS	D-10 DFM MRC-26 RELOCATE MAGNOLIA REG	Close-Out	6/10/2010	10/1/2013	9/17/2016	9/17/2016	N	N	Y	2,401	4,716	64,092	624,092		N		N	Local Trans-north-Sierra-Yuba County
774	Capital	Base	Y	23243	31017176	76	GT Station Reliabili	764		5501688-GSM REG STATIONS	CUMMINGS CREEK_STATION REBUILD	Estimation	9/1/2013	3/17/2017	7/29/2017	7/12/2017	N	Y	N	1,653,071	1,916,037	2,165,571	6,665,655		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
775	Capital	Base	Y	24259	30903157	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS TCS - REBUILD WASTE WATER SYSTEM	Engineering/Perm tting	1/5/2012	3/23/2017	6/20/2017	5/31/2017	N	Y	N	766,897	942,984	948,204	4,348,204		N/A		N	Mcdonald Island-Diablo-San Joaquin County
776	Capital	Base	Y	24412	30850648	76	GT Station Reliabili	76I	Station Other	5501693-GSM L300 STATION RELIABILITY	YUBA CITY HOLDER	Close-Out	6/15/2011	9/15/2014	5/1/2015	12/4/2014	N	N	N	20,783	43,330	3,044,423	3,069,423		N/A		N	Local Trans-north-Sierra-Sutter County
777	Capital	Base	Y	24459	30861963	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCDI TCS & WSS REBUILD FIRE WATER SYSTEM	Engineering/Perm tting	1/5/2012	6/9/2017	11/20/2017	11/1/2017	N	Y	N	195,225	413,060	854,812	2,854,812		N/A		N	Mcdonald Island-Stockton-San Joaquin County
778	Capital	Base	Y	24470	30878687	76	GT Station Reliabili	764		5501697-GSM< TERMINAL RELIABILITY	SHERIDAN RD REBUILD STATION-ECON STIM	Close-Out	7/1/2011	1/25/2016	7/14/2016	7/15/2016	N	N	Y	1,168,988	8,052,566	12,813,787	12,963,787		N/A		N	Milpitas/hollister-Mission-Santa Clara County
779	Capital	Base	Y	24564	31100721	76	GT Station Reliabili	76V		5501693-GSM L300 STATION RELIABILITY	SANTA ROSA COMP- REPLACE PLC AND I/O	Construction	4/10/2015	7/18/2016	1/4/2017	12/13/2016	N	Y	N	847,829	1,571,623	1,784,095	1,834,095		Y		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
780	Capital	Base	Y	24567	30895703	76	GT Station Reliabili	764		5501697-GSM< TERMINAL RELIABILITY	HERMANN STA- AUTOMATE BYPASS	Close-Out	10/19/2011	8/28/2014	2/5/2016	11/4/2015	N	N	N	-6,563	449,050	18,366,093	18,411,198		N/A		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
781	Capital	Base	Y	24581	30895616	76	GT Station Reliabili	76Z		5501697-GSM< TERMINAL RELIABILITY	PANOCHE SECURITY UPGRADE	Close-Out	12/26/2011	10/19/2015	6/14/2016	5/31/2016	N	N	N	273,397	2,064,552	4,403,370	4,433,370		N/A		N	L300-north-Fresno-Fresno County
782	Capital	Base	Y	24659	30856313	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK INSTALL SUCTION SEPARATION	Close-Out	9/21/2011	6/3/2013	1/17/2014	11/27/2012	N	N	N	18,619	22,072	13,491,705	13,491,705		N/A		N	Topock-Kern-San Bernardino County
783	Capital	Base	Y	24765	30859798	76	GT Station Reliabili	764		5501688-GSM REG STATIONS	L-109 MP43.47 REBUILD SULLIVAN STATION	Close-Out	6/28/2011	9/19/2012	9/19/2012	4/8/2013	N	N	N	16,463	22,160	5,823,105	5,872,540		N/A		N	Local Trans-south-Peninsula-San Mateo County
784	Capital	Base	Y	24766	30859799	76	GT Station Reliabili	764		5512183-GT STATION RELIABILITY	L-101 MP33.68 REBUILD LOMITA PARK STN	Close-Out	7/20/2011	9/15/2014	5/1/2015	2/26/2015	N	N	N	50,091	80,204	8,325,487	8,636,890		N/A		N	Local Trans-south-Peninsula-San Mateo County
785	Capital	Base	Y	24837	30866384	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	TOPOCK - INSTALL METERING AND ODORIZER	Close-Out	7/1/2011	7/1/2011	8/2/2012	8/2/2012	N	N	N	28,953	29,152	2,010,367	2,010,367		N/A		N	Topock-Kern-San Bernardino County
786	Capital	Base	Y	24927	30903726	76	GT Station Reliabili	76O		5501693-GSM L300 STATION RELIABILITY	HINKLEY - REPLACE FIRE DETECTION SYSTEMS	Close-Out	1/5/2012	6/23/2014	3/1/2016	4/19/2015	N	N	N	35,156	322,204	988,967	1,045,299		N/A		N	Hinkley-Kern-San Bernardino County
787	Capital	Base	Y	24981	30901002	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	DELEVAN MLVS INSTALL OPP	Construction	1/5/2012	8/31/2015	12/31/2016	5/23/2016	N	N	Y	485,387	7,218,912	12,156,755	12,256,755		N/A		N	Willows-North Valley-Colusa County
788	Capital	Base	Y	25275	30911529	76	GT Station Reliabili	76Z		5501697-GSM< TERMINAL RELIABILITY	IRVINGTON INSTALL SECURITY SYSTEM	Close-Out	5/31/2012	9/21/2015	4/15/2016	1/12/2016	N	N	N	-61 829	522 332	4 742 496	4 742 496		N/A		N	Milpitas/hollister-Santa Clara County
789	Capital	Base	Y	25283	30903156	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	GERBER STATION GAS CHROMATOGRAPH	Close-Out	1/5/2012	2/1/2012	8/31/2016	8/31/2016	N	N	Y	680	3,016	18,483	2,633,543		N/A		N	Willows-Tehama County
790	Capital	Base	Y	26607	30910203	76	GT Station Reliabili	763		5501688-GSM REG STATIONS	DREG5464 REBUILD PRI DRS MARIANI	Engineering/Permitting	3/26/2012	5/14/2018	10/13/2018	9/19/2018	N	Y	N	13,026	41,649	253,039	1,298,245		N/A		N	Local Trans-north-Sac-vacadixon-Yolo County
791	Capital	Base	Y	26642	30952256	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY INSTALL SUCTION SEPARATION	Engineering/Perm tting	6/18/2013	3/15/2018	11/2/2018	8/29/2018	N	Y	N	55,944	75,131	965,385	11,636,614		N/A		N	Hinkley-San Bernardino County
792	Capital	Base	Y	26659	30977253	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	BETHANY L-401 OPP	Engineering/Perm tting	6/18/2013	3/1/2019	6/15/2019	5/30/2019	N	Y	N	36 960	211 322	559 462	2 788 297		N/A		N	Tracy-Stockton-San Joaquin County
793	Capital	Base	Y	26661	31004889	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	BETHANY AIR COMPRESSOR/DRYER REPLACEMEN	Construction	6/1/2013	6/1/2013	2/3/2016	2/3/2016	N	N	N	142	279	3,782	481,265		N	2011	N	Tracy-Stockton-San Joaquin County
794	Capital	Base	Y	26675	30952257	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY K-UNITS REPLACE FOUNDATIONS	Engineering/Perm tting	1/21/2016	2/9/2018	7/2/2018	6/1/2018	N	Y	N	145,821	207,106	220,205	5,046,271		N/A		N	Hinkley-San Bernardino County
795	Capital	Base	Y	26676	30952266	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY STATION REPLACE GENIUS BLOCKS	Close-Out	10/3/2012	3/14/2014	10/17/2014	10/17/2014	N	N	N	-8,007	-6,722	516,906	617,037		N/A		N	Hinkley-San Bernardino County
796	Capital	Base	Y	26678	31180147	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK K2 - REPLACE FOUNDATION	Engineering/Permitting	1/26/2016	9/28/2017	3/15/2018	2/8/2018	N	Y	N	17 605	55 488	56 486	2 502 925		N/A		N	Topock-Kern-San Bernardino County
797	Capital	Base	Y	26679	30948014	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK REPLACE AIR COMPRESSORS & DRYERS	Engineering/Permitting	6/18/2013	5/22/2017	12/5/2017	10/28/2017	N	Y	N	261,959	534,126	3,381,012	9,520,532		N/A		N	Topock-Kern-San Bernardino County
798	Capital	Base	Y	26688	31099809	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY POND 8 LINER REPLACEMENT	Engineering/Permitting	1/21/2016	5/1/2018	9/14/2018	8/27/2018	N	Y	N	145,521	180,522	180,722	7,019,274		N/A		N	Hinkley-San Bernardino County
799	Capital	Base	Y	26691	31099812	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY K5 REPLACE EXHAUST MANIFOLD	Close-Out	1/22/2015	8/10/2015	10/10/2015	10/14/2015	N	N	N	-4,195	-2,275	399,880	480,088		N/A		N	Hinkley-Kern-San Bernardino County
800	Capital	Base	Y	26729	30979466	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - REPLACE TCS THERMAL OXIDIZER	Close-Out	6/18/2013	6/9/2014	12/8/2014	9/18/2014	N	N	N	136	3 547	3 010 482	3 010 482		Y		N	Mcdonald Island-Diablo-San Joaquin County
801	Capital	Base	Y	26731	30976857	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TIONESTA REPLACE GAS DETECTORS	Close-Out	3/1/2013	9/8/2014	10/31/2014	10/24/2014	N	N	N	3,722	6,033	690,921	690,921		N		N	Burney-Modoc County
802	Capital	Base	Y	26768	31099807	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - TCS REPLACE LEVEL INDICATORS	Close-Out	2/16/2015	10/3/2016	12/1/2016	11/4/2016	N	N	Y	942,940	1,666,110	1,857,993	2,778,059		N/A		N	Mcdonald Island-Stockton-San Joaquin County
803	Capital	Base	Y	26982	30980841	76	GT Station Reliabili	764		5501688-GSM REG STATIONS	OAKLAND REGULATOR STATION	Engineering/Permitting	4/2/2013	7/31/2017	2/9/2018	1/3/2018	N	Y	N	750,908	1,391,380	2,238,354	9,429,103		Y		N	Local Trans-north-East Bay-south-Alameda County
804	Capital	Base	Y	27130	30955643	76	GT Station Reliabili	76V		5501697-GSM< TERMINAL RELIABILITY	SANTA ROSA COMP STA REPLACE MCC	Close-Out	6/18/2013	4/11/2016	11/21/2016	12/13/2016	N	N	Y	3,374,991	5,533,156	6,429,895	6,729,895		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
805	Capital	Base	Y	27299	30923319	76	GT Station Reliabili	763		5501697-GSM< TERMINAL RELIABILITY	SHELL REFINERY METER AND REG STA UPGRADE	Estimation	6/18/2013	5/31/2017	8/21/2017	8/7/2017	N	Y	N	333,550	274,390	1,446,199	3,049,700		N/A		N	Local Trans-north-Diablo-Contra Costa County
806	Capital	Base	Y	27846	31021812	76	GT Station Reliabili	764		5501688-GSM REG STATIONS	SWINGLE JUNCTION STATION - REBUILD STA	Estimation	3/1/2014	6/5/2017	1/6/2018	12/8/2017	N	Y	N	553,176	867,951	2,442,271	10,235,949		N		N	Local Trans-north-Sacramento-Yolo County
807	Capital	Base	Y	28166	31033831	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	BETHANY WATER WELLS & SEPTIC UPGRADE	Estimation	11/18/2013	3/6/2017	5/4/2017	4/17/2017	N	Y	N	293,842	394,554	678,739	1,404,241		N/A		N	Tracy-East Bay-north-Alameda County
808	Capital	Base	Y	28501	30990861	76	GT Station Reliabili	764		5501688-GSM REG STATIONS	L-301A MP 22.51 REBUILD DOLAN RD MT STA	Engineering/Perm tting	6/18/2013	4/18/2018	9/4/2018	7/31/2018	N	Y	N	243,585	585,070	1,154,317	3,935,180		N		N	Milpitas/hollister-Central Coast-Monterey County
809	Capital	Base	Y	29103	31012374	76	GT Station Reliabili	76E	Terminal Reliability	5501697-GSM< TERMINAL RELIABILITY	*CANC*GAS CHROMATOGRAPH CALIBRATION GAS	Close-Out	7/26/2013	9/1/2013	6/1/2015	6/1/2015	N	N	N							2015	N	Systemwide-Systemwide-Calaveras County
810	Capital	Base	Y	29216	30970180	76	GT Station Reliabili	764		5501688-GSM REG STATIONS	R-150 L-220 & DFM-0627-01 REBUILD DAVIS	Close-Out	1/28/2013	8/5/2013	4/2/2014	11/13/2013	N	N	N	806	-2,893	2,182,305	2,182,305		Y		N	Local Trans-north-Sac-vacadixon-Solano County
811	Capital	Base	Y	29279	30976721	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - REPLACE V-53	Close-Out	10/19/2012	6/13/2013	7/30/2013	6/28/2013	N	N	N	6,503	6,503	612,633	612,633		Y		N	Mcdonald Island-Stockton-San Joaquin County
812	Capital	Base	Y	29362	30967167	76	GT Station Reliabili	76Q		5501693-GSM L300 STATION RELIABILITY	KETTLEMAN CAPACITOR BANK & POWER QUALITY	Close-Out	2/4/2013	4/6/2015	5/15/2015	7/8/2015	N	N	N	12,698	28	534,176	534,176		Y		N	Kettleman-Kings County
813	Capital	Base	Y	29365	30967170	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	KETTLEMAN REPLACE GAS DETECTORS	Close-Out	6/3/2013	2/17/2015	5/15/2015	5/5/2015	N	N	N	1 510	-21 397	975 590	975 590		Y		N	Kettleman-Kings County
814	Capital	Base	Y	29366	30967171	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY REPLACE GAS DETECTORS	Close-Out	6/18/2013	5/11/2015	2/4/2016	12/30/2015	N	N	N	20,438	147,639	2,292,209	2,317,374		N/A		N	Hinkley-San Bernardino County
815	Capital	Base	Y	29373	30967351	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK P-UNITS - EMISSION RETROFITS	Close-Out	1/1/2013	1/1/2013	12/28/2016	12/28/2016	N	N	Y	11,752	23,079	312,771	312,771		Y		N	Topock-San Bernardino County
816	Capital	Base	Y	29818	P.04337	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS WSS REBUILD GATE 2	Close-Out	2/1/2013	5/1/2013	1/25/2014	12/18/2013	N	N	N	43,082	44,412	14,594,738	14,594,738		Y		N	Mcdonald Island-Diablo-San Joaquin County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
817	Capital	Base	Y	29881	30978917	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY INSTALL WATER WELLS & WATER LINE	Close-Out	1/6/2014	5/19/2014	7/23/2015	4/8/2015	N	N	N	-28,152	-13,564	1,667,116	1,850,436		Y		N	Hinkley-Kern-San Bernardino County
818	Capital	Base	Y	30063	30984355	76	GT Station Reliabili	763		5501688-GSM REG STATIONS	L7224-19 MP1.4[redacted] REBUILD	Close-Out	7/16/2013	5/11/2015	9/18/2015	8/17/2015	N	N	N	108,792	181,250	7,402,393	7,476,105		N/A		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
819	Capital	Base	Y	30190	31040016	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	HINKLEY K-UNIT RETROFIT CAPITAL UPGRADES	Close-Out	1/24/2014	6/24/2014	7/14/2014	7/15/2015	N	N	N	193 264	364 687	2 505 385	2 655 752		Y		N	Hinkley-San Bernardino County
820	Capital	Base	Y	30191	31099815	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY K-UNIT COMPRESSOR OVERHAUL	Close-Out	1/29/2015	10/24/2015	12/23/2015	8/3/2016	N	N	N	5,760	20,203	333,042	333,042		Y		N	Hinkley-San Bernardino County
821	Capital	Base	Y	30218	74000790	76	GT Station Reliabili	764		5501688-GSM REG STATIONS	HOLLISTER - STATION FULL REBUILD	Estimation	3/1/2014	3/6/2017	11/16/2017	11/7/2017	N	Y	N	158,507	-2,628,334	1,495,240	31,638,426		N/A		N	Milpitas/hollister-Central Coast-San Benito County
822	Capital	Base	Y	30251	31071242	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - MCS V-53 OPP	Close-Out	3/1/2014	3/15/2016	4/28/2016	12/23/2015	N	N	N	65,142	211,326	966,829	991,829		N/A		N	Mcdonald Island-San Joaquin County
823	Capital	Base	Y	30263	31100723	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TIONESTA STN BLWDWN VALVE/ACTUAT REPLCNT	Estimation	1/14/2016	3/16/2018	5/21/2018	4/20/2018	N	Y	N	201 892	270 860	274 056	1 629 253		N		N	Burney-Shasta County
824	Capital	Base	Y	30264	31098471	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TIONESTA AIR COMPRESSOR REPLACEMENT	Engineering/Permitting	1/21/2016	5/1/2017	6/23/2017	5/24/2017	N	Y	N	315,843	428,827	428,827	1,678,827		N		N	Burney-North Valley-Modoc County
825	Capital	Base	Y	30280	31100934	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	GERBER RPLCE STN L-400 BLOWDOWN VALVES	Engineering/Perm tting	4/18/2016	2/15/2018	5/11/2018	4/12/2018	N	Y	N	73,582	101,143	101,143	2,320,259		N		N	Willows-North Valley-Glenn County
826	Capital	Base	Y	30282	31154272	76	GT Station Reliabili	764		5512183-GT STATION RELIABILITY	BUCKEYE CREEK STATION UPGRADE	Close-Out	5/1/2015	5/1/2015	2/3/2016	2/3/2016	N	N	N	-215	6	11	6,050,011		N/A		N	Willows-Yolo County
827	Capital	Base	Y	30354	P.05172	76	GT Station Reliabili	763		5759766-STATION[redacted] STG 3	[redacted] REG STATION	Construction	4/1/2013	5/7/2015	2/12/2016	8/28/2015	N	N	N	-98 229	351 319	5 617 362	5 627 362		Y		N	Local Trans-south-De Anza-Santa Clara County
828	Capital	Base	Y	31282	31186168	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	SANTA ROSA CS REPLACE HVAC SYSTEM	Close-Out	1/25/2016	6/6/2016	12/12/2016	12/13/2016	N	N	Y	641,338	741,377	744,455	794,455		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
829	Capital	Base	Y	31778	P.05809	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TIONESTA - BENTLY NEVADA 3300 SYST. REPL	Close-Out	3/26/2012	11/30/2015	12/28/2015	12/3/2015	N	N	N	3,277	157,582	1,057,462	1,057,462		N/A		N	Burney-Modoc County
830	Capital	Base	Y	32040	31069152	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	GERBER STN RELIEF VALVES INSTALLATION	Close-Out	3/1/2014	4/1/2014	11/6/2015	11/6/2015	N	N	N	54	357	1,462	501,462		N/A		N	Willows-Tehama County
831	Capital	Base	Y	32970	31056010	76	GT Station Reliabili	76R		5501693-GSM L300 STATION RELIABILITY	TOPOCK RPLC K-3 & K-9 UNIT CONTROL PANEL	Close-Out	2/15/2013	5/12/2014	10/13/2014	10/1/2014	N	N	N	24,346	75,258	6,085,293	6,095,293		N/A		N	Topock-Kern-San Bernardino County
832	Capital	Base	Y	33209	31100364	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	BETHANY GAS DETECTORS REPLACEMENT	Estimation	1/9/2015	3/6/2017	5/9/2017	4/14/2017	N	Y	N	6,594	157,582	260,488	1,228,451		N/A		N	Tracy-San Joaquin County
833	Capital	Base	Y	33214	31098470	76	GT Station Reliabili	76P		5501693-GSM L300 STATION RELIABILITY	TOPOCK REMEDY PROJECT	Engineering/Permitting	3/3/2014	7/13/2018	11/26/2019	8/29/2019	N	Y	N	58,061	73,160	113,912	313,912		N/A		N	Topock-Kern-San Bernardino County
834	Capital	Base	Y	33347	31100362	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	DELEVAN COMPRESSOR STATION REPLACE UPS &	Close-Out	1/20/2015	11/15/2016	12/19/2016	11/22/2016	N	N	Y	671,173	1,063,795	1,316,167	1,496,716		N/A		N	Willows-North Valley-Glenn County
835	Capital	Base	Y	33349	31100047	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	GERBER K-1 GAS TURBINE OVERHAUL	Close-Out	2/11/2015	10/26/2015	10/30/2015	12/21/2015	N	N	N		-47,603	3,494,720	3,494,720		N/A		N	Willows-Tehama County
836	Capital	Base	Y	33374	31099994	76	GT Station Reliabili	763		5501688-GSM REG STATIONS	VACAVILLE REG STATION (R-09) REBUILD	Engineering/Permitting	1/28/2015	9/3/2018	12/4/2018	11/8/2018	N	Y	N	238,727	428,031	558,650	1,958,650		N/A		N	Local Trans-north-Sac-vacadixon-Solano County
837	Capital	Base	Y	33412	31100220	76	GT Station Reliabili	76M	SCADA Visib lity	5512185-GT STORAGE WELL REWORK	TRANSMISSION SCADA VISIBILITY	Construction	10/1/2014	10/1/2014	12/28/2018	12/28/2018	N	Y	N	138,184	138,794	154,594	7,833,691		N/A		N	Systemwide-Systemwide-San Luis Obispo County
838	Capital	Base	Y	33431	31100040	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - MCS REPLACE TANK D-1A	Close-Out	1/29/2015	4/27/2016	12/15/2016	11/10/2016	N	N	Y	591,357	1,033,246	1,263,573	1,463,574		N/A		N	Mcdonald Island-Diablo-San Joaquin County
839	Capital	Base	Y	33434	31068339	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY UPGRADE K1 & K4 TURBOCHARGERS	Close-Out	4/9/2014	4/6/2015	6/10/2015	8/26/2015	N	N	N	1,766	6,475	661,766	734,226		N/A	2008, 2011	N	Hinkley-San Bernardino County
840	Capital	Base	Y	33500	31179855	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY K11 - ENGINE TOP END OVERHAUL	Engineering/Permitting	2/4/2016	3/14/2017	6/16/2017	5/17/2017	N	Y	N	59 559	1 021 587	1 021 587	1 875 207		Y		N	Hinkley-San Bernardino County
841	Capital	Base	Y	33501	31100044	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY K12 - ENGINE TOP END OVERHAUL	Construction	1/29/2015	11/18/2016	1/27/2017	12/31/2016	N	Y	N	95,937	1,063,982	1,073,531	1,829,889		N/A		N	Hinkley-San Bernardino County
842	Capital	Base	Y	33514	31100372	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - TCS EXTEND ESD BOUNDARY	Engineering/Permitting	1/14/2016	4/24/2017	7/17/2017	6/15/2017	N	Y	N	231,870	301,534	303,123	803,123		N/A		N	Mcdonald Island-Stockton-San Joaquin County
843	Capital	Base	Y	33533	31099802	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY ENVIRONMENTAL RISK MITIGATION	Construction	1/26/2015	9/19/2016	1/21/2017	12/29/2016	N	Y	N	651,626	1,112,985	1,226,940	1,326,983		N/A		N	Hinkley-Kern-San Bernardino County
844	Capital	Base	Y	33534	31099804	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK ENVIRONMENTAL RISK MITIGATION	Close-Out	2/2/2015	10/12/2015	12/8/2015	10/21/2015	N	N	N	11 862	20 807	718 624	728 624		N/A		N	Topock-Kern-San Bernardino County
845	Capital	Base	Y	33535	31100376	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	TOPOCK ELECTRICAL REPLACE MCC & CONDUCTO	Engineering/Permitting	2/1/2016	4/2/2018	11/14/2018	10/15/2018	N	Y	N	39,832	45,957	45,957	7,271,310		Y		N	Topock-Kern-San Bernardino County
846	Capital	Base	Y	33536	31100379	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	HINKLEY ELECTRICAL UPGRADES	Estimation	1/11/2016	6/12/2017	9/22/2017	8/23/2017	N	Y	N	76,484	104,912	104,912	22,315,298		Y		N	Hinkley-Kern-San Bernardino County
847	Capital	Base	Y	33612	31099805	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TK-1 LUBE OIL COOLER REPLACEMENT	Engineering/Permitting	2/13/2015	5/15/2017	6/30/2017	6/6/2017	N	Y	N	281,203	401,995	461,752	511,926		N/A		N	Burney-North Valley-Modoc County
848	Capital	Base	Y	33714	31099806	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK-IMPROVE STATION LOW FLOW CONTROL	Engineering/Permitting	2/1/2016	3/1/2018	10/10/2018	9/11/2018	N	Y	N	78 562	85 379	85 379	5 837 183		Y		N	Topock-Kern-San Bernardino County
849	Capital	Base	Y	34004	31098472	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - MCS K1/K2 GHG RETROFIT	Engineering/Permitting	1/14/2016	1/30/2017	3/14/2017	2/28/2017	N	Y	N	323,761	422,366	422,764	1,441,312		N/A		N	Mcdonald Island-San Joaquin County
850	Capital	Base	Y	34045	31088888	76	GT Station Reliabili	76R		5501693-GSM L300 STATION RELIABILITY	TOPOCK RPLC K-2 & K-7 UNIT CTRL PANELS	Close-Out	7/1/2014	7/1/2014	11/4/2016	11/4/2016	N	N	Y	-162	-156				N/A		N	Topock-Kern-San Bernardino County
851	Capital	Base	Y	34065	31088890	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY-P-UNITS CONTROLS PROBLEMS	Close-Out	1/22/2015	5/26/2015	9/15/2016	9/15/2016	N	N	Y	43,699	97,411	332,752	433,110		N/A		N	Hinkley-San Bernardino County
852	Capital	Base	Y	34177	31100935	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK CROSSTIE & SUCTION PRVS	Engineering/Permitting	2/2/2015	4/21/2017	8/28/2017	7/28/2017	N	Y	N	437,555	504,667	540,444	8,587,318		N/A		N	Topock-Kern-San Bernardino County
853	Capital	Base	Y	34319	31100465	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	PCREEK INSTALL BACKUP GENERATOR	Estimation	6/18/2015	7/3/2017	9/27/2017	8/28/2017	N	Y	N	-123,600	-25,110	-12,997	688,550		N		N	Los Medanos-Yolo County
854	Capital	Base	Y	34341	31100369	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - MCS ADD ESD PBS & GAS DETEC LTS	Close-Out	2/25/2015	7/25/2016	12/8/2016	11/15/2016	N	N	Y	136,014	333,081	460,426	480,426		Y		N	Mcdonald Island-San Joaquin County
855	Capital	Base	Y	34825	31100464	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	PCREEK UPGRADE POWER SUPPLY	Close-Out	8/1/2015	8/1/2015	9/26/2016	9/26/2016	N	N	Y	1,521	2,219	20,062	1,023,294		N/A		N	Los Medanos-Yolo County
856	Capital	Base	Y	34981	31184777	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	LOS MEDANOS PLS AUTOMATE C-37 BLOCK VLVS	Close-Out	1/19/2016	11/1/2016	11/18/2016	11/2/2016	N	N	Y	53,428	64,724	64,724	271,636		N		N	Los Medanos-Contra Costa County
857	Capital	Base	Y	34984	74000301	76	GT Station Reliabili	764		5512183-GT STATION RELIABILITY	HARKINS ROAD STATION	Engineering/Permitting	2/16/2016	10/31/2019	1/31/2020	12/31/2019	N	Y	N	37,485	65,471	65,791	6,231,885		N/A		N	Milpitas/hollister-Central Coast-Monterey County
858	Capital	Base	Y	34990	31184776	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	LOS MEDANOS FUEL GAS HEATER	Engineering/Permitting	1/19/2016	5/1/2017	7/26/2017	6/26/2017	N	Y	N	62,337	146,698	147,492	397,544		N/A		N	Los Medanos-Contra Costa County
859	Capital	Base	Y	35008	74004220	76	GT Station Reliabili	76G	Station Reliability	5512183-GT STATION RELIABILITY	L-138C MP 50.02 REBUILD[redacted]	Engineering/Permitting	2/1/2016	2/1/2018	5/1/2018	4/2/2018	N	Y	N	34,740	45,020	45,020	1,095,020		Y		N	Local Trans-south-Fresno-Fresno County
860	Capital	Base	Y	35140	31098501	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY REPLACE POND 8 LYSIMETERS	Close-Out	9/2/2014	1/28/2015	3/14/2015	4/19/2015	N	N	N	8,163	7,264	579,855	579,855		N/A		N	Hinkley-San Bernardino County
861	Capital	Base	Y	35214	31098476	76	GT Station Reliabili	761		5501697-GSM< TERMINAL RELIABILITY	SF GAS LOAD CTR.	Engineering/Permitting	2/19/2015	7/10/2017	9/19/2017	8/24/2017	N	Y	N	44,658	95,870	204,689	854,494		N/A		N	Local Trans-south-San Francisco-San Francisco Coun
862	Capital	Base	Y	35215	31098478	76	GT Station Reliabili	764		5501697-GSM< TERMINAL RELIABILITY	IRVINGTON LIMITORQUE ACTUATORS REPLACEME	Engineering/Permitting	1/4/2017	6/29/2018	9/25/2018	8/24/2018	N	Y	N	701	1,192	13,833	1,304,414		N/A		N	Milp tas/hollister-Alameda County
863	Capital	Base	Y	35216	31098479	76	GT Station Reliabili	761		5501697-GSM< TERMINAL RELIABILITY	BUCKEYE	Close-Out	11/21/2014	10/31/2016	12/22/2016	12/15/2016	N	N	Y	732,899	812,840	985,675	1,135,675		N/A		N	Willows-Sacramento-Yolo County
864	Capital	Base	Y	35217	31099480	76	GT Station Reliabili	764		5501697-GSM< TERMINAL RELIABILITY	NAPA Y METER	Engineering/Permitting	2/27/2015	6/26/2018	9/20/2018	8/21/2018	N	Y	N	38,536	65,141	132,668	1,998,062		N/A		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
865	Capital	Base	Y	35223	31100190	76	GT Station Reliabili	763		5512183-GT STATION RELIABILITY	TURNER ROAD	Close-Out	1/1/2015	1/1/2015	2/3/2016	2/3/2016	N	N	N	51	101	1 369	2 501 369		N/A		N	Local Trans-north-Stockton-Glenn County
866	Capital	Base	Y	35229	31099033	76	GT Station Reliabili	763		5512183-GT STATION RELIABILITY	SPRECKELS SUGAR METER	Estimation	1/8/2015	5/30/2018	8/8/2018	7/14/2018	N	Y	N	61,571	246,207	556,159	1,697,488		N/A		N	Kettleman-Kern-bakersfield-Fresno County
867	Capital	Base	Y	35230	31100620	76	GT Station Reliabili	763		5512183-GT STATION RELIABILITY	ROSSI STREET REG STATION RELOCATION & RE	Engineering/Permitting	2/2/2015	4/20/2018	5/31/2019	5/7/2019	N	Y	N	186,287	388,141	706,082	6,530,513		N/A		N	Milpitas/hollister-Central Coast-Monterey County
868	Capital	Base	Y	35232	31100466	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	GERBER UNIT & STATION CONTROLS UPGRADE	Engineering/Permitting	2/3/2016	2/5/2018	5/23/2018	4/24/2018	N	Y	N	118,084	127,905	127,905	5,232,433		Y		N	Willows-North Valley-Glenn County
869	Capital	Base	Y	35233	31100223	76	GT Station Reliabili	765		5512183-GT STATION RELIABILITY	BRENTWOOD REBUILD PROJECT PHASE 1	Construction	2/1/2015	2/1/2015	11/18/2017	11/18/2017	N	Y	N	9 515	82 975	195 605	22 933 914		N/A		N	Tracy-Contra Costa County
870	Capital	Base	Y	35234	31101008	76	GT Station Reliabili	76Z		5501693-GSM L300 STATION RELIABILITY	CODE TASK STATUS TPHYSICAL SECURITY JOBS	Construction	1/1/2015	1/1/2015	12/28/2017	12/28/2017	N	Y	N	92,047	-789,280	601,590	4,851,590		N/A		N	Systemwide-Systemwide-Multiple Counties
871	Capital	Base	Y	35350	31100428	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TCS REBUILD TRUCK TERMINAL	Engineering/Permitting	1/14/2016	9/14/2017	1/18/2018	12/15/2017	N	Y	N	66,958	74,951	74,951	800,909		N		N	Mcdonald Island-Stockton-San Joaquin County
872	Capital	Base	Y	35715	P.08525	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	Becker System Upgrades	Construction	4/16/2015	12/15/2015	1/14/2016	1/15/2016	N	N	N	1,186,564	3,618,635	8,193,434	9,744,400		N/A		N	Local Trans-north-North Bay-san Rafael-Sonoma Coun
873	Capital	Base	Y	36036	31103039	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	GILL RANCH PROJECTS	Close-Out	1/1/2015	1/1/2015	2/3/2016	2/3/2016	N	N	N	-329 229	10 879	689 854	689 854		N/A		N	Kettleman-Fresno County
874	Capital	Base	Y	37202	31129913	76	GT Station Reliabili	763		5512183-GT STATION RELIABILITY	VLO ANNEX STATION REBUILD (VALERO)	Estimation	1/29/2015	5/23/2017	8/3/2017	7/10/2017	N	Y	N	141,358	277,284	447,403	5,213,059		N/A		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
875	Capital	Base	Y	37331	31130723	76	GT Station Reliabili	76I	Station Other	5501693-GSM L300 STATION RELIABILITY	BUCKEYE CREEK PLS UNDERRATED 12"" PIPE	Close-Out	1/1/2015	1/1/2015	12/28/2016	12/28/2016	N	N	Y	15,318	28,493	360,260	360,260		N/A		N	Local Trans-north-East Bay-north-Glenn County
876	Capital	Base	Y	37656	31136758	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCDI K7/K8/K9 COMPRESSOR YARD UPGRADE	Close-Out	2/26/2015	11/19/2015	10/17/2016	5/31/2016	N	N	Y	53,424	317,119	460,369	460,369		N/A		N	Mcdonald Island-Diablo-Multiple Counties
877	Capital	Base	Y	38050	31143531	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	KETTLEMAN CEMS IMPROVEMENTS	Engineering/Permitting	8/3/2015	3/9/2017	5/4/2017	4/5/2017	N	Y	N	605,118	707,903	816,384	966,397		N/A		N	Kettleman-Kings County
878	Capital	Base	Y	38853	31180144	76	GT Station Reliabili	76Q		5512183-GT STATION RELIABILITY	KETTLEMAN CS POWER QUALITY IMPROVEMENTS	Engineering/Permitting	1/8/2016	5/24/2018	8/20/2018	7/20/2018	N	Y	N	103,780	120,125	123,406	616,695		N/A		N	Kettleman-Kings County
879	Capital	Base	Y	38855	31180143	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	KETTLEMAN CS - INSTL GAS COOLER CATWALKS	Engineering/Permitting	2/10/2016	3/1/2018	5/2/2018	4/3/2018	N	Y	N	34,888	70,584	70,584	785,354		Y		N	Kettleman-Kings County
880	Capital	Base	Y	38872	31180155	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS - REPLACE K2 FORCE FEED LUBE	Engineering/Permitting	2/11/2016	1/13/2017	2/17/2017	2/3/2017	N	Y	N	487,467	580,654	580,654	907,660		Y		N	Mcdonald Island-Stockton-San Joaquin County
881	Capital	Base	Y	38878	31180153	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	MCD IS - EXTEND FENCING	Construction	1/1/2016	1/1/2016	4/28/2017	4/28/2017	N	Y	N	78,716	100,793	100,793	351,067		Y		N	Mcdonald Island-Stockton-San Joaquin County
882	Capital	Base	Y	38879	31180154	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS MCS UPGRADE GENERATOR	Engineering/Permitting	1/14/2016	1/17/2017	3/13/2017	2/10/2017	N	Y	N	67,124	83,395	83,395	421,092		Y		N	Mcdonald Island-Stockton-San Joaquin County
883	Capital	Base	Y	38899	74000280	76	GT Station Reliabili	76R		5501693-GSM L300 STATION RELIABILITY	KETTLEMAN CS - REPLACE UNIT CONTROL SYST	Engineering/Permitting	10/1/2015	10/15/2018	1/14/2019	12/12/2018	N	Y	N	14,345	55,995	56,116	3,437,568		N/A		N	Kettleman-Kings County
884	Capital	Base	Y	38902	31180142	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	KETTLEMAN - FUEL GAS COALESCING FILTER	Engineering/Permitting	3/7/2016	4/3/2017	6/27/2017	5/26/2017	N	Y	N	78,137	134,088	134,088	691,874		Y		N	Kettleman-Kings County
885	Capital	Base	Y	38987	31182182	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCDONALD IS REPLACE V-211	Estimation	1/7/2016	2/7/2017	3/1/2017	2/27/2017	N	Y	N	139,052	193,930	195,056	677,466		N/A		N	Mcdonald Island-San Joaquin County
886	Capital	Base	Y	39078	31180272	76	GT Station Reliabili	76G	Station Reliability	5512183-GT STATION RELIABILITY	PLS 7A & 7B REBUILD	Engineering/Permitting	10/8/2015	9/13/2018	12/11/2018	11/7/2018	N	Y	N	8,774	9,262	9,262	7,459,262		Y		N	Milp tas/hollister-San Jose-Santa Clara County
887	Capital	Base	Y	39160	31182181	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCD IS. REPLACE V-5 & V-6	Engineering/Permitting	1/14/2016	8/1/2017	9/28/2017	8/29/2017	N	Y	N	185,318	284,536	284,933	966,690		N/A		N	Mcdonald Island-Stockton-San Joaquin County
888	Capital	Base	Y	39167	31186169	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	GERBER CS REPLACE MLV-149.18	Estimation	1/14/2016	4/17/2018	7/12/2018	6/12/2018	N	Y	N	399,371	450,596	451,268	4,564,632		N/A		N	Willows-North Valley-Tehama County
889	Capital	Base	Y	39172	74000281	76	GT Station Reliabili	76T		5501693-GSM L300 STATION RELIABILITY	TIONESTA REPLACE UNIT/STATION CONTROLS	Engineering/Permitting	10/1/2015	3/5/2018	5/29/2018	4/27/2018	N	Y	N	551	3,954	4,076	2,304,076		N/A		N	Burney-Modoc County
890	Capital	Base	Y	39183	31179856	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY K5 COMPRESSOR OVERHAUL	Construction	1/21/2016	11/1/2016	1/10/2017	12/30/2016	N	Y	N	393 420	406 734	406 734	607 071		Y		N	Hinkley-San Bernardino County
891	Capital	Base	Y	39185	31180141	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY REPLACE CRANES IN COMP BLDG	Engineering/Permitting	1/21/2016	5/1/2017	7/26/2017	6/26/2017	N	Y	N	102,759	156,073	156,273	1,347,351		N/A		N	Hinkley-San Bernardino County
892	Capital	Base	Y	39186	74007329	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	SANTA ROSA CS REPLACE V-9, 10, 11	Engineering/Permitting	1/13/2016	9/13/2017	12/8/2017	11/7/2017	N	N	N	2,472	2,472	2,472	402,468		Y		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
893	Capital	Base	Y	39191	31180145	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK COOLING TOWERS INSTALL CATWALKS	Engineering/Permitting	3/22/2016	5/31/2017	9/21/2017	9/14/2017	N	Y	N	1,223	10,781	10,781	2,011,305	N/A	Y		N	Topock-Kern-San Bernardino County
894	Capital	Base	Y	39193	31180151	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	LOS MEDANOS GAS DETECTION UPGRADE	Construction	12/1/2015	12/1/2015	9/25/2017	9/25/2017	N	Y	N	2 681	10 432	10 806	276 038		N/A		N	Los Medanos-Contra Costa County
895	Capital	Base	Y	39194	31180148	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	TOPOCK REPLACE AUX JACKET WATER TANKS	Engineering/Permitting	6/2/2016	5/1/2017	7/26/2017	6/26/2017	N	Y	N	146,409	165,280	165,280	715,280		Y		N	Topock-San Bernardino County
896	Capital	Base	Y	39425	31168633	76	GT Station Reliabili	76Z		5501693-GSM L300 STATION RELIABILITY	FRANKLIN CANYON SECURITY UPGRADES	Construction	9/14/2015	8/16/2016	1/9/2017	12/23/2016	N	Y	N	2,263,912	2,411,886	2,745,511	2,835,511		N/A		N	Local Trans-north-East Bay-north-Contra Costa Coun
897	Capital	Base	Y	39426	31168659	76	GT Station Reliabili	76Z		5501693-GSM L300 STATION RELIABILITY	NAPA ""Y"" SECURITY UPGRADES	Estimation	9/14/2015	7/13/2017	3/20/2018	2/9/2018	N	Y	N	19,269	77,320	411,789	3,439,424		N/A		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
898	Capital	Base	Y	39427	31168701	76	GT Station Reliabili	76Z		5501693-GSM L300 STATION RELIABILITY	CREED SECURITY UPGRADES	Construction	9/14/2015	9/26/2016	1/30/2017	12/20/2016	N	Y	N	1,912,773	1,996,108	2,326,726	2,426,726		N/A		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
899	Capital	Base	Y	39428	31176796	76	GT Station Reliabili	76Z		5501693-GSM L300 STATION RELIABILITY	HELM JUNCTION SECURITY UPGRADES	Close-Out	9/14/2015	10/12/2016	1/30/2017	12/22/2016	N	Y	N	2,001,136	2,038,024	2,372,248	2,462,248		N/A		N	Kettleman-Kern-bakersfield-Fresno County
900	Capital	Base	Y	39430	31168704	76	GT Station Reliabili	76E	Terminal Reliability	5501697-GSM< TERMINAL RELIABILITY	MILPITAS SECURITY UPGRADES	Estimation	6/5/2015	7/17/2017	12/26/2017	11/15/2017	N	Y	N	558,796	559,071	559,071	5,599,096		Y		N	Milpitas/hollister-Santa Clara County
901	Capital	Base	Y	39431	31168705	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	DELEVAN SECURITY UPGRADES	Estimation	2/3/2016	7/31/2017	1/18/2018	12/8/2017	N	Y	N	749,720	750,269	750,269	5,790,326		N		N	Willows-Colusa County
902	Capital	Base	Y	39432	31168631	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	KETTLEMAN SECURITY UPGRADES	Estimation	6/5/2015	3/14/2018	8/28/2018	7/23/2018	N	Y	N	389	938	938	5 591 654		Y		N	Kettleman-Kings County
903	Capital	Base	Y	39433	31168632	76	GT Station Reliabili	76E	Terminal Reliability	5501697-GSM< TERMINAL RELIABILITY	BRENTWOOD SECURITY UPGRADES	Estimation	6/5/2015	5/6/2021	10/11/2021	9/10/2021	N	Y	N	2,167	2,581	2,581	352,921		Y		N	Rio Vista-Contra Costa County
904	Capital	Base	Y	39434	31168617	76	GT Station Reliabili	76E	Terminal Reliability	5501697-GSM< TERMINAL RELIABILITY	ANTIOCH TERMINAL SECURITY UPGRADES	Engineering/Permitting	1/12/2017	4/2/2018	7/25/2018	6/18/2018	N	Y	N	1,925	3,360	3,360	4,509,909		Y		N	Rio Vista-Contra Costa County
905	Capital	Base	Y	39435	31168611	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	MCDONALD IS COMPRESSOR SECURITY UPGRADE	Engineering/Permitting	12/2/2015	2/5/2019	5/30/2019	4/23/2019	N	Y	N	49	1,295	1,295	6,391,895		Y		N	Mcdonald Island-Contra Costa County
906	Capital	Base	Y	39436	31168610	76	GT Station Reliabili	76J	Storage Well Rework	5512185-GT STORAGE WELL REWORK	MCDONALD IS UGS SECURITY UPGRADES	Engineering/Permitting	12/2/2015	4/2/2018	7/25/2018	6/18/2018	N	Y	N	1,880	2,155	2,155	6,092,554		Y		N	Mcdonald Island-Contra Costa County
907	Capital	Base	Y	39437	31168612	76	GT Station Reliabili	76K	Storage Gas Processi	5512185-GT STORAGE WELL REWORK	WHISKEY SLOUGH SECURITY UPGRADES	Engineering/Permitting	12/2/2015	3/19/2020	7/10/2020	6/4/2020	N	Y	N	1,880	2,155	2,155	6,052,523		N		N	Mcdonald Island-Contra Costa County
908	Capital	Base	Y	39438	31168615	76	GT Station Reliabili	76K	Storage Gas Processi	5512185-GT STORAGE WELL REWORK	TURNER CUT SECURITY UPGRADES	Engineering/Permitting	12/2/2015	3/19/2020	7/10/2020	6/4/2020	N	Y	N	1,880	2,155	2,155	6,392,500		N		N	Mcdonald Island-Contra Costa County
909	Capital	Base	Y	39439	31168616	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	HINKLEY COMPRESSOR SECURITY UPGRADES	Construction	12/2/2015	5/1/2016	12/28/2022	12/28/2022	N	Y	N	38	1,010	1,010	6,051,490		Y		N	Hinkley-San Bernardino County
910	Capital	Base	Y	39441	31168660	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	LOS MEDANOS COMPRESSOR SECURITY UPGRADES	Construction	9/10/2015	5/1/2016	12/28/2022	12/28/2022	N	Y	N	19	505	505	6,090,736		N		N	Los Medanos-Contra Costa County
911	Capital	Base	Y	39442	31168661	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	TOPOCK COMPRESSOR SECURITY UPGRADES	Construction	12/2/2015	4/1/2016	12/28/2022	12/28/2022	N	Y	N	107	2,850	2,850	6,054,200		Y		N	Topock-San Bernardino County
912	Capital	Base	Y	40678	31182743	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - BOLSA ROAD STA.	Engineering/Perm tting	1/4/2016	1/30/2017	2/17/2017	2/9/2017	N	Y	N	66,853	95,211	95,608	319,325		N/A		N	Systemwide-Systemwide-San Benito County
913	Capital	Base	Y	40679	31182740	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - BRADBURY RD REG	Engineering/Perm tting	1/4/2016	3/20/2017	4/7/2017	3/30/2017	N	Y	N	84,194	125,050	125,447	337,802		N/A		N	Systemwide-Systemwide-Sutter County
914	Capital	Base	Y	40680	31181954	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - CAPAY MS	Engineering/Perm tting	1/4/2016	1/9/2017	2/22/2017	2/13/2017	N	Y	N	53,771	104,055	104,452	303,002		N/A		N	Systemwide-Systemwide-Yolo County
915	Capital	Base	Y	40681	31182173	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - CTRL VLLY INTER	Engineering/Perm tting	1/4/2016	5/8/2017	5/26/2017	5/18/2017	N	Y	N	53 775	106 469	106 866	542 560		N/A		N	Systemwide-Systemwide-Colusa County
916	Capital	Base	Y	40682	31182160	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT [redacted]	Engineering/Perm tting	1/4/2016	5/21/2018	6/11/2018	6/1/2018	N	Y	N	24,834	66,995	66,995	75,878		Y		N	Systemwide-Systemwide-Fresno County
917	Capital	Base	Y	40683	31182161	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - ELKHORN STATION	Engineering/Perm tting	1/4/2016	3/6/2017	3/29/2017	3/21/2017	N	Y	N	161,055	212,738	212,738	414,171		N		N	Systemwide-Systemwide-Fresno County
918	Capital	Base	Y	40684	31182162	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - FRESNO GLC	Engineering/Permitting	1/4/2016	3/15/2017	3/28/2017	3/27/2017	N	Y	N	18,100	70,758	70,758	177,876		Y		N	Systemwide-Systemwide-Fresno County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
919	Capital	Base	Y	40685	31182163	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - GILL RANCH	Engineering/Permitting	1/4/2016	3/21/2017	4/10/2017	3/31/2017	N	Y	N	109,116	168,009	168,009	370,463		N		N	Systemwide-Systemwide-Fresno County
920	Capital	Base	Y	40686	31182164	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - HELM TAP	Engineering/Permitting	1/4/2016	7/31/2017	8/18/2017	8/10/2017	N	Y	N	22,161	85,131	85,131	423,003		N		N	Systemwide-Systemwide-Fresno County
921	Capital	Base	Y	40687	31182165	76	GT Station Re iabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - HERSHEY JCT	Close-Out	12/1/2015	12/1/2015	9/6/2016	9/6/2016	N	N	Y	-24 457	1 040	1 438	1 438		N/A		N	Systemwide-Systemwide-Yolo County
922	Capital	Base	Y	40688	31182166	76	GT Station Re iabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - HERSHEY JCT PLC	Engineering/Permitting	1/4/2016	5/22/2017	6/5/2017	6/2/2017	N	Y	N	87,661	115,990	116,387	404,919		N/A		N	Systemwide-Systemwide-Yolo County
923	Capital	Base	Y	40689	31182167	76	GT Station Re iabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - KIRBY HILL/LODI	Engineering/Permitting	1/4/2016	4/24/2017	6/8/2017	5/31/2017	N	Y	N	36,106	76,302	76,699	357,485		N/A		N	Systemwide-Systemwide-Solano County
924	Capital	Base	Y	40691	31182169	76	GT Station Re iabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - PANOCHE JUNCTIO	Engineering/Permitting	1/4/2016	7/10/2017	8/25/2017	8/17/2017	N	Y	N	4,081	64,253	64,253	411,506		N		N	Systemwide-Systemwide-Fresno County
925	Capital	Base	Y	40692	31182170	76	GT Station Re iabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETRO - PISGAH INTERIE	Engineering/Permitting	1/4/2016	4/10/2017	6/8/2017	5/31/2017	N	Y	N	102 077	171 176	171 176	374 757		Y		N	Systemwide-Systemwide-San Bernardino County
926	Capital	Base	Y	40693	31182171	76	GT Station Re iabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - PLS 2A/B	Engineering/Permitting	1/4/2016	8/7/2017	8/25/2017	8/17/2017	N	Y	N	53,863	114,454	114,454	449,117		N		N	Systemwide-Systemwide-San Bernardino County
927	Capital	Base	Y	40694	31182172	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - PLS 2BX	Engineering/Permitting	1/4/2016	4/17/2017	5/24/2017	5/16/2017	N	Y	N	23,433	87,400	87,400	429,006		N		N	Systemwide-Systemwide-San Bernardino County
928	Capital	Base	Y	40695	31182174	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - PLS 3A/B	Engineering/Permitting	11/9/2015	8/14/2017	9/22/2017	9/14/2017	N	Y	N	31,571	90,744	90,744	435,511		Y		N	Systemwide-Systemwide-San Bernardino County
929	Capital	Base	Y	40697	31182176	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - SAN ANDREAS CO	Close-Out	12/1/2015	12/1/2015	9/6/2016	9/6/2016	N	N	Y	-16 620	956	1 353	1 353		N/A		N	Systemwide-Systemwide-San Mateo County
930	Capital	Base	Y	40698	31182177	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - SAN ANDREAS CT	Engineering/Permitting	1/4/2016	1/23/2017	2/10/2017	2/2/2017	N	Y	N	64,892	90,327	90,724	314,598		N/A		N	Systemwide-Systemwide-San Mateo County
931	Capital	Base	Y	40700	31182179	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - SIERRA VISTA	Engineering/Permitting	1/4/2016	5/30/2017	6/19/2017	6/9/2017	N	Y	N	61,203	83,273	83,670	392,192		N/A		N	Systemwide-Systemwide-San Mateo County
932	Capital	Base	Y	40701	31182180	76	GT Station Reliabili	766		5512183-GT STATION RELIABILITY	BECKER PANEL RETROFIT - TULLY STATION	Engineering/Permitting	1/4/2016	5/30/2017	6/23/2017	6/15/2017	N	Y	N	48,512	67,459	67,856	355,456		N/A		N	Systemwide-Systemwide-Santa Clara County
933	Capital	Base	Y	40780	31182747	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	HINKLEY K7 CRANKSHAFT REPLACEMENT	Close-Out	8/3/2015	12/14/2015	9/13/2016	9/12/2016	N	N	Y	420,807	1,973,304	2,114,791	2,165,218		Y		N	Hinkley-Kern-San Bernardino County
934	Capital	Base	Y	40849	74000283	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	LOS MEDANOS K1 REPLACEMENT	Engineering/Permitting	1/4/2016	3/27/2020	6/22/2020	5/21/2020	N	Y	N	109,637	121,529	121,529	32,540,074		N		N	Los Medanos-East Bay-north-Contra Costa County
935	Capital	Base	Y	40850	74000300	76	GT Station Reliabili	76O		5501693-GSM L300 STATION RELIABILITY	TOPOCK FIRE DETECTION	Engineering/Permitting	10/1/2015	12/6/2017	3/6/2018	2/2/2018	N	Y	N	37,098	61,445	61,567	1,571,780		N/A		N	Local Trans-south-Kern-bakersfield-San Bernardino
936	Capital	Base	Y	40851	74000302	76	GT Station Reliabili	76G	Station Reliability	5512183-GT STATION RELIABILITY	ANTIOCH REBUILD PROJECT	Engineering/Permitting	10/13/2015	1/2/2018	1/31/2019	12/31/2018	N	Y	N	5,055	10,278	10,278	656,047		Y		N	Systemwide-Systemwide-Contra Costa County
937	Capital	Base	Y	40928	74003147	76	GT Station Reliabili	76G	Station Reliability	5512183-GT STATION RELIABILITY	YUBA CITY HOLDER - STATION GROUNDING	Engineering/Permitting	10/13/2016	7/2/2018	9/26/2018	8/27/2018	Y	Y	N	4,564	4,901	4,901	1,275,063		Y		N	Local Trans-north-Sierra-Sutter County
938	Capital	Base	Y	41447	31206162	76	GT Station Reliabili	76Z		5767858-GT TOP 20 LOCKS & CHAINS UPGRADE	GT TOP 20 FAC LOCKS & CHAINS UPGRADE	Close-Out	1/1/2015	12/1/2015	12/15/2015	12/31/2015	N	N	N	937	570,984	572,446	572,446		N/A		N	Systemwide-Systemwide-Multiple Counties
939	Capital	Base	Y	41448	31206164	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	GT TOP 20 FAC K-RAIL INSTALL MCD IS	Close-Out	11/5/2015	12/10/2015	1/12/2016	1/25/2016	N	N	N	1,772	534,838	536,854	536,854		Y		N	Mcdonald Island-Diablo-San Joaquin County
940	Capital	Base	Y	41489	31241843	76	GT Station Reliabili	76H	Compressor Stations	5501693-GSM L300 STATION RELIABILITY	SANTA CRUZ HOLDER SAFETY UPGRADES	Construction	10/1/2016	10/1/2016	12/31/2018	12/31/2018	Y	Y	N	703	908	908	364,328		Y		N	Local Trans-south-Central Coast-Santa Cruz County
941	Capital	Base	Y	42353	74004785	76	GT Station Reliabili	76I	Station Other	5501693-GSM L300 STATION RELIABILITY	HOLLISTER FULL REBUILD LAND PURCHASE	Close-Out	2/23/2016	4/1/2016	12/13/2016	12/13/2016	N	N	Y	4,049	3,504,655	3,504,655	3,504,655		Y		N	Milpitas/hollister-San Benito County
942	Capital	Base	Y	42430	74001457	76	GT Station Reliabili	764		5501693-GSM L300 STATION RELIABILITY	SHINGLETOWN PLS STATION UPGRADE	Construction	12/1/2015	12/1/2015	6/28/2020	6/28/2020	N	Y	N	8 660	80 770	149 549	16 938 764		N		N	Burney-North Valley-Shasta County
943	Capital	Base	Y	14904	30603587	84	GT Gas Gathering Sys	84B	GG-Station Reliabili	5501683-GSM, DIVESTITURE, GATH	BRANNAN ISLAND CS, DECOMMISSION	Close-Out	6/1/2007	6/1/2007	1/17/2008	1/17/2008	N	N	N	993	2,689	1,126,807	1,126,807		N/A		N	Rio Vista-Sac-vacadixon-Solano County
944	Capital	Base	Y	15940	P.01802	84	GT Gas Gathering Sys	84D	Gas Gathering	5501683-GSM, DIVESTITURE, GATH	Program- Gas Gathering Divestitures	Close-Out	6/18/2013	5/2/2016	5/21/2016	5/20/2016	N	N	N	24,188	434,505	8,616,003	8,942,285		N/A		N	Meridian-Sierra-Sutter County
945	Capital	Base	Y	19449	30677714	84	GT Gas Gathering Sys	84A	GG-Connections	5501683-GSM, DIVESTITURE, GATH	*CANC* DAIRY BIO-METHANE INTERCONNECTI	Close-Out	1/27/2010	1/27/2010	2/6/2012	2/6/2012	N	N	N						N	2011	N	Local Trans-north-Stockton-Multiple Counties
946	Capital	Base	Y	20904	30765962	84	GT Gas Gathering Sys	84C	GG- Reliability/Safe	5501683-GSM DIVESTITURE GATH	L302-040 MP 0.00 REPLACE 2500'	Close-Out	1/27/2010	3/1/2010	9/25/2016	9/25/2016	N	N	Y	7 473	14 674	244 834	1 989 834		N		N	Meridian-Sacramento-Colusa County
947	Capital	Base	Y	21959	30907360	84	GT Gas Gathering Sys	84D	Gas Gathering	5501683-GSM, DIVESTITURE, GATH	L318 RETIRE BLACK BUTTE PL AFTER SALE	Close-Out	2/1/2012	2/1/2012	3/24/2014	3/24/2014	N	N	N	188	1,968	1,329,146	1,339,148		N/A		N	Meridian-North Valley-Glenn County
948	Capital	Base	Y	23384	30840030	84	GT Gas Gathering Sys	84A	GG-Connections	5501683-GSM, DIVESTITURE, GATH	R-684 L-182 CONNECT KIRBY HILLS	Estimation	3/26/2012	11/16/2017	5/8/2018	4/14/2018	N	Y	N	1	1,082	-38,513	1,151,085		N		N	Rio Vista-Sac-vacadixon-Solano County
949	Capital	Base	Y	25761	30893001	84	GT Gas Gathering Sys	84B	GG-Station Reliabili	5501683-GSM, DIVESTITURE, GATH	210, MP 0.01, REPLACE V-5	Close-Out	12/1/2011	12/1/2011	11/16/2012	11/16/2012	N	N	N	1,774	1,774	399,557	399,557		N		N	Rio Vista-Sac-vacadixon-Solano County
950	Capital	Base	Y	28186	30948015	84	GT Gas Gathering Sys	84D	Gas Gathering	5501683-GSM DIVESTITURE GATH	R-356 L-168-1-1 RETIREMENT	Engineering/Permitting	10/1/2012	5/12/2017	7/11/2017	6/12/2017	N	Y	N	121 155	207 853	323 131	1 023 131		N/A		N	Rio Vista-Sac-vacadixon-Sacramento County
951	Capital	Base	Y	28368	30987738	84	GT Gas Gathering Sys	84B	GG-Station Reliabili	5501683-GSM, DIVESTITURE, GATH	SHERMAN ISLAND - RETIRE DEHYD EQUIPMENT	Close-Out	4/1/2013	4/1/2013	5/27/2016	5/27/2016	N	N	N	19,742	36,796	492,192	492,192		N		N	Rio Vista-Sac-vacadixon-Solano County
952	Capital	Base	Y	28374	30959796	84	GT Gas Gathering Sys	84B	GG-Station Reliabili	5501683-GSM, DIVESTITURE, GATH	SERPA - RETIRE PRODUCTION TANKS	Close-Out	11/1/2012	11/1/2012	1/23/2015	1/23/2015	N	N	N	-23,982	-23,365	429,958	429,958		N/A		N	Rio Vista-Sac-vacadixon-Solano County
953	Capital	Base	Y	29513	30971976	84	GT Gas Gathering Sys	84B	GG-Station Reliabili	5501683-GSM, DIVESTITURE, GATH	RETIRE FLEET KNIGHT RANCH 1-13	Construction	1/1/2013	1/1/2013	1/26/2017	1/26/2017	N	Y	N	5,221	7,960	77,995	291,745		N/A		N	Meridian-North Valley-Sutter County
954	Capital	Base	Y	30823	31060790	84	GT Gas Gathering Sys	84D	Gas Gathering	5501683-GSM, DIVESTITURE, GATH	302-233_0.0-1.3_RETIRE TOMLINSON 1-11 RP	Close-Out	3/1/2014	4/1/2014	9/27/2016	9/27/2016	N	N	Y	199	886	2,656	318,856		N		N	Meridian-Sutter County
955	Capital	Base	Y	32414	31052018	84	GT Gas Gathering Sys	84B	GG-Station Reliabili	5501683-GSM, DIVESTITURE, GATH	MCD IS V-51 REPLACEMENT	Close-Out	3/1/2014	8/3/2015	11/13/2015	8/10/2015	N	N	N	19,724	43,113	1,359,171	1,359,171		N/A		N	Mcdonald Island-Stockton-San Joaquin County
956	Capital	Base	Y	33544	31083066	84	GT Gas Gathering Sys	84D	Gas Gathering	5501683-GSM, DIVESTITURE, GATH	193-018_MP0-0.2416_RETIRE_PIPELINE	Engineering/Permitting	9/3/2012	6/26/2017	8/25/2017	8/4/2017	N	Y	N	8,648	8,716	10,438	355,733		N/A		N	Meridian-North Valley-Glenn County
957	Capital	Base	Y	13611	P.01525	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-172A MP 40.07-69.81 ILI Int Mgmt Plan	Close-Out	9/11/2002	1/1/2003	6/7/2004	6/7/2004	N	N	N	7,188	10,370	5,353,933	5,353,933		N/A	2004, 2005, 2008	N	Local Trans-north-Sac-vacadixon-Yolo County
958	Capital	Base	Y	15715	P.01749	98	GT Integrity Managem	98C	ILI Upgrade Pipe ine	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-153 MP 0.00-17.65 ILI Int Mgmt Plan	Close-Out	3/1/2004	3/1/2004	6/20/2005	6/20/2005	N	N	N	29	5,822	8,462,793	8,462,793		Y	2008	N	Local Trans-north-Mission-Alameda County
959	Capital	Base	Y	16964	P.02085	98	GT Integrity Managem	98C	ILI Upgrade Pipe ine	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	Long Trm Int Mgmt work for HCA Pipelines	Close-Out	9/7/2004	7/1/2008	12/13/2012	12/13/2012	N	N	N	2,837	2,837	5,417,150	5,417,150		N/A		N	Tracy-Alameda County
960	Capital	Base	Y	17135	30603923	98	GT Integrity Managem	98C	ILI Upgrade Pipe ine	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-215 MP 0.00-20.05 ILI UPGRADE	Close-Out	12/1/2006	12/1/2006	5/19/2008	5/19/2008	N	N	N	8,329	8,329	1,019,366	1,019,366		N	2008	N	Local Trans-south-Yosemite-Merced County
961	Capital	Base	Y	17137	30603922	98	GT Integrity Managem	98C	ILI Upgrade Pipe ine	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-21C/E MP 35.05-64.36 ILI UPGR	Close-Out	12/1/2006	12/1/2006	4/9/2008	4/9/2008	N	N	N	18,688	51,604	7,746,887	7,746,887		Y	2008	N	Local Trans-north-North Coast-santa Rosa-Humboldt
962	Capital	Base	Y	17140	30603910	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-108 MP 14.62-36.96 ILI UPGRADE	Close-Out	1/3/2007	7/1/2008	10/11/2011	10/11/2011	N	N	N	40,459	145,967	8,499,395	8,499,395		N/A	2008, 2011	N	Local Trans-north-Stockton-San Joaquin County
963	Capital	Base	Y	17142	30603913	98	GT Integrity Managem	98C	ILI Upgrade Pipe ine	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-210B MP 1.37-25.98 ILI UPGRADE	Close-Out	1/3/2007	7/1/2008	3/29/2010	3/29/2010	N	N	N	217	6,189	4,487,003	4,487,003		N/A	2011	N	Local Trans-north-Sac-vacadixon-Sacramento County
964	Capital	Base	Y	17144	30603919	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-210A ILI MP1.38-19.47 PIPELINE UPGRADE	Close-Out	12/1/2007	12/1/2007	6/9/2009	6/9/2009	N	N	N	4,393	6,279	6,715,336	6,715,336		N/A	2008, 2011	N	Local Trans-north-Sac-vacadixon-Humboldt County
965	Capital	Base	Y	17146	30603920	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-57A MP 9.29-16.68 ILI UPGRADE	Close-Out	7/1/2008	7/1/2008	10/17/2011	10/17/2011	N	N	N	11,184	14,427	3,499,770	3,499,770		N/A	2008, 2011	N	Tracy-Diablo-San Joaquin County
966	Capital	Base	Y	17148	30603912	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-1509-05 MP 0.00-6.49 ILI UPGRADE	Close-Out	1/31/2008	11/1/2009	10/20/2011	10/20/2011	N	N	N	10,446	14,014	1,555,811	1,555,811		N/A		N	Meridian-Sierra-Yuba County
967	Capital	Base	Y	17149	30603915	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A MP256.21-299.01 ILI UPGRADE	Close-Out	1/21/2009	10/1/2009	11/3/2011	11/3/2011	N	N	N	58 834	64 308	7 450 836	7 450 836		N	2008 2011	N	Kettleman-Kern-Kern County
968	Capital	Base	Y	17150	30603914	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-210C MP 19.46-32.11 ILI UPGRADE	Close-Out	8/1/2011	8/1/2011	12/14/2012	12/14/2012	N	N	N			7,749,501	7,749,501		N/A	2011	N	Local Trans-north-North Bay-vallejo/napa-Solano Co
969	Capital	Base	Y	17151	30603916	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B MP256.64-299.00 ILI UPGRADE	Close-Out	11/1/2009	11/1/2009	11/1/2011	11/1/2011	N	N	N	24,586	47,502	7,351,611	7,351,611		N	2011	N	Kettleman-Kern-Kern County
970	Capital	Base	Y	17363	30603951	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	*CANC*LONG TRM INT MGMT 2012	Close-Out	1/1/2000	1/1/2000	1/1/2000	1/1/2000	N	N	N						N/A	2011	N	Systemwide-Systemwide-Contra Costa County
971	Capital	Base	Y	19830	30677902	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-013A L-132 MP 0 TO 32 93 ILI UPGRADE	Close-Out	1/27/2010	8/22/2012	7/3/2013	5/17/2014	N	N	N	40 000	103 249	27 326 008	27 326 008		Y	2008	N	Local Trans-south-De Anza-Santa Clara County
972	Capital	Base	Y	19831	P.09309	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-043 L-109 MP 0.00-43.47 ILI Upgrade WBSá	Close-Out	1/27/2010	9/1/2010	8/21/2013	8/21/2013	N	N	N	28,047	47,344	3,793,578	3,793,578		N/A	2011	N	Milpitas/hollister-San Jose-Santa Clara County
973	Capital	Base	Y	19837	30712995	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-014B L-101 MP 0.0-11.85 ILI UPGRADE S.	Close-Out	12/21/2011	4/29/2013	7/3/2013	10/6/2013	N	N	N	28,588	74,178	14,586,274	14,586,274		N		N	Local Trans-south-San Jose-Santa Clara County
974	Capital	Base	Y	19967	P.02962	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-177A ILI Upgrade	Close-Out	11/1/2008	11/1/2008	2/9/2010	2/9/2010	N	N	N	993	3,359	7,920,858	7,920,858		N/A	2011	N	Local Trans-north-North Coast-eureka-Humboldt Coun
975	Capital	Base	Y	22435	P.03559	98	GT Integrity Managem	98D	Long Term Integrity	5512179-GT ILI UPGRADE VALVES	LTIMP Capital overall scope	Close-Out	11/1/2011	11/1/2011	10/17/2012	10/17/2012	N	N	N	1 177	2 312	587 011	587 011		N/A		N	Tracy-Diablo-San Joaquin County
976	Capital	Base	Y	23206	P.03638	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-105N ILI MP 7.75 to 22.85 Upgrade Proj	Close-Out	1/21/2009	8/3/2013	4/18/2014	2/8/2012	N	N	N	11,237	13,913	13,058,158	13,058,158		N/A	2008, 2011	N	Local Trans-north-Mission-Alameda County
977	Capital	Base	Y	26186	30906228	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-210A MP 19.5-25.9 ILI UPGRADE	Close-Out	10/1/2012	5/28/2013	10/19/2013	9/9/2013	N	N	N	5,096	5,287	565,366	565,366		N		N	Local Trans-north-Sacramento-Napa County
978	Capital	Base	Y	26222	30901389	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-132 HEALY STATION LAUNCHER	Estimation	2/21/2012	2/19/2019	4/22/2019	4/6/2019	N	Y	N	117,039	249,517	723,280	3,246,393		N/A		N	Local Trans-south-Peninsula-San Mateo County
979	Capital	Base	Y	26256	30906073	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM-7221-10 T-040-12 CAP MP 7.45-9.65	Close-Out	3/1/2012	3/1/2012	10/16/2012	10/16/2012	N	N	N	5,234	12,010	277,484	277,484		N/A		N	Tracy-Yosemite-modesto-Stanislaus County
980	Capital	Base	Y	27480	30928886	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	GCUST5779 MP 0.00 TO 0.02 (REPLACEMENT)	Close-Out	6/1/2012	6/1/2012	11/21/2012	11/21/2012	N	N	N	5,043	5,043	491,560	491,560		Y		N	Milpitas/hollister-San Jose-Santa Clara County
981	Capital	Base	Y	29224	30963799	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-114 PIG LAUNCHER/RECEIVER AT DALTON	Close-Out	10/12/2012	7/14/2014	12/19/2014	11/26/2014	N	N	N	3,041	7,256	4,964,425	4,964,425		N		N	Tracy-San Joaquin County
982	Capital	Base	Y	29307	30966292	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	GT 67 L177A MP 94.81- 95.05 REPLACE PIPE	Close-Out	12/14/2012	7/14/2014	11/7/2014	9/29/2014	N	N	N	3,818	3,818	3,787,750	3,795,750		N/A		N	Local Trans-north-North Valley-Sutter County
983	Capital	Base	Y	29398	30968135	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-210B CASING REPLACEMENT MP 14.30	Close-Out	6/18/2013	4/28/2014	7/3/2014	6/26/2014	N	N	N	2,903	3,043	2,395,093	2,395,093		N/A		N	Local Trans-north-Sacramento-Sacramento County
984	Capital	Base	Y	30079	30983987	98	GT Integrity Managem	98D	Long Term Integrity	5512179-GT ILI UPGRADE VALVES	RIM - 078 DF3430 MP 4.33 CUT- OUT	Close-Out	2/25/2013	3/1/2013	11/15/2013	11/15/2013	N	N	N	8,599	8,789	262,684	262,684		N/A		N	Milpitas/hollister-Central Coast-Santa Cruz County
985	Capital	Base	Y	30965	P.05262	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-153 ILI Upgrade WBS	Close-Out	11/1/2012	11/1/2012	6/6/2014	6/6/2014	N	N	N	234,162	570,166	39,033,441	41,597,092		N/A		N	Local Trans-north-East Bay-north-Alameda County
986	Capital	Base	Y	31055	31037507	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-045 L-114 MP 28.98-34.06 ILI RECV UPGD	Close-Out	3/1/2014	6/15/2015	8/29/2015	8/31/2015	N	N	N	68,786	6,630	3,492,990	3,492,990		Y		N	Local Trans-north-Diablo-San Joaquin County
987	Capital	Base	Y	31061	74000717	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-044C L-402 MP 0.02-9.54 ILI UPGRADE	Close-Out	3/1/2014	4/4/2016	6/22/2016	6/23/2016	N	N	N	788,880	1,901,120	2,374,574	2,424,574		N		N	Local Trans-north-North Valley-Shasta County
988	Capital	Base	Y	31062	P.08119	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM-0617-06 MP 11.01-13.01 ILI UPGRADE WBS	Close-Out	3/1/2014	8/31/2015	6/24/2016	10/27/2015	N	N	N	151,745	260,802	1,888,371	1,901,371		N		N	Local Trans-north-Sacramento-Sacramento County
989	Capital	Base	Y	31067	31101689	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-105B-2 ILI UPGRADE MP 0.00-0.65	Close-Out	1/1/2015	1/1/2015	5/6/2016	5/6/2016	N	N	N	510	1,342	13,683	1,468,119		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
990	Capital	Base	Y	31068	31101196	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-106D GCUST5775 ILI UPGRD MP 0.00-2.17	Estimation	12/3/2015	6/15/2017	9/11/2017	8/25/2017	N	Y	N	22,779	75,697	75,697	2,028,053		N		N	Local Trans-north-Sacramento-Santa Clara County
991	Capital	Base	Y	31070	P.10663	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-177A / L-189 ILI UPGRADE WBS	Engineering/Permitting	7/15/2015	5/10/2017	8/11/2017	7/27/2017	N	Y	N	244,178	574,701	722,028	3,321,650		N		N	Local Trans-north-North Coast-eureka-Sutter County
992	Capital	Base	Y	31071	P.10665	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-119C ILI UPGRADE WBS	Close-Out	7/12/2013	7/12/2016	11/21/2016	11/16/2016	N	N	Y	4 046 829	4 234 795	4 400 151	4 490 151		Y		N	Local Trans-north-Sacramento-Sacramento County
993	Capital	Base	Y	31077	P.10790	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-105 ILI UPGRADES DFM 2408-05	Estimation	9/24/2015	6/22/2017	8/28/2017	8/12/2017	N	Y	N	96,352	316,136	417,375	9,284,551		N/A		N	Local Trans-north-Mission-Alameda County
994	Capital	Base	Y	31078	31101686	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-0215-01 ILI UPGRADE MP 0.00-0.99	Close-Out	6/1/2015	6/1/2015	5/6/2016	5/6/2016	N	N	N	352	1,372	9,358	1,463,795		Y		N	Local Trans-south-Peninsula-San Mateo County
995	Capital	Base	Y	31079	31051618	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-21H ILI UPGRADE MP 0.00-1.52	Close-Out	5/1/2013	2/17/2015	11/4/2016	11/9/2015	N	N	Y	374	3,362	941,007	941,007		N/A		N	Local Trans-north-North Bay-san Rafael-Solano Coun
996	Capital	Base	Y	31080	31100830	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-103B L-173 ILI UPGRADE MP 3.22-17.56	Estimation	7/12/2013	3/28/2017	8/1/2017	7/17/2017	N	Y	N	259 261	1 379 107	1 868 636	2 170 397		N		N	Local Trans-north-Sacramento-Placer County
997	Capital	Base	Y	31415	31011200	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-066 L-57C MP 0.00 - 6.41 ILI UPGR PRJ	Close-Out	10/16/2013	3/18/2015	8/20/2015	7/11/2014	N	N	N	15,114	40,377	1,754,150	1,754,150		N		N	Mcdonald Island-Stockton-San Joaquin County
998	Capital	Base	Y	31605	31017384	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-103E L-173 MP 7.63 REPL MLV-7.63	Close-Out	8/26/2013	2/26/2016	3/2/2016	2/25/2016	N	N	N	-672	758,497	844,985	844,985		N/A		N	Local Trans-north-Sierra-Placer County
999	Capital	Base	Y	31708	31018615	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-101N ILI UPGRADE MP 32.57-33.68	Close-Out	9/1/2013	9/1/2013	12/28/2016	12/28/2016	N	N	Y	21,350	41,927	568,194	568,194		N/A		N	Local Trans-south-Peninsula-San Mateo County
1000	Capital	Base	Y	34234	74000909	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-044B L-402 MP 33.52 ILI UPGRADE RECEIV	Close-Out	3/25/2015	7/29/2016	10/28/2016	7/29/2016	N	N	Y	2 202 115	2 398 059	2 716 275	2 986 275		N		N	Local Trans-north-North Valley-Shasta County
1001	Capital	Base	Y	34235	74000861	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-044A L-402 MP 0.02 ILI UPGRADE LAUNCHE	Close-Out	9/24/2014	3/7/2016	6/22/2016	6/23/2016	N	N	N	799,196	2,761,171	3,064,407	3,114,407		N/A		N	Local Trans-north-North Valley-Shasta County
1002	Capital	Base	Y	34236	P.08076	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM-1202-16/L-138C ILI UPGRADE WBS	Close-Out	5/12/2014	6/24/2015	11/20/2015	9/23/2015	N	N	N	69,900	183,768	7,919,051	7,934,051		N/A		N	Local Trans-south-Fresno-Fresno County
1003	Capital	Base	Y	34239	P.08119	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM-0617-06 MP 11.01-13.01 ILI UPGRADE WBS	Close-Out	10/27/2014	8/1/2015	8/15/2016	10/27/2015	N	N	Y	164,056	757,306	3,072,857	3,085,857		N		N	Local Trans-north-Sacramento-Sacramento County
1004	Capital	Base	Y	34241	P.08119	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM-0617-06 MP 11.01-13.01 ILI UPGRADE WBS	Close-Out	10/27/2014	8/17/2015	10/31/2016	12/15/2015	N	N	Y	7 326	1 138 767	3 964 003	3 977 003		N		N	Local Trans-north-Sacramento-Sacramento County
1005	Capital	Base	Y	34323	P.08100	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-215 MP 0.00-20.05 ILI UPGRADE WBS	Close-Out	1/21/2014	4/25/2016	6/9/2016	5/18/2016	N	N	N	463,567	3,918,272	14,172,135	14,247,135		N		N	Local Trans-south-Yosemite-Stanislaus County
1006	Capital	Base	Y	34325	P.08102	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-132A MP 0.00-1.49 ILI UPGRADE WBS	Close-Out	4/8/2014	10/19/2015	3/3/2016	1/6/2016	N	N	N	-12,236	1,834,670	11,287,228	11,287,228		Y		N	Local Trans-south-De Anza-Santa Clara County
1007	Capital	Base	Y	34326	P.08103	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-138 MP 43.58-49.43 ILI UPGRADE WBS	Close-Out	3/1/2014	5/27/2015	8/8/2015	9/11/2015	N	N	N	79,359	185,183	5,459,056	5,459,056		Y		N	Local Trans-south-Fresno-Fresno County
1008	Capital	Base	Y	34327	P.08104	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-119A MP 9.69-16.46 ILI UPGRADE WBS	Close-Out	7/24/2014	6/12/2015	11/10/2016	8/27/2015	N	N	Y	101,004	186,571	4,906,686	4,906,686		Y		N	Local Trans-north-Sacramento-Yolo County
1009	Capital	Base	Y	34328	P.08105	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-108 MP 51.79-74.93 ILI UPGRADE WBS	Close-Out	7/1/2014	5/12/2016	11/10/2016	5/17/2016	N	N	Y	942,418	3,707,047	17,517,677	17,517,677		N		N	Local Trans-north-Sacramento-Sacramento County
1010	Capital	Base	Y	34355	P.08106	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	SP-5/L-191 MP 0.00-5.78 ILI UPGRADE WBS	Close-Out	11/13/2014	8/10/2015	11/6/2015	10/19/2015	N	N	N	49,311	-77,001	3,926,605	3,926,605		Y		N	Los Medanos-East Bay-north-Contra Costa County
1011	Capital	Base	Y	34356	P.08107	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-107 MP 26.61-38.12 ILI UPGRADE WBS	Construction	4/10/2014	7/14/2015	11/5/2016	5/9/2016	N	N	Y	1,738,791	3,924,029	9,850,440	9,850,440		Y		N	Local Trans-north-Mission-Santa Clara County
1012	Capital	Base	Y	34456	P.08109	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	FOLSOM 16-IN DFM ILI UPGRADE WBS	Construction	10/9/2014	8/31/2015	12/30/2016	12/1/2015	N	N	Y	-1,469,331	341,841	21,770,046	21,810,847		N/A		N	Local Trans-north-Sacramento-Sacramento County
1013	Capital	Base	Y	35408	31100865	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	2015 PORTABLE ILI EQUIPMENT	Close-Out	9/2/2014	4/1/2015	12/28/2016	12/28/2016	N	N	Y	14,512	42,723	386,218	386,218		N/A		N	Systemwide-Systemwide-Multiple Counties
1014	Capital	Base	Y	35409	31101293	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-106C L-0639-01 ILI UPGR MP 0.01-1.85	Estimation	12/3/2015	6/15/2017	9/11/2017	8/25/2017	N	Y	N	30,301	82,840	118,787	1,283,656		N		N	Local Trans-north-Sacramento-Sacramento County
1015	Capital	Base	Y	35411	P.10631	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-142N ILI UPGRADE WBS I-100	Close-Out	1/7/2015	9/8/2016	11/12/2016	11/16/2016	N	N	Y	1,196,397	1,320,705	2,367,365	2,517,365		N/A		N	Local Trans-south-Kern-bakersfield-Kern County
1016	Capital	Base	Y	35412	31100832	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-111C L-191 MP 3.88-9.44 ILI UPGRADE	Close-Out	7/16/2015	8/22/2016	11/5/2016	11/1/2016	N	N	Y	1,578,716	1,823,061	1,919,100	2,019,100		Y		N	Local Trans-north-Diablo-Contra Costa County
1017	Capital	Base	Y	35413	31100867	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-112C 021E ILI UPGR INSTAL LAUNC 125.85	Close-Out	2/23/2015	12/4/2015	11/10/2016	12/4/2015	N	N	Y	74 720	1 772 101	1 827 858	1 827 858		N/A		N	Local Trans-north-North Coast-ukiah-Humboldt Count
1018	Capital	Base	Y	35414	31100868	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-113B L-2403-12 ILI UPGRADE LAUNCHER	Estimation	8/13/2015	3/12/2018	7/2/2018	6/17/2018	N	Y	N	28,872	360,343	490,401	9,585,586		Y		N	Local Trans-north-Systemwide-Alameda County
1019	Capital	Base	Y	35416	P.10525	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-101	Estimation	7/30/2015	5/2/2017	8/15/2017	7/31/2017	N	Y	N	60,563	168,915	293,873	1,514,924		N		N	Hinkley-Kern-Kern County
1020	Capital	Base	Y	35417	P.10527	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-102	Estimation	7/30/2015	3/6/2017	6/13/2017	5/12/2017	N	Y	N	42,734	160,187	230,067	1,210,233		N		N	Hinkley-Kern-Kings County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
1021	Capital	Base	Y	35418	31101191	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-114A L-316-20/316-2 UPG MP 0/0-0.87/1.	Estimation	12/30/2015	3/6/2017	5/13/2017	4/28/2017	N	Y	N	42,941	264,896	284,193	284,193		N		N	Systemwide-Systemwide-San Joaquin County
1022	Capital	Base	Y	35901	31101801	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	GT RT-115 L-21E MP 73.59 ILI DIG 4 REPL	Close-Out	9/17/2014	2/9/2015	4/6/2015	3/18/2015	N	N	N	132	592	1,178,276	1,178,276		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
1023	Capital	Base	Y	36870	74000910	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	ED OFF L-401 IL	Construction	2/23/2015	11/1/2015	4/26/2017	8/7/2015	N	Y	N	21 982	23 201	2 178 694	2 178 694		N/A		N	Local Trans-north-North Valley-Shasta County
1024	Capital	Base	Y	36890	P.08799	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-101 Mp 11.62-32.57 ILI Upgrade WBS	Close-Out	12/21/2011	12/17/2013	5/15/2014	4/24/2014	N	N	N	19,074	-57,420	16,232,640	16,232,640		N/A		N	Local Trans-south-Peninsula-San Mateo County
1025	Capital	Base	Y	37004	31120713	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	RT-131 L-21E MP 83.11 REPL 20FT OF 12IN	Close-Out	12/1/2014	4/7/2015	5/15/2015	4/27/2015	N	N	N	1,528	20,020	434,455	434,455		N/A		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
1026	Capital	Base	Y	37131	P.09309	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-043 L-109 MP 0.00-43.47 ILI Upgrade WBSá	Close-Out	3/5/2013	8/10/2015	11/14/2015	10/15/2015	N	N	N	-22,002	-8,468	1,895,059	1,895,059		N/A		N	Local Trans-south-De Anza-Santa Clara County
1027	Capital	Base	Y	37132	P.09309	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-043 L-109 MP 0.00-43.47 ILI Upgrade WBSá	Close-Out	3/5/2013	3/10/2015	5/12/2015	4/22/2015	N	N	N	20 943	33 961	973 671	973 671		N/A		N	Local Trans-south-De Anza-Santa Clara County
1028	Capital	Base	Y	37133	P.09309	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-043 L-109 MP 0.00-43.47 ILI Upgrade WBSá	Close-Out	3/5/2013	2/11/2015	6/5/2015	4/20/2015	N	N	N	-6,611	19,881	4,252,593	4,252,593		N/A		N	Local Trans-south-San Jose-Santa Clara County
1029	Capital	Base	Y	37589	31135666	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B MP 393-450 CONVERT LAUNCH TO PERM	Close-Out	10/8/2015	5/30/2016	9/15/2016	8/11/2016	N	N	Y	418,354	1,100,188	1,104,442	1,104,442		N/A		N	Systemwide-Systemwide-Kings County
1030	Capital	Base	Y	37598	31135673	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-235A L-021F ILI UPGRADE MP 0.00-21.16	Close-Out	5/20/2015	4/18/2016	8/3/2016	8/3/2016	N	N	Y	893,057	1,287,390	1,298,420	1,298,420		N		N	Local Trans-north-North Bay-san Rafael-Napa County
1031	Capital	Base	Y	37615	31135748	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-235B L-021G ILI UPGRADE MP 0.00-20.83	Close-Out	5/20/2015	4/18/2016	8/3/2016	8/3/2016	N	N	Y	891 924	1 285 522	1 288 403	1 288 403		Y		N	Local Trans-north-North Bay-san Rafael-Marin Count
1032	Capital	Base	Y	37621	31135753	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-111B L-191 SP5 ILI UPGR 3.88 / 0.11-1	Close-Out	7/16/2015	8/15/2016	12/13/2016	11/1/2016	N	N	Y	1,762,448	2,270,731	2,392,856	2,442,856		N/A		N	Local Trans-north-Diablo-Contra Costa County
1033	Capital	Base	Y	37840	P.09309	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-043 L-109 MP 0.00-43.47 ILI Upgrade WBSá	Close-Out	4/30/2015	11/17/2015	10/29/2016	12/29/2015	N	N	Y	1,021,850	2,203,638	4,953,619	4,953,619		N/A		N	Local Trans-south-Peninsula-San Mateo County
1034	Capital	Base	Y	37899	31135034	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	GT ID-48-2 L-300B MP 331.12	Close-Out	2/6/2015	2/13/2015	3/21/2015	4/12/2016	N	N	N	132	10,524	457,400	457,400		N/A		N	Kettleman-Kern-bakersfield-Kings County
1035	Capital	Base	Y	37953	31136965	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	R-570 L-147 MP 2.35 ILI CUT OUT (RT)	Close-Out	2/25/2015	4/21/2015	7/17/2015	11/24/2015	N	N	N	-223,893	-339,671	3,289,064	3,289,064		N/A		N	Systemwide-Systemwide-Multiple Counties
1036	Capital	Base	Y	37980	P.10666	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM 1202-16 MP 0.00-2.59 ILI UPGRADE WBS	Estimation	7/16/2015	2/7/2018	4/16/2018	4/1/2018	N	Y	N	130,201	306,485	451,791	2,671,909		N		N	Local Trans-south-Fresno-Fresno County
1037	Capital	Base	Y	38325	31142033	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-132 ILI UPGRADE MP 40.07 - 46.59	Estimation	10/22/2015	2/19/2019	5/22/2019	5/7/2019	N	Y	N	109,298	312,657	351,093	2,189,152		N/A		N	Systemwide-Systemwide-San Mateo County
1038	Capital	Base	Y	38339	31176105	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-131 MP24.89-50.54 CONV LAUNCH TO PERM	Close-Out	10/8/2015	3/7/2016	6/24/2016	4/15/2016	N	N	N	161,977	1,077,151	1,082,600	1,082,600		N/A		N	Systemwide-Systemwide-Contra Costa County
1039	Capital	Base	Y	38973	31162068	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-112D L-021E MP 125.85 ILI REC INSTALL	Engineering/Perm tting	7/23/2015	7/24/2017	12/19/2017	12/4/2017	N	Y	N	56,413	153,936	271,865	3,157,890		Y		N	Local Trans-north-North Coast-ukiah-Mendocino Coun
1040	Capital	Base	Y	38978	74000911	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-044E L-402 MP 9.54-33.52 ILI UPGRADE	Close-Out	9/24/2014	2/29/2016	11/10/2016	8/9/2016	N	N	Y	7,475,164	9,219,785	9,240,912	9,390,912		N		N	Local Trans-north-North Valley-Shasta County
1041	Capital	Base	Y	38980	74000912	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-044F L-402 MP 21.71 ILI UPGRADE LAUNCH	Close-Out	9/24/2014	3/23/2016	10/29/2016	6/24/2016	N	N	Y	4,097,485	4,509,599	4,682,035	5,268,035		Y		N	Local Trans-north-North Valley-Shasta County
1042	Capital	Base	Y	39307	31161832	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-147 L-114/131 PIGGABLE WYE	Engineering/Permitting	8/31/2012	7/31/2018	9/26/2018	9/3/2018	N	Y	N	13,944	258,011	328,810	1,440,984		N/A		N	Tracy-Diablo-Contra Costa County
1043	Capital	Base	Y	39339	31167621	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-132 0.12MI MP 42.25-42.37 REPL	Estimation	7/23/2015	2/19/2019	4/9/2019	3/26/2019	N	Y	N	-21,906	379,313	417,600	4,759,596		N/A		N	Local Trans-south-Peninsula-San Mateo County
1044	Capital	Base	Y	39414	31162066	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-112A 021E ILI UPGR MP 114.89-119.95	Estimation	7/23/2015	7/24/2017	12/19/2017	12/4/2017	N	Y	N	7 727	24 752	40 964	1 111 964		Y		N	Local Trans-north-North Coast-ukiah-Mendocino Coun
1045	Capital	Base	Y	39416	31162067	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-112B 021E ILI UPGRADE MP 119.95-125.85	Engineering/Perm tting	7/23/2015	7/24/2017	12/19/2017	12/4/2017	N	Y	N	2,601	5,239	17,309	2,583,334		Y		N	Local Trans-north-North Coast-ukiah-Mendocino Coun
1046	Capital	Base	Y	39585	P.10666	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM 1202-16 MP 0.00-2.59 ILI UPGRADE WBS	Close-Out	7/16/2015	5/31/2016	12/15/2016	8/24/2016	N	N	Y	1,717,593	2,969,160	3,091,420	6,155,020		N		N	Local Trans-south-Fresno-Fresno County
1047	Capital	Base	Y	39587	P.10666	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM 1202-16 MP 0.00-2.59 ILI UPGRADE WBS	Estimation	7/16/2015	2/2/2018	3/14/2018	2/27/2018	N	Y	N	753,299	952,767	1,052,336	4,210,084		N		N	Local Trans-south-Fresno-Fresno County
1048	Capital	Base	Y	39606	P.10525	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-101	Estimation	7/28/2015	5/2/2017	7/6/2017	6/20/2017	N	Y	N	23 880	74 605	135 768	1 279 799		N		N	Hinkley-Kern-Kern County
1049	Capital	Base	Y	39607	P.10525	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-101	Estimation	8/5/2015	5/2/2017	7/6/2017	6/20/2017	N	Y	N	7,987	110,381	176,696	1,320,792		N		N	Hinkley-Kern-Kern County
1050	Capital	Base	Y	39608	P.10525	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-101	Estimation	8/5/2015	6/13/2017	9/7/2017	8/22/2017	N	Y	N	35,696	113,667	167,896	1,311,900		N		N	Hinkley-Kern-Kern County
1051	Capital	Base	Y	39609	P.10525	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-101	Estimation	8/5/2015	8/30/2017	11/1/2017	10/17/2017	N	Y	N	20,211	134,798	178,347	1,321,585		N		N	Hinkley-Kern-Kern County
1052	Capital	Base	Y	39610	P.10525	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-101	Estimation	8/5/2015	8/30/2017	11/1/2017	10/17/2017	N	Y	N	19 774	36 103	77 913	1 221 945		N		N	Hinkley-Kern-Kern County
1053	Capital	Base	Y	39611	P.10525	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-101	Estimation	8/5/2015	8/30/2017	11/1/2017	10/17/2017	N	Y	N	4,443	115,683	164,314	1,383,344		N		N	Hinkley-Kern-Kern County
1054	Capital	Base	Y	39612	31164958	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-101H L-300A PLS4A LAUNCHER PERMANENT	Estimation	2/2/2015	3/20/2017	8/23/2017	7/28/2017	N	Y	N	88,045	91,726	95,818	1,239,849		N		N	Hinkley-Kern-Kern County
1055	Capital	Base	Y	39615	P.10527	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-102	Estimation	7/28/2015	3/6/2017	6/10/2017	5/12/2017	N	Y	N	17,326	87,160	140,153	1,046,442		N		N	Hinkley-Kern-Kern County
1056	Capital	Base	Y	39616	P.10527	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-102	Estimation	7/28/2015	3/6/2017	6/21/2017	5/12/2017	N	Y	N	23,847	101,433	137,716	1,044,005		N		N	Hinkley-Kern-Kern County
1057	Capital	Base	Y	39617	P.10527	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-102	Estimation	8/5/2015	1/23/2017	6/3/2017	4/28/2017	N	Y	N	64,904	161,199	207,170	1,113,459		N		N	Kettleman-Kern-bakersfield-Kern County
1058	Capital	Base	Y	39618	P.10527	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-102	Estimation	8/5/2015	1/23/2017	6/3/2017	4/28/2017	N	Y	N	95,814	223,416	259,038	1,165,327		N		N	Hinkley-Kern-Kern County
1059	Capital	Base	Y	39619	P.10527	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-102	Construction	8/1/2015	8/1/2015	4/17/2017	4/17/2017	N	Y	N	-14,614	5,557	38,021	944,312		N		N	Hinkley-Kern-Kern County
1060	Capital	Base	Y	39620	P.10527	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-102	Estimation	8/5/2015	4/8/2017	8/5/2017	6/23/2017	N	Y	N	42,696	127,549	149,580	1,130,872		N		N	Hinkley-Kern-Kern County
1061	Capital	Base	Y	39621	31165043	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-102H L-300B PIG TRAP CONVERS TO PERM	Estimation	2/2/2015	3/20/2017	8/12/2017	7/28/2017	N	Y	N	18,672	21,385	24,424	930,717		N		N	Hinkley-Kern-Kern County
1062	Capital	Base	Y	39631	31164751	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-113C DFM 2403-12 ILI UPGRADE RECEIVER	Estimation	8/13/2015	3/12/2018	7/2/2018	6/17/2018	N	Y	N	-1,108,177	674,371	757,183	3,680,454		N/A		N	Local Trans-north-Mission-Alameda County
1063	Capital	Base	Y	39632	31164749	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-113A RIE 2403-12 MP 0.00-2.88 ILI UPGR	Estimation	8/13/2015	3/13/2018	7/3/2018	6/18/2018	N	Y	N	63,503	159,665	191,284	953,145		Y		N	Local Trans-north-Mission-Alameda County
1064	Capital	Base	Y	39633	31164746	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-103C L-173 MP 3.22-9.79 ILI UPGRADE	Estimation	6/1/2015	1/3/2017	4/12/2017	3/28/2017	N	Y	N	300,229	1,136,972	1,193,285	3,616,801		N		N	Local Trans-north-Sierra-Placer County
1065	Capital	Base	Y	39634	31164747	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-103D L-173 MP 9.79-17.56 ILI UPGRADE	Estimation	6/1/2015	3/28/2017	8/7/2017	7/22/2017	N	Y	N	-14,899	170,297	211,495	1,234,395		N		N	Local Trans-north-Sierra-Placer County
1066	Capital	Base	Y	39635	31164748	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-103A LAUNCHER MP. 3.22	Construction	6/1/2015	12/15/2016	3/11/2017	2/24/2017	N	Y	N	128,324	1,001,186	1,167,060	3,493,539		N/A		N	Local Trans-north-Sierra-Placer County
1067	Capital	Base	Y	39696	P.10665	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-119C ILI UPGRADE WBS	Close-Out	7/15/2015	7/12/2016	11/28/2016	11/16/2016	N	N	Y	1,671,927	2,035,727	2,176,171	2,251,171		Y		N	Local Trans-north-Sacramento-Sacramento County
1068	Capital	Base	Y	39712	31167255	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-21H MP 0.00- 1.52 ILI UPGRADE RECEIVER	Engineering/Permitting	8/13/2015	6/10/2017	7/25/2017	7/10/2017	N	Y	N	6,663	3,863	37,355	1,542,087		N/A		N	Local Trans-north-East Bay-north-Solano County
1069	Capital	Base	Y	39713	31167256	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-21H MP 0.00-1.52 ILI UPGRADES	Engineering/Permitting	8/17/2015	6/10/2017	7/25/2017	7/10/2017	N	Y	N	23 602	123 035	168 013	3 869 439		N/A		N	Local Trans-north-East Bay-north-Solano County
1070	Capital	Base	Y	39714	P.10528	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-125	Estimation	7/30/2015	3/15/2017	8/26/2017	8/11/2017	N	Y	N	34,419	104,957	134,730	2,601,729		N/A		N	Local Trans-south-Kern-San Bernardino County
1071	Capital	Base	Y	39715	P.10528	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-125	Estimation	7/1/2015	3/11/2019	4/23/2019	4/8/2019	N	Y	N	73,359	130,171	182,577	2,982,627		N/A		N	Local Trans-south-Kern-San Bernardino County
1072	Capital	Base	Y	39716	P.10528	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-125	Estimation	7/30/2015	3/11/2019	4/23/2019	4/8/2019	N	Y	N	61,317	180,764	218,168	2,318,126		N/A		N	Local Trans-south-Kern-San Bernardino County
1073	Capital	Base	Y	39717	P.10529	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-126	Estimation	7/30/2015	3/11/2019	4/23/2019	4/8/2019	N	Y	N	51 387	138 123	151 234	2 653 232		Y		N	Local Trans-south-Kern-San Bernardino County
1074	Capital	Base	Y	39718	P.10529	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-126	Estimation	7/30/2015	3/11/2019	4/23/2019	4/8/2019	N	Y	N	71,196	128,862	181,192	2,981,242		N		N	Local Trans-south-Kern-San Bernardino County
1075	Capital	Base	Y	39719	P.10529	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-126	Estimation	7/30/2015	3/11/2019	4/23/2019	4/8/2019	N	Y	N	93,995	144,827	148,486	2,248,444		N		N	Local Trans-south-Kern-San Bernardino County
1076	Capital	Base	Y	39721	31167257	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-127A L-105A MP 42.91 - 52.01 ILI RECEI	Construction	8/1/2015	8/1/2015	8/3/2017	8/3/2017	N	Y	N	-829,951	-671,861	301,917	3,012,593		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
1077	Capital	Base	Y	39722	31167258	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-127C L-105A MP 44.5-52.04 ILI LAUNCHER	Construction	8/1/2015	8/1/2015	7/25/2017	7/25/2017	N	Y	N	375	32 061	52 502	2 419 392		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
1078	Capital	Base	Y	39723	P.10631	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-142N ILI UPGRADE WBS I-100	Close-Out	1/7/2015	5/4/2016	10/28/2016	11/16/2016	N	N	Y	2,210,482	2,253,994	2,271,689	2,421,689		N/A		N	Local Trans-south-Kern-Kern County
1079	Capital	Base	Y	39730	P.10662	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-138 MP 38.58 - 43.4 ILI UPGRADE WBS	Close-Out	7/16/2015	7/28/2016	11/9/2016	9/12/2016	N	N	Y	2,971,833	3,445,668	3,613,088	3,693,088		N/A		N	Local Trans-south-Fresno-Fresno County
1080	Capital	Base	Y	39855	31167599	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-132 MP 46.6 LAUNCHER	Close-Out	10/22/2015	7/23/2016	11/10/2016	11/29/2016	N	N	Y	1,630,218	1,743,101	1,755,201	1,755,201		N/A		N	Local Trans-south-Peninsula-San Francisco County
1081	Capital	Base	Y	39857	31167620	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-132 MP 51.53 RECEIVER	Estimation	10/22/2015	9/14/2017	10/19/2017	10/4/2017	N	Y	N	-855,904	138,029	142,173	1,420,318		N/A		N	Local Trans-south-San Francisco-San Francisco Coun
1082	Capital	Base	Y	39858	P.10790	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-105 ILI UPGRADES DFM 2408-05	Engineering/Perm tting	8/31/2015	6/22/2017	8/28/2017	8/12/2017	N	Y	N	112,313	184,637	231,290	2,862,176		N/A		N	Local Trans-north-Mission-Alameda County
1083	Capital	Base	Y	39861	P.10790	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-105 ILI UPGRADES DFM 2408-05	Engineering/Perm tting	9/3/2015	6/22/2017	9/23/2017	9/8/2017	N	Y	N	55,173	214,320	238,217	3,462,619		N/A		N	Local Trans-north-Mission-Alameda County
1084	Capital	Base	Y	39862	P.10790	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-105 ILI UPGRADES DFM 2408-05	Close-Out	8/31/2015	10/21/2015	12/26/2015	1/22/2016	N	N	N	63,884	83,889	2,110,843	2,110,843		N/A		N	Local Trans-north-Mission-Alameda County
1085	Capital	Base	Y	40010	31167449	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-104E 177A ILI UPGR MP 163.04 - 170.39	Engineering/Perm tting	7/15/2015	5/10/2017	6/12/2017	5/26/2017	N	Y	N	75,579	234,864	259,305	2,423,666		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1086	Capital	Base	Y	40011	31167450	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-104F 177A ILI UPGR MP 170.39 - 173.90	Engineering/Perm tting	7/15/2015	5/10/2017	6/23/2017	6/8/2017	N	Y	N	26,258	181,097	246,080	2,400,573		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1087	Capital	Base	Y	40012	31167451	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-104G ILI UPGRADE L189 REPL MP0.00-0.07	Engineering/Perm tting	7/15/2015	5/10/2017	6/12/2017	5/26/2017	N	Y	N	150,184	273,135	294,306	4,186,940		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1088	Capital	Base	Y	40013	31167452	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-104H ILI UPGRADE MP 178.19 - 182.40	Engineering/Perm tting	7/15/2015	5/10/2017	6/12/2017	5/26/2017	N	Y	N	14,398	115,882	168,517	2,208,048		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1089	Capital	Base	Y	40014	31167453	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-104I 177A ILI UPGR MP 182.40-185.60	Engineering/Permitting	7/15/2015	5/10/2017	6/12/2017	5/26/2017	N	Y	N	49,798	147,119	202,045	2,238,197		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1090	Capital	Base	Y	40015	P.10663	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-177A / L-189 ILI UPGRADE WBS	Engineering/Permitting	7/1/2015	5/10/2017	6/12/2017	5/26/2017	N	Y	N	108,389	409,404	475,571	2,165,739		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1091	Capital	Base	Y	40016	31167447	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-104C TOMPKINS HILL STATION BYPASS	Engineering/Permitting	7/15/2015	5/10/2017	6/12/2017	5/26/2017	N	Y	N	122,157	496,519	516,594	2,739,241		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1092	Capital	Base	Y	40017	31167448	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-104D L-177A HMBLDT HILL PIGGING FACLTY	Engineering/Permitting	7/15/2015	5/10/2017	6/12/2017	5/26/2017	N	Y	N	193,603	770,790	808,783	2,748,678		N/A		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1093	Capital	Base	Y	40023	P.10631	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-142N ILI UPGRADE WBS I-100	Close-Out	8/5/2015	9/13/2016	12/10/2016	11/21/2016	N	N	Y	3,123,250	3,229,664	3,348,681	3,431,099		N/A		N	Local Trans-south-Kern-bakersfield-Kern County
1094	Capital	Base	Y	40024	P.10631	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-142N ILI UPGRADE WBS I-100	Close-Out	7/1/2015	7/1/2015	11/17/2016	11/17/2016	N	N	Y	598 904	673 331	736 953	767 039		N/A		N	Local Trans-south-Kern-bakersfield-Kern County
1095	Capital	Base	Y	40327	P.10631	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-142N ILI UPGRADE WBS I-100	Close-Out	8/5/2015	8/23/2016	11/19/2016	11/15/2016	N	N	Y	3,141,655	3,207,066	3,352,657	3,487,008		N/A		N	Local Trans-south-Kern-bakersfield-Kern County
1096	Capital	Base	Y	40328	P.10631	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-142N ILI UPGRADE WBS I-100	Close-Out	8/5/2015	8/23/2016	11/19/2016	11/14/2016	N	N	Y	1,241,736	1,329,031	1,386,937	1,419,227		N/A		N	Local Trans-south-Kern-bakersfield-Kern County
1097	Capital	Base	Y	40333	P.10528	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-125	Engineering/Permitting	8/20/2015	3/11/2019	4/23/2019	4/8/2019	N	Y	N	102,815	188,548	205,465	3,005,515		N/A		N	Topock-Kern-San Bernardino County
1098	Capital	Base	Y	40334	P.10528	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI Upgrade WBS I-125	Estimation	8/20/2015	1/22/2019	3/6/2019	2/19/2019	N	Y	N	67 999	107 579	144 225	2 744 275		N/A		N	Topock-Kern-San Bernardino County
1099	Capital	Base	Y	40335	P.10529	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-126	Engineering/Permitting	8/20/2015	3/11/2019	4/23/2019	4/8/2019	N	Y	N	73,764	154,550	165,653	2,265,611		N		N	Topock-Kern-San Bernardino County
1100	Capital	Base	Y	40336	P.10529	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI Upgrade WBS I-126	Estimation	8/20/2015	3/11/2019	4/23/2019	4/8/2019	N	Y	N	71,166	118,219	162,033	2,162,207		N		N	Topock-Kern-San Bernardino County
1101	Capital	Base	Y	40415	74002521	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-402B MP 12.99 RECEIVER	Close-Out	1/1/2016	1/1/2016	8/9/2016	8/9/2016	N	N	Y	5,620,173	6,235,379	6,235,379	6,382,302		N		N	Local Trans-north-North Valley-Shasta County
1102	Capital	Base	Y	40425	31176103	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-119B MP 0-10.16 CONVERT RCVR TO PERM	Close-Out	10/8/2015	1/25/2016	6/1/2016	7/21/2016	N	N	N	46 106	682 389	716 375	716 375		N/A		N	Systemwide-Systemwide-Sacramento County
1103	Capital	Base	Y	40426	31176104	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-100 MP138.43-150.14 CONVERT LAUNCHER T	Close-Out	10/8/2015	1/25/2016	6/24/2016	4/1/2016	N	N	N	83,645	1,030,385	1,057,102	1,057,102		N/A		N	Systemwide-Systemwide-Santa Clara County
1104	Capital	Base	Y	40548	31185443	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-106A 0639-01 ILI UPGRADE LAUNCHER	Estimation	3/18/2016	3/15/2017	5/4/2017	4/19/2017	N	Y	N	183,596	253,374	258,170	3,913,068		N/A		N	Local Trans-north-Sacramento-Sacramento County
1105	Capital	Base	Y	40549	31185444	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-106B 0639-02 ILI UPGR-CASING CROSS'G	Estimation	1/4/2016	3/15/2017	4/25/2017	4/10/2017	N	Y	N	377,923	504,863	508,373	3,711,039		N/A		N	Local Trans-north-Sacramento-Sacramento County
1106	Capital	Base	Y	40550	31185445	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-106E GCUST5774 ILI UPGRADE RECEIVER	Estimation	12/31/2015	6/15/2017	9/11/2017	8/25/2017	N	Y	N	22 053	69 651	69 810	1 122 727		N/A		N	Local Trans-north-Sacramento-Sacramento County
1107	Capital	Base	Y	40755	31184993	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-110C L-119C ILI UPGRADE MP 3.54 & 3.65	Close-Out	7/23/2015	7/12/2016	11/21/2016	11/16/2016	N	N	Y	1,109,636	1,192,317	1,219,892	1,219,892		Y		N	Local Trans-north-Sacramento-Sacramento County
1108	Capital	Base	Y	40793	31184770	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-110D PIPELINE FEATURE PROJECT 2	Close-Out	7/23/2015	1/4/2016	11/10/2016	1/4/2016	N	N	Y	1,591,058	1,608,244	1,628,705	1,628,705		N/A		N	Local Trans-north-Sacramento-Shasta County
1109	Capital	Base	Y	40863	31185458	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	10124A MP0-26 ILI CONVERT LAUNCH TO PERM	Close-Out	10/8/2015	1/25/2016	3/2/2016	6/16/2016	N	N	N	36,090	600,317	660,655	660,655		N/A		N	Systemwide-Systemwide-Yuba County
1110	Capital	Base	Y	40864	31185459	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-124A MP0-26 ILI CONVERT RCVR TO PERM	Close-Out	10/8/2015	2/4/2016	3/2/2016	6/16/2016	N	N	N	24,802	700,084	716,974	716,974		N/A		N	Systemwide-Systemwide-Yuba County
1111	Capital	Base	Y	40866	31186161	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-109 MP0-31.93 - CONV RCVR TO PERM	Close-Out	10/8/2015	5/23/2016	7/11/2016	8/4/2016	N	N	Y	436,025	1,066,123	1,073,932	1,073,932		N/A		N	Systemwide-Systemwide-Santa Clara County
1112	Capital	Base	Y	40867	31186162	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L107 MP26.01 & L131 MP46.34 CONVRT PERM	Close-Out	10/8/2015	3/21/2016	11/10/2016	6/16/2016	N	N	Y	494,497	1,761,207	1,810,615	1,810,615		Y		N	Systemwide-Systemwide-Alameda County
1113	Capital	Base	Y	40876	31186163	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-21C/D/E MP 31.8-53.1 CONV L&R TO PERM	Close-Out	10/8/2015	6/20/2016	10/28/2016	10/10/2016	N	N	Y	1,091,783	1,541,639	1,542,742	1,542,742		Y		N	Systemwide-Systemwide-Sonoma County
1114	Capital	Base	Y	41040	31196096	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-215 CONVERT PORTABLE LAUNCHER TO PERMA	Close-Out	10/12/2015	3/28/2016	6/9/2016	4/27/2016	N	N	N	150,348	1,114,425	1,205,616	1,205,616		N/A		N	Local Trans-south-Yosemite-Stanislaus County
1115	Capital	Base	Y	41041	P.10662	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-138 MP 38.58 - 43.4 ILI UPGRADE WBS	Estimation	7/16/2015	1/9/2017	2/17/2017	2/2/2017	N	Y	N	342,161	684,111	687,610	2,353,287		N/A		N	Local Trans-south-Fresno-Fresno County
1116	Capital	Base	Y	41058	31193560	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-105A MP 42.91 - 52.0 ILI UPGRADES	Construction	10/1/2015	10/1/2015	8/9/2017	8/9/2017	N	Y	N	214	289	471	2,080,535		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
1117	Capital	Base	Y	41102	74003060	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-114 L-316-2 ILI UPGRADE WBS	Construction	1/1/2016	1/1/2016	12/30/2017	12/30/2017	N	Y	N	0	2	2	435,002		Y		N	Local Trans-north-Diablo-Contra Costa County
1118	Capital	Base	Y	41335	31202238	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-128D UPGRADE L-132B MARTIN STATION	Close-Out	10/22/2015	9/27/2016	11/30/2016	12/5/2016	N	N	Y	2,373,047	2,418,704	2,420,097	2,420,097		N/A		N	Milp tas/hollister-Peninsula-San Mateo County
1119	Capital	Base	Y	41366	P.10672	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-132 ILI UPGRADE WBS I-007	Estimation	10/22/2015	2/19/2019	4/3/2019	3/19/2019	N	Y	N	20 337	90 123	90 123	1 856 992		Y		N	Milpitas/hollister-Peninsula-San Mateo County
1120	Capital	Base	Y	41403	31205560	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-104J 177A ILI UPGR 189 REPL 0.89-1.03	Close-Out	11/1/2015	12/1/2015	11/1/2016	11/1/2016	N	N	Y	2,181	180,175	180,590	195,986		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1121	Capital	Base	Y	41459	74002405	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-352A L-307A SPRECKLES SUGAR LAUNCHER	Estimation	12/1/2015	6/5/2017	10/14/2017	8/1/2017	N	Y	N	345,703	463,042	463,282	3,582,279		N		N	Local Trans-south-Yosemite-Fresno County
1122	Capital	Base	Y	41498	P.09309	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-043 L-109 MP 0.00-43.47 ILI Upgrade WBSá	Construction	2/1/2016	12/10/2016	1/24/2017	1/12/2017	N	Y	N	68,664	96,770	100,368	1,122,188		N/A		N	Local Trans-south-De Anza-Santa Clara County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
1123	Capital	Base	Y	41511	31206169	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-109-3 MP 40.35-40.73 NT ILI-PCF INSTAL	Close-Out	12/1/2015	12/1/2015	6/1/2016	6/1/2016	N	N	N	-16,722	421,553	423,394	423,394		Y		N	Systemwide-Systemwide-San Mateo County
1124	Capital	Base	Y	41542	74002516	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-050A-1 & L-124B ILI UPGRADE	Construction	1/1/2016	1/1/2016	12/31/2017	12/31/2017	N	Y	N	62,326	105,129	105,129	8,808,258		Y		N	Local Trans-north-Sierra-Yuba County
1125	Capital	Base	Y	41544	74002515	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-178A L-7226-01 ILI LAUNCHER	Estimation	12/17/2015	5/22/2020	7/6/2020	6/20/2020	N	Y	N	97 045	174 053	174 053	4 000 910		Y		N	Local Trans-south-Yosemite-Stanislaus County
1126	Capital	Base	Y	41546	74002514	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-179 L-118A ILI UPGRADE	Engineering/Permitting	12/17/2015	8/28/2020	10/12/2020	9/26/2020	N	Y	N	7,448	51,994	51,994	64,176		N		N	Local Trans-south-Yosemite-Fresno County
1127	Capital	Base	Y	41547	74002513	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-180A L-123 MP 13.74 LAUNCHER	Construction	2/1/2016	2/1/2016	7/28/2020	7/28/2020	N	Y	N	19,634	68,922	68,922	6,472,597		Y		N	Local Trans-north-Sacramento-Placer County
1128	Capital	Base	Y	41548	74002512	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-181A DFM0405-01 LAUNCHER MP 0.00	Engineering/Permitting	12/17/2015	2/28/2020	4/13/2020	3/28/2020	N	Y	N	63,007	127,391	127,391	13,090,382		Y		N	Local Trans-north-North Bay-san Rafael-Napa County
1129	Capital	Base	Y	41549	74002511	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-121 ILI UPGRADE	Construction	2/1/2016	2/1/2016	12/31/2017	12/31/2017	N	Y	N	115 762	231 237	231 237	8 803 397		Y		N	Local Trans-north-North Valley-Sutter County
1130	Capital	Base	Y	41550	74002510	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-103 ILI UPGRADE	Construction	1/1/2016	1/1/2016	2/28/2020	2/28/2020	N	Y	N	5,414	53,436	53,436	8,713,991		Y		N	Local Trans-south-Central Coast-San Benito County
1131	Capital	Base	Y	41551	74002509	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-184A L-177A/B GERBER COMP STA LAUNCHER	Construction	1/1/2016	1/1/2016	12/31/2017	12/31/2017	N	Y	N	149,735	235,874	235,874	6,984,581		N		N	Local Trans-north-North Valley-Butte County
1132	Capital	Base	Y	41552	74002508	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-185A L-167 LAUNCHER ILI UPGRADE	Engineering/Permitting	12/17/2015	2/6/2018	3/22/2018	3/7/2018	N	Y	N	262,582	345,663	345,663	9,682,869		Y		N	Local Trans-north-North Valley-Glenn County
1133	Capital	Base	Y	41553	74002507	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-301A ILI UPGRADE	Construction	1/1/2016	1/1/2016	12/31/2017	12/31/2017	N	Y	N	101 812	131 588	131 588	8 820 589		Y		N	Local Trans-south-Central Coast-Santa Cruz County
1134	Capital	Base	Y	41554	74002506	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-1816-20 ILI UPGRADE	Engineering/Permitting	12/17/2015	7/17/2017	9/19/2017	9/2/2017	N	Y	N	3,367	22,390	22,390	8,533,599		Y		N	Local Trans-south-Central Coast-Santa Cruz County
1135	Capital	Base	Y	41555	74002505	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-188 L-0611-01 ILI UPGRADE	Engineering/Permitting	12/17/2015	7/17/2017	9/19/2017	9/2/2017	N	Y	N	37,969	88,487	88,487	11,030,707		Y		N	Local Trans-north-Sacramento-Sacramento County
1136	Capital	Base	Y	41556	74002504	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-301G ILI UPGRADE	Construction	1/1/2016	1/1/2016	2/28/2019	2/28/2019	N	Y	N	92,460	128,131	128,131	8,635,439		Y		N	Local Trans-south-Central Coast-San Benito County
1137	Capital	Base	Y	41557	74002503	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-190 L-220 <(>&<)> L-119A ILI UPGRADE	Construction	2/1/2016	2/1/2016	8/28/2021	8/28/2021	N	Y	N	127,051	177,886	177,886	14,188,809		Y		N	Local Trans-north-Sacramento-Solano County
1138	Capital	Base	Y	41559	74002329	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-191 L-172A ILI UPGRADE	Construction	2/1/2016	2/1/2016	5/28/2021	5/28/2021	N	Y	N	21,210	86,702	86,702	14,091,601		N		N	Local Trans-north-Sacramento-Sacramento County
1139	Capital	Base	Y	41560	74002330	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-192 L-191-1 ILI UPGRADE	Construction	2/1/2016	2/1/2016	7/28/2021	7/28/2021	N	Y	N	-22,095	52,136	52,136	6,668,198		Y		N	Local Trans-north-Diablo-Contra Costa County
1140	Capital	Base	Y	41561	74002331	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-193A L-0617-06 MP 5.22 LAUNCHER	Construction	2/1/2016	2/1/2016	5/28/2021	5/28/2021	N	Y	N	168,913	206,917	206,917	4,518,250		Y		N	Local Trans-north-Sacramento-Sacramento County
1141	Capital	Base	Y	41562	74002332	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-124C, L-202, L1521-01 ILI UPGRADE	Construction	2/1/2016	2/1/2016	12/31/2017	12/31/2017	N	Y	N	-24,416	39,951	39,951	9,026,830		N		N	Local Trans-north-Sierra-Yuba County
1142	Capital	Base	Y	41563	74002333	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-195 L-021A, L-021C ILI UPGRADE	Engineering/Permitting	12/17/2015	2/23/2021	4/8/2021	3/24/2021	N	Y	N	96,983	145,185	145,185	13,202,831		Y		N	Local Trans-north-North Bay-san Rafael-Napa County
1143	Capital	Base	Y	41564	74002334	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-301F ILI UPGRADE	Engineering/Permitting	12/17/2015	7/17/2017	9/19/2017	9/2/2017	N	Y	N	40,794	72,878	72,878	8,577,412		N		N	Local Trans-south-Central Coast-Monterey County
1144	Capital	Base	Y	41565	74002335	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-197 L-177A ILI UPGRADE	Engineering/Permitting	12/17/2015	7/29/2017	9/19/2017	9/2/2017	N	Y	N	54,102	108,994	108,994	6,866,736		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1145	Capital	Base	Y	41566	74002336	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-1817-01 ILI UPGRADE	Engineering/Permitting	12/17/2015	7/17/2017	9/19/2017	9/2/2017	N	Y	N	134,849	235,224	235,224	8,749,439		Y		N	Local Trans-south-Central Coast-Santa Cruz County
1146	Capital	Base	Y	41567	74002337	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-199 L-126A ILI UPGRADE	Engineering/Permitting	12/17/2015	7/17/2017	9/19/2017	9/2/2017	N	Y	N	39 609	106 486	106 486	8 410 469		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1147	Capital	Base	Y	41569	74002339	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-201 L-372 & L-6603-01 ILI UPGRADE	Engineering/Permitting	12/17/2015	7/10/2019	8/23/2019	8/8/2019	N	Y	N	167,882	200,274	200,274	13,300,401		N		N	Local Trans-south-Kern-Kern County
1148	Capital	Base	Y	41571	74002500	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300A ILI UPGRADE	Construction	2/1/2016	2/1/2016	5/28/2018	5/28/2018	N	Y	N	131,100	172,258	172,258	11,122,624		N		N	Topock-San Bernardino County
1149	Capital	Base	Y	41572	74002501	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-400 ILI UPGRADE	Estimation	12/17/2015	2/24/2017	11/15/2017	10/31/2017	N	Y	N	27,539	141,687	141,687	8,639,121		Y		N	Willows-Yolo County
1150	Capital	Base	Y	41573	74002502	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-204 L-114 ILI UPGRADE	Engineering/Permitting	12/17/2015	8/4/2020	9/17/2020	9/2/2020	N	Y	N	84 038	156 671	156 671	7 044 122		Y		N	Tracy-San Joaquin County
1151	Capital	Base	Y	42105	74003004	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-300B ILI UPGRADE MP 103.51 TO 161.02	Construction	2/1/2016	2/1/2016	4/28/2018	4/28/2018	N	Y	N	115,028	137,943	137,943	11,010,390		N		N	Topock-San Bernardino County
1152	Capital	Base	Y	42283	31217646	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-048D L-132A REPLACE 99 DEG ELBOW	Close-Out	11/2/2015	6/8/2016	10/28/2016	8/3/2016	N	N	Y	978,799	1,577,966	1,577,966	1,577,966		Y		N	Local Trans-south-De Anza-Santa Clara County
1153	Capital	Base	Y	42360	P.10663	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-177A / L-189 ILI UPGRADE WBS	Engineering/Permitting	12/16/2015	5/10/2017	6/23/2017	6/8/2017	N	Y	N	84,262	187,387	187,387	1,997,982		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1154	Capital	Base	Y	42427	31223532	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM 1202-16 ILI UPGRADE MP 3.34-4.24	Close-Out	1/4/2016	3/13/2016	5/12/2016	6/16/2016	N	N	N	19 636	1 642 969	1 642 969	1 642 969		Y		N	Local Trans-south-Fresno-Fresno County
1155	Capital	Base	Y	42436	74004034	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-124A ILI UPGRADES 2016	Close-Out	3/10/2016	4/4/2016	11/4/2016	7/6/2016	N	N	Y	131,843	1,065,132	1,065,132	1,065,132		Y		N	Systemwide-Systemwide-Placer County
1156	Capital	Base	Y	42753	74004782	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-400 ILI UPGRADE RECEIVER	Construction	4/20/2016	5/1/2016	12/31/2017	12/31/2017	N	Y	N	20,024	20,714	20,714	8,831,539		N		N	Willows-Sacramento County
1157	Capital	Base	Y	42754	74004783	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-401 ILI UPGRADE RECEIVER	Estimation	4/13/2016	3/8/2018	4/20/2018	4/5/2018	N	Y	N	104,947	121,570	121,570	8,928,955		Y		N	Willows-Sacramento County
1158	Capital	Base	Y	42755	74004784	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-302W ILI UPGRADE LAUNCHER	Estimation	4/13/2016	5/11/2017	11/11/2017	10/27/2017	N	Y	N	6 022	6 711	6 711	8 691 280		N		N	Willows-Sacramento County
1159	Capital	Base	N	39724	31166214	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	*SGOC* RECTIFIER & DWA ANODE L131 & L107	Close-Out	8/3/2015	10/3/2016	10/19/2016	10/27/2016	N	N	Y	207,120	247,864	252,766	252,766		N		N	Milpitas/hollister-Alameda County
1160	Capital	Base	N	40775	31187401	3K	Gas Trans Remediate	3K4	AC Interf Induced Mi	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-306 AC INTERFERENCE STUDY 4 GROUND ROD	Close-Out	1/4/2016	7/28/2016	9/13/2016	8/31/2016	N	N	Y	641,492	692,579	693,072	703,072		N		N	Kettleman-San Luis Obispo County
1161	Capital	Base	N	40997	31191405	3K	Gas Trans Remediate	3K9	DC Interf-Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	SAN PABLO STATION ANODE REPLACEMENT	Close-Out	10/15/2015	10/17/2016	11/7/2016	12/16/2016	N	N	Y	226,934	271,133	291,777	293,777		Y		N	Los Medanos-East Bay-north-Contra Costa County
1162	Capital	Base	N	41203	31201124	3K	Gas Trans Remediate	3K5	Casing M tigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L402 MP 25.92 CASING REMOVAL	Close-Out	11/4/2015	10/10/2016	11/18/2016	12/13/2016	N	N	Y	706,131	722,725	726,888	786,525		Y		N	Local Trans-north-North Valley-Shasta County
1163	Capital	Base	N	41206	31200518	3K	Gas Trans Remediate	3K5	Casing M tigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L 0611-09 MP 10.91 CASING REMEDIATION	Close-Out	10/7/2015	8/23/2016	11/5/2016	10/4/2016	N	N	Y	846,679	886,840	891,931	891,931		N		N	Local Trans-north-North Coast-santa Rosa-Sacrament
1164	Capital	Base	N	41221	31200829	3K	Gas Trans Remediate	3K5	Casing M tigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	1202-06 MP 1.64 CASING REMOVAL	Estimation	9/22/2015	6/15/2017	7/26/2017	6/29/2017	N	Y	N	20,295	32,574	33,362	542,115		N		N	Kettleman-Fresno-Fresno County
1165	Capital	Base	N	41222	31200830	3K	Gas Trans Remediate	3K5	Casing M tigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	1202-09 MP 2.995 CASING REMOVAL	Estimation	9/22/2015	6/16/2017	7/27/2017	6/30/2017	N	Y	N	21,126	34,593	35,381	545,852		N		N	Kettleman-Fresno-Fresno County
1166	Capital	Base	N	41237	31200950	3K	Gas Trans Remediate	3K5	Casing M tigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L0814-04 MP 0.33 CASING REMEDIATION	Estimation	11/18/2015	5/1/2017	6/10/2017	5/15/2017	N	Y	N	4,613	17,786	18,791	446,506		N		N	Milpitas/hollister-San Jose-Santa Clara County
1167	Capital	Base	N	41269	31202057	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L 1202-14 MP 0.01 CASING REMOVAL	Engineering/Permitting	12/8/2015	1/17/2017	2/25/2017	1/31/2017	N	Y	N	25,653	33,737	35,584	529,268		N		N	Kettleman-Fresno-Fresno County
1168	Capital	Base	N	41278	31202102	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L118B MP 28.86 CASING REMOVAL	Engineering/Permitting	12/8/2015	5/3/2017	6/13/2017	5/17/2017	N	Y	N	20,378	31,961	32,952	531,540		Y		N	Tracy-Yosemite-merced-Madera County
1169	Capital	Base	N	41280	31202104	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-7228-01 MP 5.64 CASING REMOVAL	Estimation	9/22/2015	3/1/2017	4/10/2017	3/15/2017	N	Y	N	7,495	21,712	24,739	466,057		N		N	Tracy-Yosemite-modesto-Stanislaus County
1170	Capital	Base	N	41284	31202106	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-100 MP 144.70 CASING REMEDIATION	Close-Out	10/29/2015	8/15/2016	9/28/2016	9/14/2016	N	N	Y	503,618	531,677	532,282	532,282		Y		N	Milpitas/hollister-San Jose-Santa Clara County
1171	Capital	Base	N	41285	31201137	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER NEXT GENERATION LINEAR R	L-1027-01 MP 0.091 CASING REMOVAL	Engineering/Permitting	10/27/2015	5/1/2017	6/10/2017	5/15/2017	N	Y	N	4 684	8 672	8 672	461 465		N		N	Local Trans-north-North Valley-Butte County
1172	Capital	Base	N	41359	31202454	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L101 MP 3.09	Close-Out	12/1/2015	12/1/2015	8/3/2016	8/3/2016	N	N	Y	331,674	349,944	350,701	350,701		Y		N	Milpitas/hollister-De Anza-Santa Clara County
1173	Capital	Base	N	41360	31202455	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L 109 MP 3.3 CASING REMEDIATION	Close-Out	12/8/2015	7/11/2016	8/20/2016	9/26/2016	N	N	Y	671,808	687,151	687,908	687,908		Y		N	Milpitas/hollister-De Anza-Santa Clara County
1174	Capital	Base	N	41371	31202450	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L101 MP 35.48 CASING REMEDIATION	Construction	12/8/2015	12/14/2016	1/25/2017	12/28/2016	N	Y	N	576,979	612,928	613,170	613,170		Y		N	Local Trans-south-San Francisco-San Mateo County
1175	Capital	Base	N	41474	31206176	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER NEXT GENERATION LINEAR R	7220-01 MP 8.12 CASING REMEDIATION	Engineering/Permitting	2/2/2016	3/8/2017	4/17/2017	3/22/2017	N	Y	N	21 954	33 669	33 907	848 920		N		N	Local Trans-south-Yosemite-Merced County
1176	Capital	Base	N	41486	31209331	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM 0614-13 NEW RECTIFIER/ANODE SHALLOW	Close-Out	1/11/2016	11/14/2016	11/29/2016	12/12/2016	N	N	Y	220,996	235,922	235,922	385,922		N		N	Local Trans-north-Sacramento-Sacramento County
1177	Capital	Base	N	41525	31209047	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	2016 CTS W/PLCLM - L300N	Engineering/Permitting	12/7/2015	1/31/2017	2/3/2017	2/2/2017	N	Y	N	10,024	22,605	22,605	736,605				N	Systemwide-Systemwide-Santa Clara County
1178	Capital	Base	N	41527	31209049	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	2016 CTS W/PLCLM - HOLLISTER	Construction	12/7/2015	10/27/2016	2/1/2017	2/1/2017	N	Y	N	-66,587	19,377	19,377	1,044,525				N	Systemwide-Systemwide-San Benito County
1179	Capital	Base	N	41529	31209051	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER NEXT GENERATION LINEAR R	2016 CTS W/PLCLM - HUMBOLT	Engineering/Permitting	12/7/2015	4/3/2017	4/15/2017	4/24/2017	N	Y	N	12 365	53 028	53 028	347 028				N	Systemwide-Systemwide-Humboldt County
1180	Capital	Base	N	41531	31209053	3K	Gas Trans Remediate	3K8	Coupon Test Station	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	2016 CTS W/PLCLM - SIERRA/ROSEVILLE	Construction	12/7/2015	10/27/2016	2/3/2017	2/2/2017	N	Y	N	11,971	40,270	40,270	252,270				N	Systemwide-Systemwide-Sacramento County
1181	Capital	Base	N	42107	31214800	3K	Gas Trans Remediate	3K7	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-0821-01 MP 1.96 DWA REPLACEMENT - SD	Close-Out	1/28/2016	7/1/2016	7/15/2016	9/9/2016	N	N	Y	374,492	414,608	414,608	414,608		N		N	Local Trans-south-San Jose-Santa Clara County
1182	Capital	Base	N	42165	31213106	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L210A MP 12.654 CASING REMOVAL	Engineering/Permitting	2/2/2016	3/13/2017	4/21/2017	3/27/2017	N	Y	N	20,926	38,496	38,496	495,355		Y		N	Rio Vista-Sacramento-Solano County
1183	Capital	Base	N	42166	31213107	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-138 MP 48.519 CASING REMOVAL	Engineering/Permitting	1/8/2016	3/15/2017	4/24/2017	3/29/2017	N	Y	N	28,818	34,176	34,176	562,827		Y		N	Local Trans-south-Fresno-Fresno County
1184	Capital	Base	N	42309	31218246	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	DFM 0611-18 MP 1.29 CASING REMOVAL	Estimation	9/3/2014	2/13/2017	3/24/2017	2/27/2017	N	Y	N	16,058	39,206	39,206	1,005,225		N		N	Local Trans-north-Sacramento-Sacramento County
1185	Capital	Base	N	42402	31223104	3K	Gas Trans Remediate	3K7	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-300A MP 440.56 DWA INSTALL	Close-Out	2/26/2016	9/26/2016	10/10/2016	12/2/2016	N	N	Y	293,146	323,808	323,808	325,808		N		N	Milpitas/hollister-Central Coast-San Benito County
1186	Capital	Base	N	42718	31229237	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	N-DWA AND RECTIFIER, 0617-14 / 0617-06	Close-Out	4/7/2016	10/31/2016	11/16/2016	12/6/2016	N	N	Y	285,684	304,556	304,556	306,556		Y		N	Local Trans-north-Sacramento-Sacramento County
1187	Capital	Base	N	42826	31237356	3K	Gas Trans Remediate	3K7	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	XD-DWA AND RECTIFIER 002 MP 132.79	Close-Out	5/10/2016	11/28/2016	12/9/2016	12/22/2016	N	N	Y	252,731	260,197	260,197	351,197		N		N	Tracy-Stockton-San Joaquin County
1188	Capital	Base	N	42894	31256146	3K	Gas Trans Remediate	3K7	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L119A YOLO CAUSEWAY CP UPGRADES	Close-Out	8/25/2016	10/24/2016	10/31/2016	10/31/2016	Y	N	Y	231,645	231,645	231,645	262,095		N		N	Local Trans-north-Sacramento-Yolo County
1189	Capital	Base	N	43162	31256144	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-132 MP 24.19 - NEW ND-DWA	Close-Out	7/28/2016	12/5/2016	12/22/2016	1/5/2017	Y	N	Y	237,218	237,218	237,218	443,633		Y		N	Local Trans-south-Peninsula-San Mateo County
1190	Capital	Base	N	43163	31256148	3K	Gas Trans Remediate	3K6	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	L-132 MP 18.49 - NEW ND-DWA	Close-Out	7/28/2016	12/5/2016	12/22/2016	1/5/2017	Y	N	Y	169,841	169,841	169,841	376,249		Y		N	Local Trans-south-Peninsula-San Mateo County
1191	Capital	Base	N	43568	31265120	3K	Gas Trans Remediate	3K7	Cathodic Protection-	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	TRANSMISSION RMU INSTALL-SAN BERNADINO	Construction	8/1/2016	8/1/2016	12/31/2017	12/31/2017	Y	N	N	262,202	262,202	262,202	262,202				N	Topock-Kern-San Bernardino County
1192	Capital	Base	N	44638	31285171	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	EC15-400-2 DIGS CAPITAL	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	2,260,616	2,260,616	2,260,616	2,260,616		Y		N	Systemwide-Systemwide-Contra Costa County
1193	Capital	Base	N	44639	31285170	3K	Gas Trans Remediate	3K5	Casing Mitigation	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	EC15-107 CAPITAL	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	827,810	827,810	827,810	827,810		Y		N	Systemwide-Systemwide-Alameda County
1194	Capital	Base	N	31235	74008396	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	LOS MEDANOS REWORK WELL 16D (2017)	Construction	10/14/2016	12/1/2016	12/15/2017	12/15/2017	Y	N	N	424	424	424	1,059,314		N		N	Los Medanos-Diablo-Contra Costa County
1195	Capital	Base	N	39053	31180267	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	REPLACE REWORK EQUIPMENT	Construction	1/12/2016	12/19/2016	12/22/2016	12/22/2016	N	N	Y	1,951,570	1,951,570	1,951,570	2,151,570				N	Mcdonald Island-San Joaquin County
1196	Capital	Base	N	39065	74008397	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER NEXT GENERATION LINEAR R	LOS MEDANOS REWORK WELL 2 (2017)	Engineering/Permitting	10/14/2016	10/14/2016	12/15/2017	12/15/2017	Y	N	N	240	240	240	1 720 140		N		N	Los Medanos-Diablo-Contra Costa County
1197	Capital	Base	N	39067	74008398	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL 1 (2017)	Engineering/Permitting	10/14/2016	10/14/2016	12/15/2017	12/15/2017	Y	N	N	240	240	240	1,720,140		Y		N	Mcdonald Island-Stockton-San Joaquin County
1198	Capital	Base	N	39068	74008399	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL 2 (2017)	Engineering/Permitting	10/14/2016	10/14/2016	12/15/2017	12/15/2017	Y	N	N	288	288	288	1,720,188		Y		N	Mcdonald Island-Stockton-San Joaquin County
1199	Capital	Base	N	39070	74008480	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	MCD ISL REWORK WELL 3 (2017)	Engineering/Permitting	12/1/2016	12/1/2016	12/15/2017	12/15/2017	Y	N	N	384	384	384	1,720,284		Y		N	Mcdonald Island-Stockton-San Joaquin County
1200	Capital	Base	N	39071	74008481	3L	Gas Trans Storage We	3L3	Storage Well Rework	5746086-7079489-MARINER NEXT GENERATION LINEAR R	MCD ISL REWORK WELL 4 (2017)	Engineering/Permitting	10/14/2016	10/14/2016	12/15/2017	12/15/2017	Y	N	N	288	288	288	1 720 188		Y		N	Mcdonald Island-Stockton-San Joaquin County
1201	Capital	Base	N	42550	74004227	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	PLEASANT CREEK REPLACE TANKS	Engineering/Permitting	3/1/2016	3/28/2017	6/23/2017	5/24/2017	N	Y	N	184,061	207,835	207,835	858,116		N		N	Los Medanos-Sac-vacadixon-Sacramento County
1202	Capital	Base	N	44069	31273299	3L	Gas Trans Storage We	3L4	Storage Other	5746086-7079489-MARINER_NEXT GENERATION LINEAR R	2016 GILL RANCH CAPITAL	Construction	9/28/2016	10/1/2016	12/31/2017	12/31/2017	Y	N	N	409,212	409,212	409,212	409,212		N		N	Kettleman-Fresno County
1203	Capital	Base	N	41019	74008393	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	0821-02 8807-01 CROSSTIE CAPACITY	Engineering/Permitting	11/1/2016	11/1/2016	12/31/2020	12/31/2020	Y	N	N	161	161	161	51,250,161		Y		N	Local Trans-south-De Anza-Santa Clara County
1204	Capital	Base	N	44620	31284013	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	CAPACITY PIPE INSTALL DIST REG STA	Construction	11/1/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	3 217 422	3 217 422	3 217 422	3 217 422		N/A		N	Systemwide-Systemwide-Multiple Counties
1205	Capital	Base	N	719019	74004460	73	GT Pipeline Capacity	73A	Capacity and NOP	5501686-CAPACITY ENGR PERM AND PROCURE 13	R300E L-407 BASELINE RD STATION PH1 EAST	Engineering/Permitting	4/1/2016	4/1/2016	1/28/2017	1/28/2017	N	N	N	328,168	328,168	328,168	328,168		N		N	Systemwide-Systemwide-Sierra County
1206	Capital	Base	N	27874	30940446	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	3015-01 MP 0.97 ABANDON H-01	Construction	6/1/2013	6/1/2013	6/30/2017	6/30/2017	N	Y	N	23	45	614	367,290		N		N	Local Trans-north-Diablo-Contra Costa County
1207	Capital	Base	N	31880	31060776	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	1213-01 MP 3.37 REPLC FIRE VALVE	Close-Out	3/1/2014	9/21/2014	10/1/2014	10/27/2014	N	N	N	4,845	4,845	253,497	253,497		N		N	Local Trans-south-Fresno-Fresno County
1208	Capital	Base	N	33184	74006206	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	2405-01 REPLACE 4-IN VALVE E96	Close-Out	3/15/2016	10/31/2016	11/12/2016	12/29/2016	N	N	Y	416,099	416,099	416,099	426,046		Y		N	Local Trans-north-Mission-Alameda County
1209	Capital	Base	N	35885	31102698	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 60.45-66.143 T-1035 CAPITAL	Close-Out	9/1/2014	9/1/2014	10/24/2016	10/24/2016	N	N	Y	510,339	512,220	526,673	526,673		N		N	Local Trans-south-Yosemite-Merced County
1210	Capital	Base	N	35887	31102861	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM 0609-02 MP 0.00-1.604 T-1025 CAPITAL	Close-Out	9/1/2014	9/1/2014	9/30/2016	9/30/2016	N	N	Y	262,720	263,248	263,608	263,608		Y		N	Local Trans-north-Sacramento-Stanislaus County
1211	Capital	Base	N	35924	31101850	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-021H MP 9.08-12.05 T-1027 CAPITAL	Close-Out	9/1/2015	9/1/2015	10/17/2016	10/17/2016	N	N	Y	869,311	879,422	879,741	879,741		N		N	Local Trans-north-North Bay-vallejo/napa-Solano Co
1212	Capital	Base	N	36979	31120102	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-118A MP 20.6787-28.59 T-1030 CAPITAL	Close-Out	12/1/2014	12/1/2014	9/29/2016	9/29/2016	N	N	Y	628,626	636,021	704,121	704,121		N		N	Local Trans-south-Yosemite-Merced County
1213	Capital	Base	N	37013	31120708	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM-1813-02 MP 2.90-7.56 T-1051 CAPITAL	Construction	12/1/2014	12/1/2014	12/28/2017	12/28/2017	N	Y	N	2,771	4,858	5,001	745,001		Y		N	Local Trans-south-Fresno-Monterey County
1214	Capital	Base	N	37058	31138824	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	GOSFORD REG STATION - CLASS1 DIV2 ISSUE	Construction	2/1/2015	12/16/2016	1/17/2017	1/17/2017	N	Y	N	58,059	74,718	105,917	547,406		N		N	Local Trans-south-Kern-bakersfield-Kern County
1215	Capital	Base	N	38868	31152667	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	TOPOCK FLOW METERS	Engineering/Permitting	8/31/2016	9/1/2017	11/29/2017	10/27/2017	Y	Y	N	27,304	56,323	256,871	530,444		Y		N	Topock-Kern-San Bernardino County
1216	Capital	Base	N	40447	31179853	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-588 1816-05 MP 0.08 MAOP VALIDATION	Estimation	8/28/2015	9/1/2015	12/28/2017	12/28/2017	N	Y	N	297,826	323,158	400,957	414,862		N		N	Local Trans-south-Central Coast-Santa Cruz County
1217	Capital	Base	N	40854	31208762	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	NSUGH INOP V-AF,V-AE,V-A & V-B REPLACE	Close-Out	1/25/2016	8/15/2016	12/10/2016	12/1/2016	N	N	Y	1,130,483	1,183,993	1,183,993	1,193,993		Y		N	Local Trans-north-Sacramento-Sacramento County
1218	Capital	Base	N	40883	31191015	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	TRACY REG STATION INSTALL SULFUR 2016	Construction	1/14/2016	11/15/2016	5/30/2017	4/28/2017	N	Y	N	162,515	193,418	193,418	352,744		Y		N	Tracy-San Joaquin County
1219	Capital	Base	N	40892	31187248	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO MONITOR VALVE RETROFIT HEALY	Close-Out	4/5/2016	11/28/2016	12/30/2016	12/14/2016	N	N	Y	910,134	986,214	986,214	1,286,109		Y		N	Local Trans-south-Peninsula-San Francisco County
1220	Capital	Base	N	40893	31187249	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM, CORROSION ENGINEERING	VALVE AUTO MONITOR VALVE RETROFIT MILPIT	Engineering/Permitting	4/5/2016	5/13/2017	7/12/2017	6/24/2017	N	Y	N	91,907	156,508	156,508	1,136,524		Y		N	Systemwide-Systemwide-Santa Clara County
1221	Capital	Base	N	40894	31187250	75	GT Pipeline Reliabil	75I	Valve Automation	5510459-GSM CORROSION ENGINEERING	VALVE AUTO MONITOR VALVE RETROFIT SIERRA	Engineering/Permitting	4/5/2016	3/4/2017	5/1/2017	4/14/2017	N	Y	N	127 274	171 601	171 601	1 641 568		Y		N	Systemwide-Systemwide-Santa Clara County
1222	Capital	Base	N	40934	31208760	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0607-01 MP 2.85 RPLC INOP V-A47	Close-Out	1/25/2016	8/8/2016	9/13/2016	8/25/2016	N	N	Y	996,771	1,061,281	1,061,281	1,071,281		Y		N	Local Trans-north-Sacramento-Sacramento County
1223	Capital	Base	N	41013	74008499	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	1601-09 MP0.53-0.86 RETIRE 6INCH	Engineering/Permitting	11/1/2016	11/1/2016	1/28/2019	1/28/2019	Y	N	N	161	161	161	550,161		N		N	Local Trans-north-Stockton-San Joaquin County
1224	Capital	Base	N	41277	31199301	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-136 MP 5.87-12.79 T-1052 CAPITAL	Close-Out	11/1/2015	11/1/2015	10/12/2016	10/12/2016	N	N	Y	1,522,214	1,524,334	1,524,454	1,552,309		N		N	Local Trans-north-North Valley-Butte County

Table 3-1
GT CAPITAL AND EXPENSE(a)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?(b)	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
1225	Capital	Base	N	41351	74002403	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-402 MP 27.41-38.15 T-1108 CAPITAL	Close-Out	1/1/2016	1/1/2016	8/1/2016	8/1/2016	N	N	Y	2,922,670	2,981,380	2,981,380	3,076,380		N		N	Local Trans-north-North Valley-Shasta County
1226	Capital	Base	N	41491	74003182	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	TIMBER REG STATION FILTER REPLACEMENT	Close-Out	4/4/2016	9/29/2016	9/29/2016	9/30/2016	N	N	Y	132,795	166,224	166,224	571,358		Y		N	Local Trans-north-Mission-Alameda County
1227	Capital	Base	N	42059	74008485	75	GT Pipeline Reliabil	75T		5510459-GSM CORROSION ENGINEERING	400 147.85 EXPOSED PIPE	Engineering/Permitting	12/1/2016	12/1/2016	9/1/2018	9/1/2018	Y	N	N	1 766	1 766	1 766	1 101 766		N		N	Willows-Sierra-Tehama County
1228	Capital	Base	N	42114	31212482	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-730 L-021G MP 10.41-10.47 REPLACE	Engineering/Permitting	2/9/2016	7/10/2017	8/14/2017	8/4/2017	N	Y	N	39,337	121,782	121,782	2,210,212		Y		N	Local Trans-north-North Bay-san Rafael-Sonoma Coun
1229	Capital	Base	N	42115	31212483	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-731 DFDS3543 MP 0.00-0.003 REPLACE	Engineering/Permitting	2/9/2016	7/10/2017	8/16/2017	8/4/2017	N	Y	N	73,939	143,002	143,002	2,208,384		Y		N	Local Trans-north-North Bay-san Rafael-Sonoma Coun
1230	Capital	Base	N	42116	31212484	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-732 DREG3867 MP 0.00-0.03 REPLACE	Engineering/Permitting	2/9/2016	7/10/2017	8/16/2017	8/4/2017	N	Y	N	95,421	164,327	164,327	2,256,270		Y		N	Local Trans-north-North Bay-san Rafael-Sonoma Coun
1231	Capital	Base	N	42118	31212486	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	RT-727 DFM-1220-01 MP 0.57-0.86 REPLACE	Close-Out	2/9/2016	10/24/2016	11/11/2016	11/7/2016	N	N	Y	745 513	818 166	818 166	942 428		Y		N	Local Trans-south-Fresno-Fresno County
1232	Capital	Base	N	42121	31212487	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-745 GCUST5919 MP 0.117-0.158 REPL	Construction	2/9/2016	12/19/2016	1/21/2017	1/12/2017	N	Y	N	159,953	223,464	223,464	731,368		Y		N	Local Trans-south-Yosemite-Stanislaus County
1233	Capital	Base	N	42123	31211758	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-724 L-105B MP 0.00-0.015 REPLACE	Engineering/Permitting	2/9/2016	6/9/2017	7/6/2017	6/23/2017	N	Y	N	59,215	128,426	128,426	1,223,357		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
1234	Capital	Base	N	42124	31211759	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-723 DFM-0107-01 MP 0.017-0.024 REPLAC	Engineering/Permitting	2/9/2016	1/9/2017	2/14/2017	2/4/2017	N	Y	N	79,671	122,464	122,464	1,533,656		Y		N	Local Trans-north-East Bay-north-Alameda County
1235	Capital	Base	N	42150	31215586	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	L-300A MP 0.64-1.965 T-1061 CAPITAL	Close-Out	2/1/2016	2/1/2016	10/2/2016	10/2/2016	N	N	Y	272 106	273 613	273 613	283 613		N		N	Local Trans-Systemwide-San Bernardino County
1236	Capital	Base	N	42186	31215006	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-722 DREG5642 MP 172.4 REPLACE	Engineering/Permitting	2/9/2016	7/10/2017	8/28/2017	9/1/2017	N	Y	N	87,723	133,710	133,710	1,571,052		Y		N	Local Trans-north-Diablo-Contra Costa County
1237	Capital	Base	N	42188	31215008	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-742 GCUST5969 MP 0.18-0.22 REPL	Engineering/Permitting	2/9/2016	6/1/2017	7/7/2017	6/27/2017	N	Y	N	73,391	112,011	112,011	756,931		Y		N	Local Trans-north-Stockton-San Joaquin County
1238	Capital	Base	N	42189	31215009	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-728 GCUST5802 MP 0.00-0.01 REPLACE	Construction	3/1/2016	3/1/2016	3/2/2017	3/2/2017	N	Y	N	5,140	43,265	43,265	1,138,423		Y		N	Local Trans-south-Fresno-Fresno County
1239	Capital	Base	N	42209	74003180	75	GT Pipeline Reliabil	75C	Regulator Stations	5501688-GSM REG STATIONS	ANTIOCH TERMINAL REPLACE MONITOR V-158	Engineering/Permitting	1/4/2016	6/7/2017	8/31/2017	8/2/2017	N	Y	N	259,326	317,705	317,705	392,695		Y		N	Los Medanos-Diablo-Contra Costa County
1240	Capital	Base	N	42212	31216290	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-131 0.25 MI 35.29 - 35.94 REPLACE	Close-Out	8/7/2013	6/13/2016	10/29/2016	9/19/2016	N	N	Y	2,185,093	2,187,220	2,187,220	2,280,220		Y		N	Tracy-Mission-Alameda County
1241	Capital	Base	N	42251	31220786	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-747 SAN LORENZO STATION RETIRE	Close-Out	2/24/2016	6/27/2016	7/29/2016	8/3/2016	N	N	Y	347,548	507,503	507,503	544,001		Y		N	Local Trans-north-Mission-Alameda County
1242	Capital	Base	N	42321	31180330	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-648 181A MP 20.01 FRONT ST REPLACE	Engineering/Permitting	8/5/2015	3/20/2017	4/17/2017	4/1/2017	N	Y	N	14,853	109,608	131,605	1,021,268		Y		N	Local Trans-south-Central Coast-Santa Cruz County
1243	Capital	Base	N	42330	31220790	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-753 1816-50 MP 0.00-1.12 REPLACE	Engineering/Permitting	2/26/2016	5/15/2017	6/13/2017	6/3/2017	N	Y	N	129,851	218,854	218,854	1,862,911		Y		N	Local Trans-south-Central Coast-Santa Cruz County
1244	Capital	Base	N	42331	31220791	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-754 L-114 MP 34.06-34.07 REPLACE	Engineering/Permitting	2/26/2016	6/19/2017	7/25/2017	7/15/2017	N	Y	N	121,225	218,982	218,982	827,707		Y		N	Local Trans-north-Mission-Alameda County
1245	Capital	Base	N	42451	74004080	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG3832 MP 0.001 REPLACE INOP VALVE 1	Close-Out	4/4/2016	6/22/2016	7/15/2016	7/13/2016	N	N	Y	424,522	624,018	624,018	634,018		Y		N	Local Trans-north-North Coast-eureka-Contra Costa
1246	Capital	Base	N	42545	74004221	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-767 DFM 0621-01 MP 0.30-0.47 REPL	Engineering/Permitting	3/1/2016	3/11/2017	5/1/2017	4/7/2017	N	Y	N	193,431	201,529	201,529	2,956,381		N		N	Local Trans-north-Sacramento-Yolo County
1247	Capital	Base	N	42581	31230053	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-788 DFM-1813-02 MP 12.500-12.519 REPL	Engineering/Permitting	4/13/2016	1/18/2019	2/14/2019	2/2/2019	N	Y	N	12,016	13,601	13,601	746,421		Y		N	Local Trans-south-Central Coast-Monterey County
1248	Capital	Base	N	42597	31230052	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	RT-787 DREG5091 MP 0-0.01 REPLACE	Engineering/Permitting	4/13/2016	5/18/2019	6/14/2019	6/3/2019	N	Y	N	8 619	9 661	9 661	743 963		Y		N	Local Trans-south-Central Coast-Monterey County
1249	Capital	Base	N	42602	31230058	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-806 DCUST2615 MP 0.00-0.031 REPLACE	Engineering/Permitting	4/13/2016	2/15/2020	3/14/2020	3/3/2020	N	Y	N	16,760	17,283	17,283	662,803		N		N	Local Trans-south-Yosemite-Madera County
1250	Capital	Base	N	42654	31230051	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-796 DREG4185 MP 0.0009-0.0339 REPL	Engineering/Permitting	4/13/2016	3/18/2017	4/13/2017	4/1/2017	N	Y	N	96,628	97,150	97,150	867,123		Y		N	Local Trans-south-San Jose-Santa Clara County
1251	Capital	Base	N	42679	31229759	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-738 L-121 MP 10.53 CAPITAL	Close-Out	2/9/2016	11/14/2016	12/10/2016	11/30/2016	N	N	Y	895,480	895,480	895,480	944,119		Y		N	Local Trans-north-Sierra-Sutter County
1252	Capital	Base	N	42716	31235694	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-136 GRD 1 LEAK RMV MLV 9.61	Close-Out	4/5/2016	5/1/2016	5/1/2016	10/28/2016	N	N	N	302 164	305 095	305 095	310 095		N		N	Local Trans-north-North Valley-Butte County
1253	Capital	Base	N	42794	31232762	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-821 1307-01_7.6_REMOVE NON STANDARD F	Engineering/Permitting	5/3/2016	4/17/2017	5/9/2017	4/27/2017	N	Y	N	47,585	78,714	78,714	578,715		N		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
1254	Capital	Base	N	42815	74004847	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0109-01_1.73_REPLACE FIRE VALVE FV-45	Close-Out	3/24/2016	10/30/2016	11/21/2016	11/30/2016	N	N	Y	833,876	841,816	841,816	851,818		Y		N	Local Trans-north-East Bay-south-San Mateo County
1255	Capital	Base	N	42816	74004848	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG4264_0.01_REPLACE FIRE VALVE FV-70	Close-Out	3/24/2016	9/7/2016	9/23/2016	9/19/2016	N	N	Y	620,125	626,396	626,396	636,396		Y		N	Local Trans-north-East Bay-south-Alameda County
1256	Capital	Base	N	42817	74004849	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG4279 0.01 REPLACE FIRE VALVE FV-59	Close-Out	3/24/2016	9/28/2016	11/4/2016	10/24/2016	N	N	Y	596 828	602 521	602 521	612 521		Y		N	Local Trans-north-East Bay-south-Alameda County
1257	Capital	Base	N	42818	74004850	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L314 MP 0.05 VLV 1- REPLACE	Close-Out	3/25/2016	10/5/2016	11/4/2016	10/25/2016	N	N	Y	535,729	548,220	548,220	558,220		N		N	Hinkley-Kern-Kern County
1258	Capital	Base	N	42820	74004852	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	187 MP 41.67 V-1 INOP VALVE REPLACEMENT	Close-Out	4/1/2016	9/6/2016	9/29/2016	11/9/2016	N	N	Y	462,282	477,106	477,106	487,006		N		N	Local Trans-south-Central Coast-Monterey County
1259	Capital	Base	N	42831	31233379	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DFM 0405-01 GRADE 1 LK REM VALVES	Close-Out	4/1/2016	4/1/2016	7/27/2016	7/27/2016	N	N	Y	12,845	246,865	246,865	256,865		N		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
1260	Capital	Base	N	42906	74005280	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-153 MP 25.96-26.48 REPL	Close-Out	5/9/2016	8/10/2016	11/17/2016	10/27/2016	N	N	Y	9,451,527	9,674,426	9,674,426	9,674,426		Y		N	Local Trans-north-East Bay-south-Alameda County
1261	Capital	Base	N	42926	74005860	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-109 MP 45.39-52.56 T-1141 CAPITAL	Close-Out	7/1/2016	7/1/2016	11/2/2016	11/2/2016	Y	N	Y	1,709,666	1,709,666	1,709,666	1,742,484		Y		N	Local Trans-south-San Francisco-San Mateo County
1262	Capital	Base	N	42948	74005503	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	187 MP22.58 INOP VLV REMOVAL V-2 V-A V-B	Engineering/Permitting	5/1/2016	2/1/2017	2/28/2017	2/23/2017	N	Y	N	95,374	95,760	95,760	695,733		N		N	Local Trans-south-Central Coast-Monterey County
1263	Capital	Base	N	42949	74005504	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	0214-01_0.03_REPLACE_V-437	Close-Out	5/1/2016	10/10/2016	12/12/2016	12/2/2016	N	N	Y	1,270,536	1,274,969	1,274,969	1,284,566		Y		N	Local Trans-south-Peninsula-San Mateo County
1264	Capital	Base	N	43041	74005920	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-215_MP 1.79_PIPE_REPLACEMENT	Close-Out	6/1/2016	6/1/2016	8/23/2016	8/23/2016	N	N	Y	1,322,975	1,359,298	1,359,298	1,359,298		N		N	Systemwide-Systemwide-Stanislaus County
1265	Capital	Base	N	43103	74007332	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	L-101 MP 9.56 REMOVE V1 & V2	Engineering/Permitting	8/1/2016	4/14/2017	5/5/2017	5/1/2017	Y	N	N	10,180	10,180	10,180	260,236		Y		N	Local Trans-south-De Anza-Santa Clara County
1266	Capital	Base	N	43116	74006205	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DREG3936-0.0089-0.0091_VALVE REPLACEMENT	Construction	6/1/2016	12/1/2016	1/10/2017	12/31/2016	N	N	N	112,504	112,504	112,504	462,287		N		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
1267	Capital	Base	N	43145	74006522	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DREG4497 MP 0.00-0.19 T-1146 CAPITAL	Close-Out	7/1/2016	7/1/2016	10/12/2016	10/12/2016	Y	N	Y	478,859	478,859	478,859	488,859		Y		N	Local Trans-south-Fresno-Fresno County
1268	Capital	Base	N	43194	74007327	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	RABBIT SPRINGS STATION REPL 5 INOP VALVS	Engineering/Permitting	8/1/2016	4/14/2017	5/5/2017	5/1/2017	Y	N	N	36,172	36,172	36,172	1,036,256		N		N	Hinkley-Kern-bakersfield-San Bernardino County
1269	Capital	Base	N	43402	74006841	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	021H_MP 7.9515_ MAINLINE VALVE INSTALL	Construction	8/1/2016	8/1/2016	12/31/2017	12/31/2017	Y	N	N	360,895	360,895	360,895	360,895		Y		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
1270	Capital	Base	N	43403	74006842	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DCUST2439_REPLACE V-1	Close-Out	7/1/2016	10/11/2016	11/4/2016	10/25/2016	Y	N	Y	373,921	373,921	373,921	384,086		N		N	Local Trans-south-Kern-bakersfield-San Bernardino
1271	Capital	Base	N	43404	74006843	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	DF3470_REPLACE INOP V-1	Engineering/Perm tting	8/5/2015	6/13/2017	8/26/2017	8/22/2017	N	N	N	205	205	205	250,205		N		N	Local Trans-south-Kern-Kern County
1272	Capital	Base	N	43406	74006845	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	118A_56.87-60.20_MERCED RETIREMENT	Close-Out	7/1/2016	7/1/2016	12/8/2016	12/8/2016	Y	N	Y	914,257	914,257	914,257	964,192		Y		N	Local Trans-south-Yosemite-merced-Merced County
1273	Capital	Base	N	43423	31260366	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	0408-01 MP 1.85 GRADE 1 LK REPAIR	Close-Out	8/1/2016	8/1/2016	10/12/2016	10/12/2016	Y	N	Y	438 495	438 495	438 495	443 495		N		N	Local Trans-north-North Bay-vallejo/napa-Napa Coun
1274	Capital	Base	N	43551	74007623	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-215 MP 0.278-4.89 T-1196 CAPITAL	Close-Out	9/1/2016	9/1/2016	10/4/2016	10/4/2016	Y	N	Y	727,932	727,932	727,932	750,750		N		N	Local Trans-south-Yosemite-merced-Stanislaus Count
1275	Capital	Base	N	43598	74007331	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-514 DCUST10198 GRD 2 V-1 LEAK	Engineering/Perm tting	8/1/2016	5/8/2017	5/30/2017	5/24/2017	Y	N	N	18,518	18,518	18,518	668,338		Y		N	Local Trans-south-Yosemite-modesto-Napa County
1276	Capital	Base	N	43599	74007335	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	NSUGH REPLACE INOP V-24, V-29, V-30	Engineering/Perm tting	8/1/2016	4/24/2017	5/15/2017	5/10/2017	Y	N	N	16,991	16,991	16,991	641,901		Y		N	Local Trans-north-Sacramento-Sacramento County
1277	Capital	Base	N	43600	74007333	75	GT Pipeline Reliabil	75D	Valves	5512241-G TRANS RELIABILITY - PIPELINE	V-516 BD557 REPLACE INOP V-D	Engineering/Perm tting	8/1/2016	5/4/2017	5/25/2017	5/20/2017	Y	N	N	5 211	5 211	5 211	577 645		N		N	Topock-Kern-bakersfield-San Bernardino County
1278	Capital	Base	N	43605	74007382	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-101 00.54 MILES MP 12.33-12.87	Construction	9/1/2016	9/1/2016	3/28/2018	3/28/2018	Y	N	N	2,103,924	2,103,924	2,103,924	13,409,271		Y		N	Local Trans-south-De Anza-Santa Clara County
1279	Capital	Base	N	43659	31265358	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	1816-50 MP 1.12 SC HOLDER RETIREMENT	Construction	9/1/2016	9/1/2016	12/31/2017	12/31/2017	Y	N	N	209	209	209	390,499		Y		N	Local Trans-south-Central Coast-Santa Cruz County
1280	Capital	Base	N	44034	74008024	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-878 137B 7.2 MITIGATE CROSS POUR	Engineering/Permitting	9/28/2016	2/16/2017	3/20/2017	3/8/2017	Y	N	N	35,771	35,771	35,771	636,542		Y		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1281	Capital	Base	N	44045	74008026	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM CORROSION ENGINEERING	RT-877 DFM 7224-07 MP 0.9083 <(>&<)> MP	Engineering/Permitting	9/28/2016	5/3/2017	5/30/2017	5/17/2017	Y	N	N	6 960	6 960	6 960	637 144		Y		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
1282	Capital	Base	N	44047	74008028	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-306 MP 0.00-0.05 REPLACE	Construction	10/1/2016	10/1/2016	1/28/2018	1/28/2018	Y	N	N	13,339	13,339	13,339	1,594,831		Y		N	Local Trans-south-Fresno-Kings County
1283	Capital	Base	N	44100	31275413	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-879 137C 8.32 GRD2 LK RETIRE EXISTING	Close-Out	9/28/2016	11/7/2016	12/7/2016	11/30/2016	Y	N	Y	332,854	332,854	332,854	404,678		N		N	Local Trans-north-North Coast-eureka-Humboldt Coun
1284	Capital	Base	N	44107	31276067	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-744 GCUST5917 MP 0.00 REPL	Close-Out	2/9/2016	11/14/2016	12/24/2016	12/15/2016	N	N	Y	625,009	625,009	625,009	868,284		Y		N	Local Trans-south-Yosemite-modesto-Merced County
1285	Capital	Base	N	44113	31276078	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-883 L-197C MP 22.958-23.02 REPL	Engineering/Permitting	10/1/2016	10/1/2016	12/28/2018	12/28/2018	Y	N	N	6,832	6,832	6,832	1,035,209		Y		N	Local Trans-north-Stockton-Amador County
1286	Capital	Base	N	44176	74008500	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	137C 7.41 REPLACE TEMPORARY LEAK REPAIR	Engineering/Permitting	12/1/2016	12/1/2016	12/31/2018	12/31/2018	Y	N	N	392	392	392	300,392		N		N	Systemwide-Systemwide-Humboldt County
1287	Capital	Base	N	44177	74008501	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	1614-08 MP0.565-MP0.579 PERM LEAK REPL	Engineering/Permitting	10/14/2016	10/14/2016	12/31/2018	12/31/2018	Y	N	N	161	161	161	250,161		Y		N	Systemwide-Systemwide-San Joaquin County
1288	Capital	Base	N	44179	74008503	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	300A 248.61 REPLACESPANSUPPORT	Engineering/Permitting	11/1/2016	11/1/2016	12/31/2018	12/31/2018	Y	N	N	161	161	161	250,161		N		N	Systemwide-Systemwide-Kern County
1289	Capital	Base	N	44180	74008504	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	137C 5.47 REPLACE PIPE	Engineering/Permitting	12/1/2016	12/1/2016	12/31/2018	12/31/2018	Y	N	N	469	469	469	300,469		N		N	Systemwide-Systemwide-Humboldt County
1290	Capital	Base	N	44181	74008505	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	137C 6.52 REPLACE PIPE	Engineering/Permitting	12/1/2016	12/1/2016	12/31/2018	12/31/2018	Y	N	N	546	546	546	300,546		N		N	Systemwide-Systemwide-Humboldt County
1291	Capital	Base	N	44183	74008507	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	137C 3.02 REPLACE PIPE	Engineering/Permitting	12/1/2016	12/1/2016	12/31/2018	12/31/2018	Y	N	N	385	385	385	300,385		N		N	Systemwide-Systemwide-Humboldt County
1292	Capital	Base	N	44515	31279255	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	RT-871 DFM-0613-01CUT OUT 3.85-4.20	Close-Out	9/16/2016	10/1/2016	11/15/2016	11/3/2016	Y	N	Y	751,583	751,583	751,583	774,453		Y		N	Local Trans-north-Sacramento-Sacramento County
1293	Capital	Base	N	44560	74008785	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RT-861 L-311 BD 39.19 REPAIR & RETIRE	Construction	11/1/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	212,000	212,000	212,000	257,000		N		N	Local Trans-south-Kern-San Bernardino County
1294	Capital	Base	N	44570	74008980	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-316 DOWN-RATE	Close-Out	11/1/2016	11/1/2016	12/15/2016	12/15/2016	Y	N	Y	459,545	459,545	459,545	488,088		N		N	Tracy-Contra Costa County
1295	Capital	Base	N	44571	74008981	75	GT Pipeline Reliabil	75E	Vintage pipe	5501687-GSM PIPELINE RELIABILITY/SAFETY	R-309B L-107 MP32.37-33.55 LAND	Construction	11/1/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	2,159,278	2,159,278	2,159,278	2,159,278		Y		N	Milpitas/hollister-Alameda County
1296	Capital	Base	N	44614	31284012	75	GT Pipeline Reliabil	75O	Capital Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	RELIABILITY PIPE INSTALL DIST REG STA	Construction	11/1/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	3,327,939	3,327,939	3,327,939	3,327,939				N	Systemwide-Systemwide-Multiple Counties
1297	Capital	Base	N	44656	74009282	75	GT Pipeline Reliabil	75N	Capital Strength Tes	5510459-GSM, CORROSION ENGINEERING	DFM-0833-01 MP 5.4914-5.5600 CASING REM	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	471,070	471,070	471,070	471,070		Y		N	Systemwide-Systemwide-Santa Cruz County
1298	Capital	Base	N	44742	31290742	75	GT Pipeline Reliabil	75O	Cap tal Repair	5501687-GSM PIPELINE RELIABILITY/SAFETY	L-118A MP 28.59 GRD 1 LK INSTALL PCF	Close-Out	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	265 224	265 224	265 224	275 224		N		N	Local Trans-south-Fresno-Madera County
1299	Capital	Base	N	44758	74009627	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	EC16-181 CASING REMEDIATION	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	586,581	586,581	586,581	586,581		Y		N	Local Trans-Systemwide-Santa Cruz County
1300	Capital	Base	N	44762	74009591	75	GT Pipeline Reliabil	75N	Cap tal Strength Tes	5510459-GSM, CORROSION ENGINEERING	L-021E MP 116.37 CASING REMOVAL	Engineering/Permitting	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	314,616	314,616	314,616	397,098		Y		N	Local Trans-Systemwide-Mendocino County
1301	Capital	Base	N	30226	31099160	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	SANTA ROSA CS REPLACE BLOWDOWN SILENCER	Close-Out	10/1/2015	11/7/2016	11/29/2016	12/13/2016	N	N	Y	187,407	223,864	224,161	274,161		Y		N	Local Trans-north-North Coast-santa Rosa-Sonoma Co
1302	Capital	Base	N	39505	31180146	76	GT Station Reliabili	76P		5501693-GSM L300 STATION RELIABILITY	TOPOCK-CORRECT HAZARDOUS AREA VIOLATIONS	Engineering/Perm tting	5/12/2016	6/27/2017	9/21/2017	8/22/2017	N	Y	N	24 333	29 611	33 689	273 767		Y		N	Topock-San Bernardino County
1303	Capital	Base	N	42202	74003149	76	GT Station Reliabili	76L	Storage Compressors	5512185-GT STORAGE WELL REWORK	LOS MEDANOS D PAD CABLE REPLACEMENT	Construction	1/4/2016	12/16/2016	2/15/2017	1/17/2017	N	Y	N	51,810	63,348	63,348	351,284		N		N	Los Medanos-Diablo-Contra Costa County
1304	Capital	Base	N	43637	74007383	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	S-597 MCD ISLAND STN. VALVE REPLACE	Engineering/Perm tting	7/1/2016	1/30/2017	3/14/2017	3/9/2017	Y	N	N	8,333	8,333	8,333	1,071,519		Y		N	Mcdonald Island-Stockton-Contra Costa County
1305	Capital	Base	N	43991	74009492	76	GT Station Reliabili	76N	Routine Capital Spen	5512185-GT STORAGE WELL REWORK	MCDONALD ISLAND STORAGE ACCESS ROAD	Construction	12/1/2016	12/1/2016	12/31/2018	12/31/2018	Y	N	N	338	338	338	820,338		Y		N	Mcdonald Island-Stockton-San Joaquin County
1306	Capital	Base	N	30824	31060791	84	GT Gas Gathering Sys	84D	Gas Gathering	5501683-GSM DIVESTITURE GATH	*CANC*302-069 0.00-0.15 RETIRE S SYCAMOR	Close-Out	3/1/2014	4/1/2014	9/27/2016	9/27/2016	N	N	Y	-2 108	-1 433				N/A		N	Meridian-Colusa County
1307	Capital	Base	N	38882	31155755	84	GT Gas Gathering Sys	84D	Gas Gathering	5501683-GSM, DIVESTITURE, GATH	200C10-1,200C7-3 MP 0.06-0.9 DEACTIVATE	Engineering/Perm tting	5/1/2015	5/15/2017	6/5/2017	5/25/2017	N	Y	N	80,159	163,934	244,253	284,529		N		N	Rio Vista-Sacramento County
1308	Capital	Base	N	39000	74003108	84	GT Gas Gathering Sys	84D	Gas Gathering	5501683-GSM, DIVESTITURE, GATH	I-114E 316-23_MP 0.11_RETIRE NGC-CESA 1	Engineering/Permitting	12/30/2015	3/6/2017	5/13/2017	4/28/2017	N	Y	N	15,373	51,294	51,294	751,249		N/A		N	Tracy-Diablo-Contra Costa County
1309	Capital	Base	N	41568	74002338	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-200 L-1609-01 ILI UPGRADE	Engineering/Permitting	12/17/2015	5/3/2021	6/16/2021	6/1/2021	N	Y	N	4,662	42,095	42,095	116,519		Y		N	Local Trans-north-Stockton-San Joaquin County
1310	Capital	Base	N	42152	31222538	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-050C DFM 0126-01 MP.26 INST BLOWDOWN	Close-Out	1/27/2016	7/11/2016	11/10/2016	7/28/2016	N	N	Y	1 066 335	1 159 390	1 159 390	1 209 390		Y		N	Local Trans-north-East Bay-north-Contra Costa Coun
1311	Capital	Base	N	42421	74004076	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM0617-03/06/07/08 ILI UPGRADES 2016	Engineering/Perm tting	3/1/2016	3/24/2017	5/8/2017	4/22/2017	N	N	N		5,000	5,000	5,000		Y		N	Systemwide-Systemwide-Sacramento County
1312	Capital	Base	N	42846	31235698	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5512179-GT ILI UPGRADE VALVES	L-101 MP 44.52-44.56 & 44.59-44.60 REPL	Engineering/Perm tting	5/16/2016	2/20/2017	4/8/2017	3/24/2017	N	Y	N	25,446	29,570	29,570	1,029,570		Y		N	Local Trans-south-San Francisco-San Francisco Coun
1313	Capital	Base	N	42875	74005320	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L109 MP 30.77-43.23 ILI UPGRADE	Close-Out	5/1/2016	10/31/2016	12/28/2016	12/13/2016	N	N	Y	2,010,483	2,038,676	2,038,676	2,038,676		Y		N	Local Trans-south-Peninsula-San Mateo County
1314	Capital	Base	N	42989	74005680	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	DFM 1202-16 EMERGENCY ILI CUTOUT	Close-Out	5/31/2016	6/1/2016	6/6/2016	6/6/2016	N	N	N	275,956	321,989	321,989	321,989		Y		N	Local Trans-south-Peninsula-Fresno County
1315	Capital	Base	N	43653	74007385	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-176A L-307A/B & L-134A ARBIOS BY PASS	Engineering/Permitting	12/1/2015	6/2/2017	10/14/2017	9/29/2017	N	N	N	77,555	77,555	77,555	902,205		N		N	Local Trans-south-Yosemite-Fresno County
1316	Capital	Base	N	43654	74007386	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-176B L-134A ILI UPGRADE RECEIVER	Engineering/Permitting	12/1/2015	6/2/2017	10/14/2017	9/29/2017	N	N	N	47,033	47,033	47,033	2,469,033		N		N	Local Trans-south-Yosemite-Fresno County
1317	Capital	Base	N	43668	74007544	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-178B L-7226-01 RECEIVER	Engineering/Permitting	8/30/2016	5/20/2020	7/3/2020	6/18/2020	Y	N	N	4,219	4,219	4,219	1,496,215		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
1318	Capital	Base	N	43669	74007545	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-178C L-7226-01 MP 0.00-3.86 UPGRADE	Engineering/Permitting	8/30/2016	5/22/2020	7/6/2020	6/20/2020	Y	N	N	12,017	12,017	12,017	1,004,617		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
1319	Capital	Base	N	43670	74007546	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-178D L-7226-02 MP 0.00-4.60 UPGRADE	Engineering/Permitting	8/1/2016	5/22/2020	7/6/2020	6/20/2020	Y	N	N	2,831	2,831	2,831	1,001,227		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
1320	Capital	Base	N	43671	74007547	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-178E L-7228-36 MP 0.05-2.33 UPGRADE	Engineering/Permitting	8/1/2016	5/22/2020	7/6/2020	6/20/2020	Y	N	N	2,950	2,950	2,950	1,001,346		N		N	Local Trans-south-Yosemite-modesto-Stanislaus Coun
1321	Capital	Base	N	43676	74007620	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-352B L-307A/B MP 0.00-12.05 ILI	Engineering/Permitting	12/1/2015	6/2/2017	10/14/2017	9/29/2017	N	N	N	23,930	23,930	23,930	2,801,930		N		N	Local Trans-south-Yosemite-merced-Fresno County
1322	Capital	Base	N	43677	74007621	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-352C L-307A/B MP 8.63-16.92 ILI	Engineering/Permitting	12/1/2015	6/5/2017	10/14/2017	7/8/2017	N	N	N	23,408	23,408	23,408	3,071,448		N		N	Local Trans-south-Yosemite-Fresno County
1323	Capital	Base	N	43678	74007622	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-176C L-134A MP 0.00-27.04 ILI UPGRADE	Engineering/Permitting	12/1/2015	6/2/2017	2/1/2019	9/29/2017	N	N	N	53 366	53 366	53 366	13 325 730		N		N	Local Trans-south-Yosemite-Madera County
1324	Capital	Base	N	44035	74008020	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	L-402B MP 12.99 REC LAND ACQ	Construction	9/1/2016	9/1/2016	12/31/2017	12/31/2017	Y	N	N	375,000	375,000	375,000	375,000		N		N	Local Trans-north-North Coast-ukiah-Shasta County
1325	Capital	Base	N	44161	31276925	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-127Z L-105A ILI REC - LAND ACQUIRE	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	998,878	998,878	998,878	998,878		N/A		N	Local Trans-north-East Bay-north-Alameda County
1326	Capital	Base	N	44632	31285168	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	RT-869 L-002S MP 44.80 CORROSION CUT-OUT	Engineering/Permitting	11/1/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	165,509	165,509	165,509	722,729		N		N	Local Trans-south-Yosemite-Fresno County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
1327	Capital	Base	N	44647	74009222	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-113C L-2403-12 ILI LAND ACQUISITION	Construction	11/30/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	1,439,973	1,439,973	1,439,973	1,439,973		N/A		N	Local Trans-Systemwide-Alameda County
1328	Capital	Base	N	44665	74009380	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-188 L-0611-01 ILI UPGRADE LAND	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	329,815	329,815	329,815	329,815		N/A		N	Local Trans-Systemwide-Sacramento County
1329	Capital	Base	N	44686	74009480	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-160 L-118A MP53.88-60.45 ILI UPGRADE L	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	785 774	785 774	785 774	785 774		N		N	Local Trans-south-Fresno-Fresno County
1330	Capital	Base	N	44747	74009626	98	GT Integrity Managem	98C	ILI Upgrade Pipeline	5505679-PIPELINE INTEGRITY MANAGEMENT PROGRAM	I-090 L-0126-01 MP 0.00-1.84 PIG - CAP	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	434,282	434,282	434,282	434,282		Y		N	Local Trans-south-Peninsula-Contra Costa County
1	Expense	Base	Y	25306	97001021	34	Maint Gas Trans-Subs	34A	Stan-Pac Expense	5900121-STANPAC EXPENSE	SP-3 MP 167.31-198.10 ILI RE-INSPECTION	Close-Out	4/23/2013	10/17/2013	2/10/2014	2/10/2014	N	N	N	32	31	3,620,407	3,620,407		N/A		N/A	Los Medanos-Diablo-Contra Costa County
2	Expense	Base	Y	26063	97000841	34	Maint Gas Trans-Subs	34A	Stan-Pac Expense	5900121-STANPAC EXPENSE	R-402 SP-3 MP 193.02 EXPSD CASING HWY80	Close-Out	1/1/2012	1/1/2012	6/10/2015	6/10/2015	N	N	N	46,694	81,501	258,319	653,319		N/A		N/A	Local Trans-north-East Bay-north-Contra Costa Coun
3	Expense	Base	Y	28245	97001461	34	Maint Gas Trans-Subs	34A	Stan-Pac Expense	5900121-STANPAC EXPENSE	SP4Z T-279-13 MP 8.43 TO 8.93	Close-Out	11/13/2012	3/6/2013	6/5/2013	5/1/2013	N	N	N	188	-179	1 514 577	1 514 577		N/A		N/A	Los Medanos-Diablo-Contra Costa County
4	Expense	Base	Y	31367	97001861	34	Maint Gas Trans-Subs	34A	Stan-Pac Expense	5900121-STANPAC EXPENSE	GT SP3 TEST 0.35MI MP 174.04-174.39 PH1	Close-Out	4/4/2014	8/4/2014	9/9/2014	8/29/2014	N	N	N	3,054	3,245	1,943,623	1,943,623		N/A		N/A	Local Trans-north-Diablo-Contra Costa County
5	Expense	Base	Y	19341	8088669	CM	GT Operate System	CMA	GT Operate System	5000046-GT OPERATIONAL FACILITIES	CORE LOAD FORECAST SYSTEM	Close-Out	5/1/2008	5/1/2008	1/28/2017	1/28/2017	N	Y	N	39,378	64,603	770,419	770,419		N/A		N/A	Systemwide-Systemwide
6	Expense	Base	Y	25449	P.03932	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	Backbone Paint Projects 2011-2012	Close-Out	7/1/2011	8/18/2014	10/3/2014	/ /	N	N	N	4,071	4,315	911,426	911,426		N/A		N/A	Tracy-San Joaquin County
7	Expense	Base	Y	27333	P.04199	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	GT Station Paint Projects	Close-Out	5/21/2012	10/28/2014	8/2/2016	/ /	N	N	Y	84 527	467 829	2 492 889	2 497 889		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
8	Expense	Base	Y	31901	41984467	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300A MP 463.12 SPAN SUPPORT CORROSION	Close-Out	10/1/2013	6/10/2014	6/30/2014	/ /	N	N	N	1,219	1,219	296,705	296,705		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
9	Expense	Base	Y	33032	42099273	GJ	Gas Transmission Mit	GJA	AC Interf Investigat	5236943-GT R&D	ATM. CORROSION INVESTIGATION	Close-Out	3/1/2014	3/1/2014	1/28/2017	1/28/2017	N	Y	N	16,918	387,460	3,149,108	3,149,108		N/A		N/A	Systemwide-Systemwide-Multiple Counties
10	Expense	Base	Y	33187	42099275	GJ	Gas Transmission Mit	GJJ	Low Read Investigati	5236943-GT R&D	LOW READ REMEDIATION (BACKLOG)	Close-Out	7/21/2014	10/12/2016	12/28/2016	1/24/2017	N	N	Y	631,454	963,785	2,343,217	2,343,217		N/A		N/A	Systemwide-Systemwide-Multiple Counties
11	Expense	Base	Y	33198	42091845	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 241.35 SPAN REPAIR & RECOAT	Close-Out	3/1/2014	12/18/2014	2/21/2015	/ /	N	N	N	1,324	14,503	513,114	513,114		N/A		N/A	L300-north-Kern-Kern County
12	Expense	Base	Y	33207	42092523	GJ	Gas Transmission Mit	GJJ	Low Read Investigati	5236943-GT R&D	GT PAINT L-400 MP 143.68	Close-Out	3/11/2014	12/8/2014	2/20/2015	/ /	N	N	N	248	5,144	1,346,576	1,346,576		N/A		N/A	Willows-Glenn County
13	Expense	Base	Y	33734	42132826	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	300A MP 435.04 REPLACE SUPPORT & RECOAT	Close-Out	4/29/2014	1/21/2015	5/1/2015	/ /	N	N	N	9,127	15,406	418,289	418,289		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
14	Expense	Base	Y	33746	42132828	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-002 MP 70.30 RECOAT SPAN 559,,	Close-Out	7/8/2014	10/7/2015	4/21/2016	/ /	N	N	N	-374,734	457,617	596,318	606,318		N/A		N/A	Tracy-Merced County
15	Expense	Base	Y	33934	42144678	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L002 MP137.33 RECOAT/REPAINT/REPAIR SPAN	Close-Out	7/8/2014	8/7/2015	11/12/2015	/ /	N	N	N	15,635	20,449	685,224	689,224		N/A		N/A	Tracy-San Joaquin County
16	Expense	Base	Y	33936	42134008	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP470.9 RECOAT/REPAINT/REPAIR SPAN	Close-Out	5/28/2014	12/8/2014	3/28/2015	/ /	N	N	N	9,264	9,911	309,181	309,181		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
17	Expense	Base	Y	33937	42134009	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP425.39 RECOAT/REPAINT SPAN	Close-Out	5/28/2014	11/14/2014	5/5/2015	/ /	N	N	N	3,950	8,179	459,766	459,766		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
18	Expense	Base	Y	33939	42135067	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	300B MP241.96 RECOAT/REPAINT SPAN	Close-Out	5/15/2014	1/13/2015	2/23/2015	/ /	N	N	N	857	14,469	509,250	509,250		N/A		N/A	Kettleman-Kings County
19	Expense	Base	Y	33942	42138375	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP471.11 RECOAT/REPAINT SPAN	Close-Out	5/28/2014	12/8/2014	3/28/2015	/ /	N	N	N	10,889	11,221	434,229	434,229		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
20	Expense	Base	Y	33943	42138495	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP425.55 RECOAT/REPAINT SPAN 81	Close-Out	5/28/2014	11/22/2014	5/1/2015	/ /	N	N	N	13 704	17 625	532 844	532 844		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
21	Expense	Base	Y	33944	42134251	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300A MP438.94 RECOAT/REPAINT SPAN 314	Close-Out	5/28/2014	2/5/2015	5/12/2015	/ /	N	N	N	10,372	13,046	462,321	462,321		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
22	Expense	Base	Y	33947	42134252	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP431.18 RECOAT/REPAINT SPAN	Close-Out	5/28/2014	11/14/2014	3/23/2015	/ /	N	N	N	11,791	12,863	496,555	496,555		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
23	Expense	Base	Y	33949	42134254	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP432.15 RECOAT/REPAINT/REPAIRSPAN	Close-Out	5/28/2014	11/15/2014	3/20/2015	/ /	N	N	N	8,482	8,895	489,202	489,202		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
24	Expense	Base	Y	33950	42135732	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP436.02 RECOAT/REPAINT SPAN	Close-Out	5/28/2014	11/25/2014	3/20/2015	/ /	N	N	N	2 717	2 993	437 359	437 359		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
25	Expense	Base	Y	33952	42135733	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP438.42 RECOAT/REPAINT SPAN	Close-Out	5/28/2014	12/1/2014	3/28/2015	/ /	N	N	N	16,717	17,214	435,967	435,967		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
26	Expense	Base	Y	33966	42137822	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP400.12 RECOAT/REPAINT SPAN	Close-Out	6/1/2014	2/6/2015	4/6/2015	/ /	N	N	N	-915	1,737	496,335	496,335		N/A		N/A	Kettleman-Fresno County
27	Expense	Base	Y	33971	42137825	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP227.07 RECOAT/REPAINT SPAN	Close-Out	6/1/2014	12/3/2014	2/13/2015	/ /	N	N	N	2,225	15,651	601,166	601,166		N/A		N/A	Kettleman-Kern County
28	Expense	Base	Y	33972	42137826	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP227.92 RECOAT/REPAINT SPAN	Close-Out	6/1/2014	12/3/2014	1/16/2015	/ /	N	N	N	539	13 965	380 436	380 436		N/A		N/A	Kettleman-Kern County
29	Expense	Base	Y	33975	42137827	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-301 L300A MP396.25 RECOAT/REPAINT SPAN	Close-Out	6/1/2014	2/12/2015	3/28/2015	/ /	N	N	N	539	13,965	439,765	439,765		N/A		N/A	Kettleman-Fresno County
30	Expense	Base	Y	33978	42137829	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L400 MP247.55 RECOAT/REPAINT/REPAIR SPAN	Close-Out	6/1/2014	5/11/2015	7/15/2015	/ /	N	N	N	210	2,969	545,065	545,065		N/A		N/A	Willows-Yolo County
31	Expense	Base	Y	33985	42138633	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300B MP426.8 RECOAT/REPAINT SPAN 134	Close-Out	6/27/2014	2/11/2015	5/5/2015	/ /	N	N	N	11,094	16,549	460,090	460,090		N/A		N/A	Milpitas/hollister-Central Coast-Santa Clara Count
32	Expense	Base	Y	33987	42138638	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP427.24 RECOAT/REPAINT SPAN	Close-Out	5/28/2014	2/11/2015	4/30/2015	/ /	N	N	N	8,611	12,773	441,896	441,896		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
33	Expense	Base	Y	33992	42145101	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L002 MP146.9 RECOAT/REPAINT/REPAIR SPAN	Close-Out	7/8/2014	8/5/2015	11/13/2015	/ /	N	N	N	9,727	26,319	626,391	630,391		N/A		N/A	Topock-San Joaquin County
34	Expense	Base	Y	33993	42133137	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP241.66 RECOAT/REPAINT SPAN	Close-Out	5/1/2014	12/18/2014	2/16/2015	/ /	N	N	N	1,311	14,738	473,222	473,222		N/A		N/A	Kettleman-Kern County
35	Expense	Base	Y	34262	42146292	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP467.04 RECOAT/REPAINT SPAN	Close-Out	6/27/2014	1/12/2015	3/28/2015	/ /	N	N	N	8,323	8,762	361,676	361,676		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
36	Expense	Base	Y	34264	42146294	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP422.33 RECOAT/REPAINT SPAN	Close-Out	6/27/2014	12/8/2014	4/11/2015	/ /	N	N	N	3,693	23,827	300,767	300,767		N/A		N/A	Milpitas/hollister-Central Coast-Santa Clara Count
37	Expense	Base	Y	34266	42146296	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP440.43 RECOAT/REPAINT SPAN	Close-Out	6/27/2014	12/31/2014	4/14/2015	/ /	N	N	N	8,142	13,319	447,278	447,278		N/A		N/A	Milpitas/hollister-Central Coast-Santa Clara Count
38	Expense	Base	Y	34267	42146297	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP431.80 RECOAT/REPAINT SPAN	Close-Out	6/27/2014	12/31/2014	4/13/2015	/ /	N	N	N	2,148	11,423	285,115	285,115		N/A		N/A	Milpitas/hollister-Central Coast-Santa Clara Count
39	Expense	Base	Y	34268	42146298	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP432.78 RECOAT/REPAINT SPAN	Close-Out	6/27/2014	9/14/2015	11/8/2015	/ /	N	N	N	8,556	25,021	432,052	432,052		N/A		N/A	Milpitas/hollister-Central Coast-Santa Clara Count
40	Expense	Base	Y	34270	42146360	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP344.0 RECOAT/REPAINT SPAN	Construction	7/1/2014	7/1/2014	12/28/2017	12/28/2017	N	Y	N	70	491	26,286	315,286		N/A		N/A	Kettleman-Fresno-Kings County
41	Expense	Base	Y	34465	42157413	GJ	Gas Transmission Mit	GJJ	Low Read Investigati	5236943-GT R&D	RECOAT MLV L-300B MP 71.95	Close-Out	5/1/2014	8/15/2014	10/18/2014	10/7/2014	N	N	N	70	-51	414,366	414,366		N/A		N/A	Topock-San Bernardino County
42	Expense	Base	Y	35108	42194481	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-412 L300A MP 396.48-396.5 REPAINT SPAN	Close-Out	9/1/2014	9/22/2015	12/14/2015	/ /	N	N	N	934	25,547	417,035	417,035		N/A		N/A	Kettleman-Fresno County
43	Expense	Base	Y	35109	42194482	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP 347.68 - 347.69 REPAINT SPAN	Close-Out	9/1/2014	6/18/2015	8/12/2015	/ /	N	N	N	5,443	7,101	434,401	434,401		N/A		N/A	Kettleman-Fresno-Kings County
44	Expense	Base	Y	35166	42194431	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-441 L300A MP 36.43-36.44 REPAINT SPAN	Close-Out	9/15/2014	11/9/2015	2/23/2016	/ /	N	N	N	-15,907	243,183	371,403	371,403		N/A		N/A	Topock-San Bernardino County
45	Expense	Base	Y	35167	42194432	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-442 L300A MP 36.4-36.41 REPAINT SPAN	Close-Out	9/15/2014	11/9/2015	2/23/2016	/ /	N	N	N	-11 012	222 235	363 053	363 053		N/A		N/A	Topock-San Bernardino County
46	Expense	Base	Y	35168	42194433	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-443 L300A MP 36.36-36.38 REPAINT SPAN	Close-Out	9/15/2014	11/9/2015	2/23/2016	/ /	N	N	N	-12,893	209,761	357,397	357,397		N/A		N/A	Topock-San Bernardino County
47	Expense	Base	Y	35169	42194434	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-444 L300A MP 22.13-22.14 REPAINT SPAN	Close-Out	9/15/2014	11/3/2015	12/23/2015	/ /	N	N	N	-20,248	3,390	352,525	352,525		N/A		N/A	Topock-San Bernardino County
48	Expense	Base	Y	35170	42194435	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-445 L300A MP 21.84-21.85 REPAINT SPAN	Close-Out	9/15/2014	11/3/2015	12/23/2015	/ /	N	N	N	-22,658	4,501	367,188	367,188		N/A		N/A	Topock-San Bernardino County
49	Expense	Base	Y	35175	42194598	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L186 MP 12.68 REPAINT SPAN 633	Close-Out	9/15/2014	10/1/2015	11/12/2015	/ /	N	N	N	3 307	5 612	260 309	260 309		N/A		N/A	Tracy-Fresno County
50	Expense	Base	Y	35182	42194751	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L164 MP0.57 - 0.58 REPAINT SPAN	Close-Out	9/15/2014	8/14/2015	10/6/2015	/ /	N	N	N	10,075	1,371	511,922	511,922		N/A		N/A	Tracy-Fresno County
51	Expense	Base	Y	35185	42194755	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L153 MP22.67 - 22.69 REPAINT SPAN	Estimation	9/15/2014	8/29/2017	9/29/2017	/ /	N	Y	N	33,735	68,834	89,921	270,921		N/A		N/A	Tracy-Mission-Alameda County
52	Expense	Base	Y	35189	42194790	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L118B MP2.48 REPAINT SPAN 616	Close-Out	9/15/2014	11/3/2015	12/15/2015	/ /	N	N	N	7,488	27,304	303,672	303,672		N/A		N/A	Kettleman-Yosemite-merced-Madera County
53	Expense	Base	Y	35657	42198148	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300A MP345.95 RECOAT/REPAINT SPAN 430	Close-Out	9/15/2014	6/10/2015	7/27/2015	/ /	N	N	N	7 983	9 020	356 720	356 720		N/A		N/A	Kettleman-Fresno-Kings County
54	Expense	Base	Y	35660	42198176	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300A MP346.38 RECOAT/REPAINT SPAN 278	Close-Out	9/11/2014	7/1/2015	8/7/2015	/ /	N	N	N	11,126	19,481	383,679	383,679		N/A		N/A	Kettleman-Kings County
55	Expense	Base	Y	35664	42198179	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300A MP 350.94 RECOAT/REPAINT SPAN 71	Close-Out	9/11/2014	8/28/2015	10/13/2015	/ /	N	N	N	13,054	50,911	449,396	454,396		N/A		N/A	Kettleman-Kings County
56	Expense	Base	Y	35669	42199477	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-490 L300A MP400.61-400.63 REPAINT SPAN	Close-Out	9/11/2014	9/28/2015	12/14/2015	/ /	N	N	N	3,471	28,323	410,841	410,841		N/A		N/A	Kettleman-Kings County
57	Expense	Base	Y	35672	42199656	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP227.47 TO 227.48 REPAINT SPAN	Close-Out	9/15/2014	1/5/2016	2/11/2016	/ /	N	N	N	35 199	416 021	457 083	457 083		N/A		N/A	Kettleman-Kern-Kern County
58	Expense	Base	Y	35675	42199817	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-495 L300B MP401.90-401.91 REPAINT SPAN	Close-Out	9/15/2014	11/16/2015	2/10/2016	/ /	N	N	N	-4,387	99,227	339,039	339,039		N/A		N/A	Kettleman-Fresno County
59	Expense	Base	Y	35676	42199860	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-496 L300B MP401.9011-401.9102 RPNT SPN	Close-Out	9/15/2014	9/28/2015	12/14/2015	/ /	N	N	N	-1,980	48,805	461,486	461,486		N/A		N/A	Kettleman-Fresno County
60	Expense	Base	Y	35702	42199790	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L057A-MD1 MP0.91 TO 0.91 REPAINT SPAN	Close-Out	9/11/2014	4/5/2016	4/21/2016	/ /	N	N	N	-23,090	240,172	266,032	266,032		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
61	Expense	Base	Y	35705	42194792	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	LSP4Y MP1.09 REPAINT SPAN	Close-Out	9/15/2014	6/2/2016	6/9/2016	/ /	N	N	N	230,972	341,526	368,143	373,143		N/A		N/A	Rio Vista-East Bay-north-Solano County
62	Expense	Base	Y	35711	42199780	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP425.21 TO 425.22 REPAINT SPAN	Close-Out	9/15/2014	8/24/2015	11/16/2015	/ /	N	N	N	7,113	27,759	361,188	361,188		N/A		N/A	Milpitas/hollister-San Benito County
63	Expense	Base	Y	35728	42196826	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300A MP430.69 REPAINT SPAN 82	Close-Out	9/15/2014	9/9/2015	11/7/2015	/ /	N	N	N	12,949	19,038	354,281	354,281		N/A		N/A	Milpitas/hollister-San Benito County
64	Expense	Base	Y	35729	42196827	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300A MP431.99 REPAINT SPAN 83	Close-Out	9/15/2014	9/8/2015	11/7/2015	/ /	N	N	N	4,894	-6,637	402,562	402,562		N/A		N/A	Milpitas/hollister-San Benito County
65	Expense	Base	Y	35775	42198779	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP430.72 TO 430.73 REPAINT SPAN	Close-Out	9/15/2014	9/16/2015	11/8/2015	/ /	N	N	N	9,826	19,333	404,031	404,031		N/A		N/A	Milpitas/hollister-San Benito County
66	Expense	Base	Y	35776	42198880	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-300B MP430.97 REPAINT SPAN 29	Close-Out	9/15/2014	9/12/2015	11/5/2015	/ /	N	N	N	6,690	-10,047	441,351	441,351		N/A		N/A	Milpitas/hollister-San Benito County
67	Expense	Base	Y	35793	42197400	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP1.0 TO 1.01 REPAINT SPAN	Close-Out	9/1/2014	6/11/2015	8/6/2015	/ /	N	N	N	988	10,044	478,961	478,961		N/A		N/A	Topock-San Bernardino County
68	Expense	Base	Y	35796	42197404	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP1.41 TO 1.42 REPAINT SPAN	Close-Out	9/15/2014	10/6/2015	12/15/2015	/ /	N	N	N	-19,575	-52,232	346,515	346,515		N/A		N/A	Topock-San Bernardino County
69	Expense	Base	Y	35797	42197405	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP1.52 TO 1.53 REPAINT SPAN	Close-Out	9/15/2014	10/6/2015	12/15/2015	/ /	N	N	N	-2,124	85,707	383,881	383,881		N/A		N/A	Topock-San Bernardino County
70	Expense	Base	Y	35800	42197410	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP102.82 TO 102.83 REPAINT SPAN	Close-Out	9/15/2014	12/1/2015	2/23/2016	/ /	N	N	N	-16 705	217 164	369 359	369 359		N/A		N/A	Topock-San Bernardino County
71	Expense	Base	Y	35801	42197411	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP103.26 TO 103.27 REPAINT SPAN	Close-Out	9/15/2014	12/1/2015	2/23/2016	/ /	N	N	N	-14,529	237,036	366,393	366,393		N/A		N/A	Topock-San Bernardino County
72	Expense	Base	Y	35805	42197417	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP4.33 TO 4.34 REPAINT SPAN	Close-Out	9/15/2014	10/20/2015	12/19/2015	/ /	N	N	N	-32,858	-31,374	327,661	327,661		N/A		N/A	Topock-San Bernardino County
73	Expense	Base	Y	35808	42197781	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP44.14 TO 44.14 REPAINT SPAN	Close-Out	9/15/2014	11/9/2015	2/23/2016	/ /	N	N	N	25,085	229,096	351,848	351,848		N/A		N/A	Topock-San Bernardino County
74	Expense	Base	Y	35810	42197784	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP74.38 TO 74.38 REPAINT SPAN	Close-Out	9/15/2014	1/21/2016	3/27/2016	/ /	N	N	N	-27 976	296 247	308 443	308 443		N/A		N/A	Topock-San Bernardino County
75	Expense	Base	Y	35811	42197787	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP8.27 TO 8.28 REPAINT SPAN	Close-Out	9/15/2014	10/20/2015	12/19/2015	/ /	N	N	N	-40,841	-17,405	317,476	317,476		N/A		N/A	Topock-San Bernardino County
76	Expense	Base	Y	35816	42197530	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP98.85 TO 98.86 REPAINT SPAN	Close-Out	9/15/2014	11/18/2015	1/13/2016	/ /	N	N	N	-18,527	119,246	333,338	333,338		N/A		N/A	Topock-San Bernardino County
77	Expense	Base	Y	35818	42197532	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP98.88 TO 98.89 REPAINT SPAN	Close-Out	9/15/2014	11/19/2015	1/20/2016	/ /	N	N	N	-2,949	132,224	352,844	352,844		N/A		N/A	Topock-San Bernardino County
78	Expense	Base	Y	35819	42197533	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300A MP98.94 TO 98.95 REPAINT SPAN	Close-Out	9/15/2014	11/19/2015	1/20/2016	/ /	N	N	N	-4 017	161 689	301 642	301 642		N/A		N/A	Topock-San Bernardino County
79	Expense	Base	Y	35821	42197535	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 0.0 TO 0.13 REPAINT SPAN	Close-Out	9/15/2014	10/6/2015	12/15/2015	/ /	N	N	N	17,466	62,868	277,828	277,828		N/A		N/A	Topock-San Bernardino County
80	Expense	Base	Y	35822	42197536	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 0.98 TO 0.99 REPAINT SPAN	Close-Out	9/15/2014	6/15/2015	8/11/2015	/ /	N	N	N	1,004	15,375	411,537	411,537		N/A		N/A	Topock
81	Expense	Base	Y	35828	42197805	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 19.96 TO 19.97 REPAINT SPAN	Close-Out	9/15/2014	10/27/2015	12/23/2015	/ /	N	N	N	-17,763	3,859	359,739	359,739		N/A		N/A	Topock-Kern-San Bernardino County
82	Expense	Base	Y	35829	42197807	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 2.79 TO 2.8 REPAINT SPAN	Close-Out	9/15/2014	10/6/2015	12/15/2015	/ /	N	N	N	-23,957	49,390	329,333	329,333		N/A		N/A	Topock-San Bernardino County
83	Expense	Base	Y	35832	42197810	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 20.05 TO 20.06 REPAINT SPAN	Close-Out	9/15/2014	10/27/2015	12/23/2015	/ /	N	N	N	-3,550	3,838	307,943	307,943		N/A		N/A	Topock-San Bernardino County
84	Expense	Base	Y	35833	42197811	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 3.01 TO 3.02 REPAINT SPAN	Close-Out	9/15/2014	10/20/2015	12/19/2015	/ /	N	N	N	-30,691	-11,434	257,176	257,176		N/A		N/A	Topock
85	Expense	Base	Y	35835	42197813	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 3.83 TO 3.85 REPAINT SPAN	Close-Out	9/15/2014	12/7/2015	3/29/2016	/ /	N	N	N	-29,721	182,716	306,253	306,253		N/A		N/A	Topock-San Bernardino County
86	Expense	Base	Y	35836	42197814	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 4.90 TO 4.91 REPAINT SPAN	Close-Out	9/15/2014	10/20/2015	12/19/2015	/ /	N	N	N	-26,267	-20,750	299,499	299,499		N/A		N/A	Topock-San Bernardino County
87	Expense	Base	Y	35837	42200047	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 59.82 TO MP 59.83 REPAINT SPAN	Close-Out	9/15/2014	1/8/2016	3/11/2016	/ /	N	N	N	-11,870	319,177	333,596	333,596		N/A		N/A	Topock-San Bernardino County
88	Expense	Base	Y	35840	42197818	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 60.23 TO 60.24 REPAINT SPAN	Close-Out	9/15/2014	1/14/2016	3/11/2016	/ /	N	N	N	-25,203	327,860	343,099	343,099		N/A		N/A	Topock-San Bernardino County
89	Expense	Base	Y	35841	42197819	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L300B MP 73.67 TO 73.67 REPAINT SPAN	Close-Out	9/15/2014	1/21/2016	3/3/2016	/ /	N	N	N	-31,285	272,399	285,001	285,001		N/A		N/A	Topock-San Bernardino County
90	Expense	Base	Y	35851	42197909	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L304 MP 4.82 TO 4.83 REPAINT SPAN	Close-Out	9/15/2014	12/3/2015	2/22/2016	/ /	N	N	N	7,873	393,107	496,452	501,452		N/A		N/A	Tracy
91	Expense	Base	Y	36857	42275675	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	GT L-002 MP 133.73 RECOAT	Close-Out	5/5/2014	12/8/2014	5/1/2015	/ /	N	N	N	4,529	3,741	534,914	538,914		N/A		N/A	Systemwide-Systemwide-San Joaquin County
92	Expense	Base	Y	37183	42314110	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L-002 MP 135.3 RECOAT	Close-Out	7/8/2014	7/27/2015	11/16/2015	/ /	N	N	N	4,830	3,779	541,235	541,235		N/A		N/A	Tracy-Stockton-San Joaquin County
93	Expense	Base	Y	37353	42326038	GJ	Gas Transmission Mit	GJL	Casing Mntr-w/o Faci	5236943-GT R&D	TEST CASES W/O WIRE OR VENTS	Close-Out	3/1/2015	3/1/2015	1/28/2017	1/28/2017	N	Y	N	685,492	823,818	1,474,067	1,474,067		N/A		N/A	Local Trans-Systemwide-Multiple Counties
94	Expense	Base	Y	37354	42327470	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 119B MP 3.15	Close-Out	9/3/2014	8/3/2015	9/3/2015	8/15/2015	N	N	N	4,210	-198,146	305,428	305,428		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
95	Expense	Base	Y	37361	42327927	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	CASING REMEDIATION L-119C MP 4.68	Engineering/Permitting	9/3/2014	2/21/2017	4/1/2017	3/7/2017	N	Y	N	69 120	107 966	133 355	823 123		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
96	Expense	Base	Y	37380	42329195	GJ	Gas Transmission Mit	GJK	Other-Expense	5236943-GT R&D	CORROSION SERVICES OTHER	Close-Out	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	935,075	1,271,750	1,441,689	1,441,689		N/A		N/A	Local Trans-Systemwide-Multiple Counties
97	Expense	Base	Y	37389	42327260	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	CASING REMEDIATION 1817-03 MP 3.16	Close-Out	2/7/2014	9/28/2015	10/16/2015	10/3/2015	N	N	N	-21,084	-29,059	257,081	257,081		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
98	Expense	Base	Y	37392	42327264	GJ	Gas Transmission Mit	GJK	Other-Expense	5236943-GT R&D	GAS DISTRIBUTION CORROSION SERVICES SUPP	Close-Out	1/26/2015	3/1/2015	1/28/2017	1/28/2017	N	Y	N	214,897	318,341	819,877	819,877		N/A		N/A	Local Trans-Systemwide-San Bernardino County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
99	Expense	Base	Y	37398	42328225	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	2015 CASING PREP WORK	Close-Out	3/1/2015	3/1/2015	12/28/2016	12/28/2016	N	N	Y	317,609	615,292	1,408,985	1,408,985		N/A		N/A	Local Trans-Systemwide-Multiple Counties
100	Expense	Base	Y	37399	42328226	GJ	Gas Transmission Mit	GJK	Other-Expense	5236943-GT R&D	GT LOCAL TRANS CORROSION SERVICES SUPPOR	Close-Out	3/1/2015	3/1/2015	1/28/2017	1/28/2017	N	Y	N	182,637	363,299	741,731	741,731		N/A		N/A	Local Trans-Systemwide-Multiple Counties
101	Expense	Base	Y	37408	42328237	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 7218-01 (DETAIL TBD) CASING REMEDIA	Close-Out	9/3/2014	3/1/2015	3/18/2015	2/11/2015	N	N	N	521	975	287 171	287 171		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
102	Expense	Base	Y	37411	42328300	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	0611-17_MP0.00-1.66	Close-Out	9/3/2014	11/12/2015	12/10/2015	11/21/2015	N	N	N	358	-17,371	388,289	388,289		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
103	Expense	Base	Y	37414	42329352	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 1209-05_MP0.0000-5.0270 CASING REME	Close-Out	9/23/2014	3/1/2015	4/4/2015	3/25/2015	N	N	N	140	140	267,858	267,858		N/A		N/A	Local Trans-south-Fresno-Fresno County
104	Expense	Base	Y	37419	42329357	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 301A	Close-Out	9/3/2014	9/19/2015	11/21/2015	9/30/2015	N	N	N	3,585	-7,654	445,889	445,889		N/A		N/A	Local Trans-south-Central Coast-San Benito County
105	Expense	Base	Y	37426	42329819	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 124B MP 19.92	Engineering/Permitting	10/3/2014	3/12/2018	4/20/2018	3/26/2018	N	Y	N	1 433	2 399	10 016	424 447		N/A		N/A	Local Trans-north-Sierra-Yuba County
106	Expense	Base	Y	37427	42329602	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 153 MP 9.08	Close-Out	10/3/2014	7/28/2015	8/29/2015	8/14/2015	N	N	N	83,075	105,642	558,522	558,522		N/A		N/A	Local Trans-north-Mission-Alameda County
107	Expense	Base	Y	37429	42329604	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 0404-04 MP 0.72	Close-Out	10/3/2014	10/11/2015	11/10/2015	10/16/2015	N	N	N	2,175	-12,446	280,693	280,693		N/A		N/A	Local Trans-north-Mission-Solano County
108	Expense	Base	Y	37431	42329606	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 0401-01 MP 5.45	Close-Out	3/1/2015	3/1/2015	1/20/2016	1/20/2016	N	N	N	2,651	216,688	462,688	462,688		N/A		N/A	Local Trans-north-North Bay-vallejo/napa-Marin Cou
109	Expense	Base	Y	37438	42329611	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 1815-15 MP 0.97 CASING REMEDIATION	Close-Out	9/3/2014	3/1/2015	3/27/2015	3/24/2015	N	N	N	526	998	395 066	395 066		N/A		N/A	Local Trans-south-Central Coast-Monterey County
110	Expense	Base	Y	37447	42328817	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	CASING 105N MP 31.72	Close-Out	6/2/2014	7/19/2015	11/24/2015	9/23/2015	N	N	N	113,882	91,968	1,736,421	1,736,421		N/A		N/A	Local Trans-north-East Bay-south-Alameda County
111	Expense	Base	Y	37452	42328320	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L0824-02 MP 1.97 CASING REMEDIATION	Close-Out	9/3/2014	8/19/2015	10/7/2015	9/18/2015	N	N	N	4,264	-184,285	524,373	524,373		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
112	Expense	Base	Y	37457	42328176	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 1611-03 MP 0.85 CASING REMEDIATION	Close-Out	9/3/2014	3/1/2015	4/23/2015	4/10/2015	N	N	N	-2,646	-3,361	550,353	550,353		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
113	Expense	Base	Y	37519	42328302	GJ	Gas Transmission Mit	GJE	Close Interval Surve	5236943-GT R&D	CIS FIELD & ENGINEERING ANALYSIS	Engineering/Permitting	12/30/2015	3/1/2017	3/30/2017	5/25/2017	N	Y	N	224,405	754,158	1,655,782	1,655,782		N/A		N/A	Local Trans-Systemwide-Multiple Counties
114	Expense	Base	Y	37520	42328303	GJ	Gas Transmission Mit	GJJ	Low Read Investigati	5236943-GT R&D	LOW READ FIELD & ENGINEERING	Construction	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	1,879,984	3,283,355	3,383,642	3,383,642		N/A		N/A	Local Trans-Systemwide-Multiple Counties
115	Expense	Base	Y	37521	42328305	GJ	Gas Transmission Mit	GJF	DC Interf-Investig &	5236943-GT R&D	DC INTERFERENCE FIELD & ENGR ANALYSIS	Close-Out	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	392,169	652,384	1,549,420	1,549,420		N/A		N/A	Local Trans-Systemwide-Multiple Counties
116	Expense	Base	Y	37522	42328304	GJ	Gas Transmission Mit	GJA	AC Interf Investigat	5236943-GT R&D	AC INTERFERENCE FIELD & ENGR ANALYSIS	Construction	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	885,852	1,105,703	2,167,635	2,167,635		N/A		N/A	Local Trans-Systemwide-Multiple Counties
117	Expense	Base	Y	37523	42328306	GJ	Gas Transmission Mit	GJH	Intrnl Corrosion-Sit	5236943-GT R&D	IC FIELD & ENGR ANALYSIS - MONITORING	Construction	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	158,466	435,072	521,036	521,036		N/A		N/A	Local Trans-Systemwide-Multiple Counties
118	Expense	Base	Y	37524	42328307	GJ	Gas Transmission Mit	GJI	Intrnl Corrosion-Sit	5236943-GT R&D	IC FIELD & ENGINEERING ANALYSIS - IMLAP	Construction	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	110,721	195,729	492,505	492,505		N/A		N/A	Local Trans-Systemwide-Multiple Counties
119	Expense	Base	Y	37530	42328235	GJ	Gas Transmission Mit	GJK	Other-Expense	5236943-GT R&D	CP- 850 OFF FIELD & ENGINEERING ANALYSIS	Close-Out	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	758,873	1,387,624	2,269,205	2,269,205		N/A		N/A	Local Trans-Systemwide-Multiple Counties
120	Expense	Base	Y	37941	42342881	GJ	Gas Transmission Mit	GJK	Other-Expense	5236943-GT R&D	CORROSION SAP ENHANCEMENTS	Close-Out	3/1/2015	3/1/2015	12/28/2016	12/28/2016	N	N	Y	345	29,428	294,013	294,013		N/A		N/A	Systemwide-Systemwide-Multiple Counties
121	Expense	Base	Y	38108	42421472	GJ	Gas Transmission Mit	GJC	AC M tigation-Spans	5236943-GT R&D	GCUST5929 MP 0.01 - MP 0.02 REPAINT SPAN	Close-Out	10/1/2015	10/27/2016	11/8/2016	/ /	N	N	Y	249,650	254,398	264,178	268,178		N/A		N/A	Local Trans-north-North Valley-Shasta County
122	Expense	Base	Y	38109	42421153	GJ	Gas Transmission Mit	GJC	AC M tigation-Spans	5236943-GT R&D	C-665 L1033-01 MP1.47-MP1.48 REPAINT SPN	Close-Out	8/6/2015	10/13/2016	10/26/2016	/ /	N	N	Y	235 151	240 178	253 016	257 016		N/A		N/A	Local Trans-north-North Valley-Tehama County
123	Expense	Base	Y	38197	42352295	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 7212-01 MP 2.7698	Close-Out	9/3/2014	10/19/2015	11/6/2015	10/24/2015	N	N	N	258	106,382	263,974	263,974		N/A		N/A	Local Trans-south-Central Coast-Fresno County
124	Expense	Base	Y	38198	42352972	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 1818-01 MP 8.13	Close-Out	9/3/2014	6/13/2016	7/14/2016	6/27/2016	N	N	Y	149,400	469,110	503,688	503,688		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
125	Expense	Base	Y	38203	42353072	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 138C MP 46.93	Close-Out	9/3/2014	5/26/2015	8/24/2015	7/10/2015	N	N	N	52,034	51,350	631,647	631,647		N/A		N/A	Local Trans-south-Fresno-Fresno County
126	Expense	Base	Y	38264	42357915	GJ	Gas Transmission Mit	GJI	Intrnl Corrosion-Sit	5236943-GT R&D	2015 MCDONALD ISLAND IC INVESTIGATIONS	Close-Out	3/30/2015	7/13/2015	2/20/2016	7/31/2015	N	N	N	14 504	499 174	1 145 186	1 145 186		N/A		N/A	Mcdonald Island-San Joaquin County
127	Expense	Base	Y	38406	42358327	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L-109 MP 6.76 CASING REMEDIATION	Close-Out	9/3/2014	8/2/2015	11/12/2015	8/16/2015	N	N	N	2,406	-148	437,380	437,380		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
128	Expense	Base	Y	38474	42401289	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L-0402-05 MP 0.06 CASING REMEDIATION	Close-Out	9/3/2014	7/1/2015	7/13/2015	6/23/2015	N	N	N	-4,396	-4,396	335,526	335,526		N/A		N/A	Local Trans-north-North Bay-san Rafael-Marin Count
129	Expense	Base	Y	38547	42370765	GJ	Gas Transmission Mit	GJI	Intrnl Corrosion-Sit	5236943-GT R&D	2015 RIO VISTA IC INVESTIGATIONS	Close-Out	5/21/2015	8/19/2015	12/22/2015	8/27/2015	N	N	N	52,010	342,048	1,118,041	1,118,041		N/A		N/A	Rio Vista-Solano County
130	Expense	Base	Y	38548	42370766	GJ	Gas Transmission Mit	GJI	Intrnl Corrosion-Sit	5236943-GT R&D	2015 MERIDIAN IC INVESTIGATIONS	Close-Out	7/28/2015	12/10/2015	1/29/2016	12/15/2015	N	N	N	-9 217	280 666	526 339	526 339		N/A		N/A	Meridian-Sacramento-Multiple Counties
131	Expense	Base	Y	38553	42374740	GJ	Gas Transmission Mit	GJG	Corrosion-Excavation	5236943-GT R&D	401 MP 195.02 CIS DIRECT EXAMINATION	Close-Out	4/8/2015	9/10/2015	11/14/2015	9/18/2015	N	N	N	-19,562	84,280	306,724	306,724		N/A		N/A	Willows-North Valley-Glenn County
132	Expense	Base	Y	38703	42370202	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L-1640-01 MP 0.01 CASING REMEDIATION	Close-Out	9/3/2014	10/5/2015	11/11/2015	10/15/2015	N	N	N	94	-34,457	319,720	319,720		N/A		N/A	Local Trans-north-Stockton-Amador County
133	Expense	Base	Y	39137	42394290	GJ	Gas Transmission Mit	GJC	AC M tigation-Spans	5236943-GT R&D	L-131 CORROSION INVESTIGATION DIGS	Close-Out	5/13/2015	8/3/2015	8/28/2015	8/19/2015	N	N	N	2,694	25,777	489,878	489,878		N/A		N/A	Tracy-Alameda County
134	Expense	Base	Y	39315	42394877	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	CASING ETS INSTALATION L-0837-01 MP 1.50	Close-Out	6/2/2015	3/14/2016	6/1/2016	5/12/2016	N	N	N	70,456	565,383	609,830	609,830		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
135	Expense	Base	Y	39424	42401291	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	DREG-3895 MP 0.00 CASING REMEDIATION	Close-Out	9/3/2014	6/14/2015	8/5/2015	6/30/2015	N	N	N	-1,259	-460,458	528,414	528,414		N/A		N/A	Local Trans-north-North Bay-san Rafael-Marin Count
136	Expense	Base	Y	39673	42417244	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 0611-18 MP 6.98 CASING REMEDIATION	Close-Out	9/3/2014	7/1/2015	7/1/2015	6/17/2015	N	N	N		1,867	320,727	320,727		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
137	Expense	Base	Y	39728	42422438	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 105N MP 23.75 CASING REMEDIATION	Close-Out	9/3/2014	8/1/2015	8/1/2015	5/20/2015	N	N	N	-69,326	-68,355	660,368	660,368		N/A		N/A	Local Trans-north-East Bay-north-Alameda County
138	Expense	Base	Y	40237	42440929	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 177A MP 176.3 CASING REMEDIA	Estimation	2/6/2015	4/17/2017	5/26/2017	5/1/2017	N	Y	N	1,371	6,281	30,343	401,838		N/A		N/A	Local Trans-north-North Coast-eureka-Humboldt Coun
139	Expense	Base	Y	40241	42440934	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 7216-01 MP 0.99 CASING REMED	Estimation	2/6/2015	3/29/2017	5/8/2017	4/12/2017	N	Y	N	2,433	6,564	17,151	437,974		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
140	Expense	Base	Y	40242	42440935	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 7224-12 MP 0.71 CASING REMOV	Estimation	2/6/2015	2/7/2017	3/18/2017	2/21/2017	N	Y	N	5,289	20,550	32,900	433,515		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
141	Expense	Base	Y	40245	42440937	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 7226-01 MP 4.7 CASING REMEDI	Estimation	2/6/2015	2/13/2017	3/24/2017	2/27/2017	N	Y	N	3,474	23,405	31,171	632,694		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
142	Expense	Base	Y	40256	42429508	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 021E MP 73.79 CASING REMEDIATION	Close-Out	10/3/2014	11/30/2015	6/23/2016	2/9/2016	N	N	N	-82,530	646,803	704,705	707,505		N/A		N/A	Local Trans-north-North Coast-santa Rosa-Sonoma Co
143	Expense	Base	Y	40258	42429510	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 021E MP 73.8 CASING REMEDIATION	Close-Out	9/3/2014	11/30/2015	3/5/2016	12/17/2015	N	N	N	123,658	321,040	557,240	557,240		N/A		N/A	Local Trans-north-North Valley-Sonoma County
144	Expense	Base	Y	40266	42440938	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 7228-29 MP 0.59 CASING REMED	Estimation	2/6/2015	4/17/2017	5/26/2017	5/1/2017	N	Y	N	2,565	9,799	23,834	404,067		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
145	Expense	Base	Y	40397	42443407	GJ	Gas Transmission Mit	GJE	Close Interval Surve	5236943-GT R&D	RMEC15-200A-3-ENGR	Close-Out	1/4/2016	9/6/2016	11/7/2016	9/21/2016	N	N	Y	327,143	329,042	357,168	357,168		N/A		N/A	Systemwide-Systemwide-Multiple Counties
146	Expense	Base	Y	40541	42466598	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L119C MP 2.9921 CASING REMEDIATION	Close-Out	9/1/2015	9/14/2015	11/7/2015	11/5/2015	N	N	N	397	37,790	305,132	305,132		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
147	Expense	Base	Y	40857	42480593	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 1004-01 MP 3.3393 CASING REMED NEW	Close-Out	9/3/2014	3/30/2016	4/14/2016	4/4/2016	N	N	N	54 637	328 179	341 313	341 313		N/A		N/A	Local Trans-north-North Valley-Glenn County
148	Expense	Base	Y	40952	42488631	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	C-743A 2015 STATION RCT RIO VISTA DS IID	Close-Out	8/24/2015	11/3/2015	7/6/2016	/ /	N	N	Y	2,254	300,926	462,469	462,469		N/A		N/A	Rio Vista-Stockton-Solano County
149	Expense	Base	Y	40990	42489314	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L 301G MP 2.34	Close-Out	9/19/2015	10/1/2015	11/22/2015	10/19/2015	N	N	N	-6,897	7,175	406,790	406,790		N/A		N/A	Local Trans-south-Central Coast-San Benito County
150	Expense	Base	Y	41057	42599035	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	MCDONALD ISLAND COMPRESSOR STAT RECOA	Construction	7/8/2016	8/1/2016	5/3/2017	5/3/2017	Y	N	N	4,279	4,279	4,279	504,279		N/A		N/A	Mcdonald Island-San Joaquin County
151	Expense	Base	Y	41223	42569869	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L142N MP 10.53 CASING REMEDIATION	Estimation	10/23/2015	2/8/2017	3/20/2017	2/22/2017	N	Y	N	5 232	20 750	24 271	44 789		N/A		N/A	Kettleman-Kern-bakersfield-Kern County
152	Expense	Base	Y	41381	42576142	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L 307A MP 12.04 CASING REMEDIATION	Close-Out	10/23/2015	6/6/2016	6/28/2016	6/17/2016	N	N	N	28,838	443,922	445,980	445,980		N/A		N/A	Rio Vista-Yosemite-Fresno County
153	Expense	Base	Y	41389	42576152	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 0821-02 MP 0.43 CASING REMEDIATION	Close-Out	9/3/2014	12/1/2015	12/1/2015	10/13/2015	N	N	N	152,177	358,472	550,425	550,425		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
154	Expense	Base	Y	43136	42732305	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	CTS INSTALLATION EXPENSE	Construction	6/1/2016	6/1/2016	12/31/2017	12/31/2017	N	Y	N	4,326	2,653,972	2,653,972	2,653,972		N/A		N/A	Systemwide-Systemwide-San Francisco County
155	Expense	Base	Y	17300	8074694	HP	CGT Balancing Accoun	HPA	Pipeline Integrity M	5024393-ILI - DIRECT EXAM (HPI)	2008 THRU 2012 ICDA PROGRAM BUDGET	Close-Out	1/31/2008	2/1/2008	12/31/2010	12/31/2010	N	N	N	1 692	5 816	170 655	170 655		N/A		N/A	Local Trans-Systemwide-Contra Costa County
156	Expense	Base	Y	22273	P.03455	HP	CGT Balancing Accoun	HPD	Pipeline Integrity M	5024399-INTEGRITY MANAGE CORROSION ENG (HPD)	IM Semi Annual Leak Survey - WBS	Close-Out	2/27/2008	9/1/2008	12/28/2013	12/28/2013	N	N	N	714	95,409	1,847,821	1,847,821		N/A		N/A	Local Trans-north-Sacramento
157	Expense	Base	Y	22735	P.03990	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	2012 ECDA Program	Close-Out	8/17/2012	10/3/2012	5/1/2014	10/24/2012	N	N	N	8,097	8,567	41,084,911	41,084,911		N/A		N/A	Systemwide-Systemwide-Sacramento County
158	Expense	Base	Y	23062	41449670	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-108 MP 11.70- 36.96 PRESSURE INCREASE	Close-Out	1/19/2011	9/1/2011	7/10/2012	7/10/2012	N	N	N	64,988	165,943	492,454	492,454		N/A		N/A	Local Trans-north-Stockton-Multiple Counties
159	Expense	Base	Y	23064	41449650	HP	CGT Balancing Accoun	HPT		5038410-ROOT CAUSE	ROOT CAUSE ANALYSIS	Close-Out	1/19/2011	7/1/2011	1/28/2017	1/28/2017	N	Y	N	2 266 038	3 809 135	9 064 387	9 064 387		N/A		N/A	Systemwide-Systemwide-Multiple Counties
160	Expense	Base	Y	23079	41449662	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-105N MP 7.75-22.86 PIGGING & ANALYSIS	Close-Out	1/1/2011	7/9/2012	6/1/2013	4/12/2013	N	N	N	188	2,966	2,559,207	2,559,207		N/A		N/A	Local Trans-north-Mission-Multiple Counties
161	Expense	Base	Y	23089	41449673	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-177A MP 88.80-163.04 DIRECT EXAM & REP	Close-Out	1/19/2011	4/1/2011	9/4/2013	9/4/2013	N	N	N	4,699	4,699	3,241,575	3,241,575		N/A		N/A	Local Trans-north-North Coast-eureka-Multiple Coun
162	Expense	Base	Y	23144	P.03624	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	I-100 MP 138.43-150.13 DIRECT EXAM & REP	Close-Out	1/1/2011	1/1/2011	4/22/2014	4/22/2014	N	N	N	5,984	8,408	1,077,117	1,077,117		N/A		N/A	Milpitas/hollister-San Jose-Multiple Counties
163	Expense	Base	Y	23229	P.03642	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-303 ILI 0.00-42.86 Direct Exam & Repai	Close-Out	1/31/2008	2/1/2011	5/23/2011	5/23/2011	N	N	N	19,681	41,059	1,121,946	1,121,946		N/A		N/A	Tracy-Mission-Multiple Counties
164	Expense	Base	Y	23470	41665948	HP	CGT Balancing Accoun	HPH	TIMP Pipeline Pressu	5024399-INTEGRITY MANAGE CORROSION ENG (HPD)	DFM 7222-01 TIM-160B-12 MP11.16 TO MP13.	Close-Out	5/24/2011	4/1/2012	12/1/2014	12/1/2014	N	N	N	188	1,963	2,053,147	2,053,147		N/A	2011P	N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
165	Expense	Base	Y	23582	P.04053	HP	CGT Balancing Accoun	HPH	TIMP Pipeline Pressu	5024399-INTEGRITY MANAGE CORROSION ENG (HPD)	L-153_2 TEST 10.86MI MP 3.58-27.88PH1	Close-Out	10/27/2011	10/16/2012	5/17/2013	11/27/2012	N	N	N			2,189,425	2,189,425		N/A	2011P	N/A	Tracy-East Bay-south-Alameda County
166	Expense	Base	Y	23861	P.04021	HP	CGT Balancing Accoun	HPH	TIMP Pipeline Pressu	5024399-INTEGRITY MANAGE CORROSION ENG (HPD)	DFM-0813-01 TEST 1.00MI MP 0.02-1.29 WBS	Close-Out	10/27/2011	9/5/2012	11/27/2012	11/5/2012	N	N	N			552,612	552,612		N/A	2011P	N/A	Milpitas/hollister-San Jose-Santa Clara County
167	Expense	Base	Y	24400	41504820	HP	CGT Balancing Accoun	HPD	Integrity Manage Cor	5019016-HPD	AC INVESTIGATION AND PRIORITIZATION	Close-Out	5/12/2011	7/1/2011	7/28/2016	7/28/2016	N	N	Y	-2,431	-56	712,674	712,674		N/A		N/A	Systemwide-Systemwide-Multiple Counties
168	Expense	Base	Y	24861	41692171	HP	CGT Balancing Accoun	HPD	Integrity Manage Cor	5019016-HPD	INTERNAL CORROSION 2014 INVESTIGATIONS	Close-Out	7/20/2011	6/1/2012	12/16/2016	12/16/2016	N	N	Y	52	52	952,042	952,042		N/A		N/A	Systemwide-Systemwide-Multiple Counties
169	Expense	Base	Y	24910	P.05823	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-105N MP 7.75-22.86 DIRECT EXAM & REPAI	Close-Out	1/5/2012	4/1/2014	5/22/2014	5/1/2014	N	N	N	628	1,199	1,010,877	1,010,877		N/A		N/A	Local Trans-north-Mission-Alameda County
170	Expense	Base	Y	25303	41608471	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-401 MP 82.34-149.19 PIGGING & ANALYSIS	Close-Out	6/12/2014	8/26/2014	11/28/2016	9/20/2014	N	N	Y	5,090	7,331	2,191,130	2,191,130		N/A	2015	N/A	Burney-North Valley
171	Expense	Base	Y	25305	P.05841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-153 MP 0.00-17.65 ILI RE-INSPECTION	Close-Out	6/18/2013	4/10/2014	10/9/2014	7/14/2014	N	N	N	5,326	7,426	2,142,322	2,142,322		N/A		N/A	Local Trans-north-Mission
172	Expense	Base	Y	25308	41609494	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-089 L-109 MP 0.00-43.47 PIG & ANALYSIS	Engineering/Permitting	12/15/2015	3/2/2017	9/13/2017	6/20/2017	N	Y	N	6 824	12 792	14 319	2 218 103		N/A		N/A	Local Trans-south-Peninsula
173	Expense	Base	Y	25311	P.05841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-105B MP 0.00-11.81 ILI RE-INSPECTION	Close-Out	12/27/2013	5/9/2014	8/28/2014	5/18/2014	N	N	N	4,922	5,158	1,365,256	1,365,256		N/A		N/A	Local Trans-north-East Bay-north
174	Expense	Base	Y	25313	41612936	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-2 MP 43.45-118.20 ILI RE-INSPECTION	Close-Out	9/7/2014	1/15/2015	9/1/2015	3/16/2015	N	N	N	1,656	8,065	1,894,211	1,894,211		N/A		N/A	Tracy-Yosemite-Merced County
175	Expense	Base	Y	25314	P.05841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-21E MP 64.53-93.55 ILI RE-INSPECTION	Close-Out	6/18/2013	11/27/2013	6/16/2014	3/10/2014	N	N	N	55,837	55,977	1,314,568	1,314,568		N/A		N/A	Local Trans-north-North Coast-santa Rosa
176	Expense	Base	Y	25315	41613111	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-21D MP 16.64-31.91 PIGGING & ANALYSIS	Close-Out	1/8/2015	2/17/2015	9/3/2015	3/31/2015	N	N	N	7 290	17 813	918 441	918 441		N/A		N/A	Local Trans-north-North Coast-santa Rosa
177	Expense	Base	Y	25316	41616084	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-091 L-303 MP 0.00-42.86 ILI RE-INSPECT	Close-Out	12/11/2014	2/20/2015	11/2/2016	3/5/2015	N	N	Y	486	1,055	1,816,679	1,816,679		N/A		N/A	Tracy-Mission
178	Expense	Base	Y	25317	P.05841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-035 L-114 MP 9.03-16.59 ILI RE-INSPEC	Close-Out	12/4/2013	3/11/2014	9/3/2014	5/30/2014	N	N	N	5,644	5,798	1,270,302	1,270,302		N/A		N/A	Tracy-Diablo
179	Expense	Base	Y	25318	P.05841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-57C MP 0.00-6.04 PIGGING & ANALYSIS	Close-Out	12/27/2013	7/14/2014	9/23/2014	7/18/2014	N	N	N	5,347	5,467	952,433	952,433		N/A		N/A	Mcdonald Island-Stockton
180	Expense	Base	Y	25323	41616091	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-086 L-400 MP 82.33-142.61 PIGING & ANA	Construction	2/2/2015	7/15/2015	1/7/2017	8/26/2015	N	Y	N	15 830	51 613	3 957 818	3 957 818		N/A		N/A	Burney-North Valley
181	Expense	Base	Y	25336	8119556	HP	CGT Balancing Accoun	HPG	Casing Mitigation	5023793-HPG	TEST CASES W/O WIRE OR VENTS	Close-Out	1/5/2012	2/1/2012	9/29/2016	9/29/2016	N	N	Y	-50	-50	2,127,478	2,127,478		N/A		N/A	Systemwide-Systemwide-Multiple Counties
182	Expense	Base	Y	25357	P.03857	HP	CGT Balancing Accoun	HPA	Integrity Manage Oth	5019013-HPA	Cal State Lands Master Lease - WBS	Construction	2/1/2012	2/1/2012	1/11/2014	1/11/2014	N	N	N	228,065	530,561	4,302,642	4,369,622		N/A		N/A	Systemwide-Systemwide-Multiple Counties
183	Expense	Base	Y	25382	41595955	HP	CGT Balancing Accoun	HPK	SCC Direct Assessmen	5023852-HPK	SCCDA 300 COMPRESSOR STATIONS	Close-Out	10/1/2011	10/1/2011	11/12/2011	11/12/2011	N	N	N	15,229	24,054	561,822	561,822		N/A		N/A	Topock-San Bernardino County
184	Expense	Base	Y	25385	P.03872	HP	CGT Balancing Accoun	HPG	Casing Mitigation	5023793-HPG	Remediate Contacted Cased Crossings	Construction	3/1/2014	4/1/2014	1/23/2015	1/23/2015	N	N	N	783	3,270	6,302,494	6,302,494		N/A		N/A	Local Trans-north-East Bay-south-Alameda County
185	Expense	Base	Y	26330	41640627	HP	CGT Balancing Accoun	HPH	TIMP Pipeline Pressu	5024399-INTEGRITY MANAGE CORROSION ENG (HPD)	DFM-0405-01 T-143-12 MP 3.87 TO MP13.0	Close-Out	1/31/2012	8/14/2012	12/21/2012	9/28/2012	N	N	N	11,320	22,361	4,087,400	4,087,400		N/A		N/A	Local Trans-north-North Bay-vallejo/napa-Multiple
186	Expense	Base	Y	26647	P.05841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-300A MP 450.83-502.43 ILI RE-INSPECT	Close-Out	6/18/2013	3/8/2014	6/23/2014	3/14/2014	N	N	N	4,758	5,038	1,700,319	1,700,319		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
187	Expense	Base	Y	26651	P.05841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-027 L-132S MP 0.00-31.93 PIG & ANALYS	Construction	6/18/2013	8/30/2016	6/23/2017	4/10/2017	N	Y	N	1,824,580	3,135,266	6,675,983	8,409,008		N/A		N/A	Local Trans-south-Peninsula-Santa Clara County
188	Expense	Base	Y	26664	41658907	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-105N MP 6.91-22.85 ILI PRESSURE INCREA	Close-Out	3/1/2012	3/1/2012	5/24/2013	5/24/2013	N	N	N	3,750	3,750	676,896	676,896		N/A		N/A	Local Trans-north-Mission-Alameda County
189	Expense	Base	Y	26698	41661856	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-153 MP 0.00-17.65 DIRECT EXAM & REPAIR	Close-Out	9/26/2014	3/29/2016	4/25/2016	4/7/2016	N	N	N	1,580,615	2,544,624	2,618,487	2,628,937		N/A		N/A	Local Trans-north-Mission-Alameda County
190	Expense	Base	Y	26845	8120196	HP	CGT Balancing Accoun	HPH	Long Term Integrity	5023829-HPH	CONTINUAL EVALUATION	Close-Out	1/1/2013	1/1/2013	1/28/2017	1/28/2017	N	Y	N	77,469	184,196	1,342,851	1,342,851		N/A		N/A	Systemwide-Systemwide-Multiple Counties
191	Expense	Base	Y	26876	P.05227	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	2014 ECDA Program WBS	Construction	5/13/2014	9/21/2014	11/21/2014	9/29/2014	N	N	N	144,564	-672	25,091,297	25,091,297		N/A		N/A	Systemwide-Systemwide-Santa Clara County
192	Expense	Base	Y	27508	P.05841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-300A MP 393.53-450.83 ILI RE-INSPECT	Close-Out	6/18/2013	12/9/2013	5/14/2014	2/19/2014	N	N	N	2,424	4,087	1,664,958	1,664,958		N/A		N/A	Milpitas/hollister-Santa Clara County
193	Expense	Base	Y	27653	41743430	HP	CGT Balancing Accoun	HPH	TIMP Pipeline Pressu	5024399-INTEGRITY MANAGE CORROSION ENG (HPD)	GCUST5900 TIM-274-13 MP 0.07-0.49	Close-Out	11/15/2012	6/4/2013	6/24/2013	6/15/2013	N	N	N	3,494	15,638	716,038	716,038		N/A		N/A	Local Trans-north-Mission-Alameda County
194	Expense	Base	Y	27824	41719579	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-316 MP (MULITPLE) ILI & ANALYSIS	Close-Out	7/1/2012	7/1/2012	12/31/2012	12/31/2012	N	N	N	3,054	9,847	755,581	755,581		N/A		N/A	Tracy-Diablo-San Joaquin County
195	Expense	Base	Y	27911	P.05823	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	GT L-172A MP 40.07-69.81 DIRECT EXAM & R	Close-Out	12/12/2013	8/10/2015	9/9/2015	8/20/2015	N	N	N	1,741	44,691	679,833	679,833		N/A		N/A	Meridian-Sierra-Sacramento County
196	Expense	Base	Y	28191	P.04341	HP	CGT Balancing Accoun	HPJ	ICDA - Pipeline	5023827-HPJ	ICDA Peninsula WBS 2012	Close-Out	5/1/2012	5/1/2012	3/19/2013	3/19/2013	N	N	N	10,897	15,013	6,186,497	6,186,497		N/A		N/A	Local Trans-south-Peninsula-Santa Clara County
197	Expense	Base	Y	28673	P.04394	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	2013 ECDA Program WBS	Close-Out	1/1/2013	1/1/2013	9/11/2015	9/11/2015	N	N	N	4 532	6 406	23 161 707	23 161 707		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
198	Expense	Base	Y	29396	P.04846	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	2013 ILI Direct Examination & Repair WBS	Close-Out	4/18/2012	5/1/2012	7/22/2014	7/22/2014	N	N	N	24,649	46,670	11,131,258	11,131,258		N/A		N/A	Local Trans-north-North Coast-ukiah-Mendocino Coun
199	Expense	Base	Y	29574	41847876	HP	CGT Balancing Accoun	HPL	Risk Management	5023852-HPK	IM DATA VALIDATION & ANALYSIS	Close-Out	2/1/2013	2/1/2013	1/28/2017	1/28/2017	N	Y	N	344,517	422,200	1,224,879	1,224,879		N/A		N/A	Systemwide-Systemwide
200	Expense	Base	Y	29938	41870137	HP	CGT Balancing Accoun	HPA	Integrity Manage Oth	5019013-HPA	L-132 36"" DIA ELBOW INSPECTIONS	Engineering/Perm tting	6/18/2013	2/27/2017	4/3/2017	3/7/2017	N	Y	N	52,631	73,151	289,390	979,390		N/A		N/A	Systemwide-Systemwide-San Mateo County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
201	Expense	Base	Y	30207	41880851	HP	CGT Balancing Accoun	HPL	Risk Management	5023852-HPK	FRACTURE CONTROL	Close-Out	4/1/2013	4/1/2013	1/28/2017	1/28/2017	N	Y	N	96,357	153,302	708,131	708,131		N/A		N/A	Local Trans-Systemwide-Multiple Counties
202	Expense	Base	Y	30245	41884970	HP	CGT Balancing Accoun	HPL	Risk Management	5023852-HPK	ANNUAL GEOSCIENCE WORK FOR GAS T&D	Close-Out	4/1/2013	4/1/2013	1/28/2017	1/28/2017	N	Y	N	111,414	311,174	725,366	725,366		N/A		N/A	Systemwide-Systemwide-Multiple Counties
203	Expense	Base	Y	30805	P.05823	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-210C MP 19.5-32.1 DIRECT EXAM & REPAIR	Close-Out	10/23/2013	5/6/2014	6/6/2014	5/19/2014	N	N	N	22 043	102 833	1 341 685	1 341 685		N/A		N/A	Local Trans-north-North Bay-vallejo/napa-Solano Co
204	Expense	Base	Y	31040	P.06773	HP	CGT Balancing Accoun	HPO	TIMP Digs - ICDA	5023852-HPK	2014 ICDA PROJECT L-118	Close-Out	12/1/2013	11/4/2014	12/11/2014	11/11/2014	N	N	N	-9,386	11,452	3,224,020	3,224,020		N/A		N/A	Local Trans-south-Yosemite-Multiple Counties
205	Expense	Base	Y	31043	P.06773	HP	CGT Balancing Accoun	HPO	TIMP Digs - ICDA	5023852-HPK	2014 ICDA PROJECT L-148	Close-Out	12/1/2013	11/17/2014	1/22/2015	12/1/2014	N	N	N	2,426	2,599	1,359,389	1,359,389		N/A		N/A	Local Trans-south-Yosemite-Multiple Counties
206	Expense	Base	Y	31046	P.06773	HP	CGT Balancing Accoun	HPO	TIMP Digs - ICDA	5023852-HPK	2014 ICDA PROJECT L-300	Construction	12/1/2013	9/8/2015	7/15/2017	10/23/2015	N	Y	N	67,515	114,813	2,411,691	2,450,940		N/A		N/A	Local Trans-Systemwide-Multiple Counties
207	Expense	Base	Y	31075	P.06774	HP	CGT Balancing Accoun	HPP	TIMP Digs - SCCDA	5023852-HPK	2014 SCCDA L-300	Close-Out	12/2/2013	12/9/2015	2/2/2016	12/19/2015	N	N	N	6 993	262 472	1 232 680	1 232 680		N/A		N/A	Local Trans-south-Kern-bakersfield-Multiple Counti
208	Expense	Base	Y	31082	42101322	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	IMMEDIATE DIGS FOR 2014 PIG RUNS	Close-Out	3/4/2014	5/13/2014	5/24/2014	5/15/2014	N	N	N	203	-25,535	5,005,915	5,005,915		N/A		N/A	Local Trans-Systemwide-Multiple Counties
209	Expense	Base	Y	31094	P.05163	HP	CGT Balancing Accoun	HPJ	ICDA - Pipeline	5023827-HPJ	2013 ICDA - System Wide - WBS	Close-Out	3/1/2013	3/1/2013	12/3/2013	12/3/2013	N	N	N	9,271	17,909	7,997,333	7,997,333		N/A		N/A	Local Trans-north-Sierra-Placer County
210	Expense	Base	Y	31546	42087186	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-090 L-0126-01 MP 0.00-1.84 PIG & ANALS	Construction	12/15/2015	10/25/2016	2/23/2017	11/22/2016	N	Y	N	2,342,388	2,353,149	2,353,244	2,633,244		N/A		N/A	Local Trans-south-Peninsula-Contra Costa County
211	Expense	Base	Y	31547	42087183	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-1202-16 MP 2.59-4.60 PIGGING & ANALYSI	Close-Out	3/26/2015	6/17/2015	7/14/2016	4/30/2016	N	N	Y	348 122	1 921 816	2 171 078	2 171 078		N/A		N/A	Local Trans-south-Peninsula-Fresno County
212	Expense	Base	Y	31548	42086773	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-138 MP 43.58-49.43 PIGGING & ANALYSIS	Construction	4/9/2015	6/17/2015	1/28/2017	10/7/2016	N	Y	N	266,789	524,425	1,167,791	1,167,791		N/A		N/A	Local Trans-south-Fresno-Fresno County
213	Expense	Base	Y	32334	41991620	HP	CGT Balancing Accoun	HPG	Casing Mitigation	5023793-HPG	*CANC*CASING REMEDIATION L-105 MP 16.4	Close-Out	11/1/2013	11/1/2013	12/5/2016	12/5/2016	N	N	Y	2,862	4,032	1,693,644	1,693,644		N/A		N/A	Local Trans-north-Mission-Alameda County
214	Expense	Base	Y	33159	42090982	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-114 MP 28.98-34.06 PIGGING & ANALYSIS	Close-Out	11/24/2014	9/5/2015	11/18/2015	11/18/2015	N	N	N	-90,388	19,180	1,668,105	1,668,105		N/A	2015	N/A	Local Trans-north-Mission-Alameda County
215	Expense	Base	Y	33160	42087240	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-119A MP 9.69-16.46 PIGGING & ANALYSIS	Close-Out	2/2/2015	7/29/2015	4/1/2016	2/18/2016	N	N	N	25,432	552,327	1,634,231	1,634,231		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
216	Expense	Base	Y	33202	42099279	HP	CGT Balancing Accoun	HPD	Pipeline Integrity M	5024399-INTEGRITY MANAGE CORROSION ENG (HPD)	CORROSION TASK LIST VERIFICATION	Close-Out	5/1/2014	5/1/2014	7/28/2016	7/28/2016	N	N	Y	-558,913	-196,971	2,241,786	2,241,786		N/A		N/A	Systemwide-Systemwide-Multiple Counties
217	Expense	Base	Y	33248	42098046	HP	CGT Balancing Accoun	HPG	Casing Mitigation	5023793-HPG	RT-088 CASING REMEDIATION 111A MP 18.2	Close-Out	4/1/2014	11/17/2014	1/29/2015	12/18/2014	N	N	N	14,920	22,236	431,126	431,126		N/A		N/A	Local Trans-south-Fresno-Fresno County
218	Expense	Base	Y	33262	8151550	HP	CGT Balancing Accoun	HPA	Integrity Manage Oth	5019013-HPA	INTEGRITY MGMT TEAM COSTS (HPA)	Construction	2/1/2014	2/1/2014	12/31/2019	12/31/2019	N	Y	N	758,092	2,076,519	8,190,627	8,190,627		N/A		N/A	Systemwide-Systemwide-Multiple Counties
219	Expense	Base	Y	33436	42101657	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-21E MP 64.53-93.55 DIRECT EXAM & REPAI	Close-Out	7/30/2014	6/1/2015	7/14/2015	6/1/2015	N	N	N	596,919	1,080,021	2,465,855	2,521,057		N/A		N/A	Local Trans-north-North Coast-santa Rosa-Sonoma Co
220	Expense	Base	Y	33437	42101642	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-300A MP 393-450 DIRECT EXAM & REPAIR	Construction	2/10/2015	8/31/2015	9/11/2015	9/11/2015	N	N	N	327,921	607,603	2,228,297	2,228,297		N/A		N/A	Milpitas/hollister-Central Coast
221	Expense	Base	Y	33445	42101652	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-300A MP 450-502 DIRECT EXAM & REPAIR	Close-Out	2/18/2015	5/16/2016	6/24/2016	6/2/2016	N	N	N	1,091,373	2,073,923	2,559,477	2,559,477		N/A		N/A	Milpitas/hollister-San Jose
222	Expense	Base	Y	33446	42101658	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-101 MP 0.00-11.62 DIRECT EXAM & REPAIR	Close-Out	4/1/2014	9/29/2015	12/11/2015	11/25/2015	N	N	N	-4,541	23,634	1,420,254	1,420,254		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
223	Expense	Base	Y	33615	42109978	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	GT L-118A NON-TRADITIONAL ILI MP 60.00	Close-Out	4/21/2014	7/14/2014	8/18/2014	7/24/2014	N	N	N	6,423	11,661	824,494	824,494		N/A		N/A	Local Trans-south-Kern-Stanislaus County
224	Expense	Base	Y	33638	42112223	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-101 ENG	Close-Out	6/1/2014	2/9/2015	8/15/2015	3/22/2016	N	N	N	31	26 007	1 206 411	1 206 411		N/A		N/A	Systemwide-Systemwide-Santa Clara County
225	Expense	Base	Y	33642	42112234	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-109-1 ENG	Close-Out	4/1/2014	11/17/2014	5/26/2016	11/10/2016	N	N	N	28,897	605,219	1,490,461	1,490,461		N/A		N/A	Systemwide-Systemwide-Alameda County
226	Expense	Base	Y	33648	42112623	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-119-2 ENG	Close-Out	4/1/2014	4/1/2014	12/28/2016	12/28/2016	N	N	Y	-977	-1,011	401,978	401,978		N/A		N/A	Systemwide-Systemwide-Sacramento County
227	Expense	Base	Y	33726	8154538	HP	CGT Balancing Accoun	HPA	Integrity Manage Oth	5019013-HPA	TIMP PROCEDURE UPDATES	Close-Out	4/1/2014	4/1/2014	1/28/2017	1/28/2017	N	Y	N	246,200	363,516	1,020,518	1,020,518		N/A		N/A	Systemwide-Systemwide-Multiple Counties
228	Expense	Base	Y	33997	42130676	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	2014- IMMEDIATE INDICATIONS DIGS PROJECT	Close-Out	2/3/2014	5/1/2014	5/3/2014	4/14/2014	N	N	N	65 036	279 639	4 228 121	4 228 121		N/A		N/A	Topock-Multiple Counties
229	Expense	Base	Y	33999	42124691	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-080 L-147 MP 0.00-3.57 PIG & ANALYSI	Close-Out	6/1/2014	1/15/2015	7/29/2016	5/3/2016	N	N	Y	485,251	1,773,533	5,439,381	5,439,381		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
230	Expense	Base	Y	34021	42165789	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	DFM-1615-07 MP 0.00-0.25 TEST T-1059	Close-Out	9/11/2014	6/25/2015	8/13/2015	7/29/2015	N	N	N	8,863	11,238	1,331,531	1,331,531		N/A		N/A	Tracy-Stockton-San Joaquin County
231	Expense	Base	Y	34439	42164977	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-119-1 DIGS	Close-Out	8/1/2014	2/17/2015	3/13/2015	3/2/2015	N	N	N	325	2,723	345,844	345,844		N/A		N/A	Local Trans-north-Sacramento-Multiple Counties
232	Expense	Base	Y	34441	42164763	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-119-2 DIGS	Close-Out	2/26/2015	4/28/2015	5/13/2015	5/4/2015	N	N	N	364	1 600	320 367	320 367		N/A		N/A	Local Trans-north-Sacramento-Multiple Counties
233	Expense	Base	Y	34442	42164690	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-107 DIGS	Close-Out	3/18/2015	6/1/2015	8/10/2015	6/3/2015	N	N	N	-820,710	-820,127	860,320	860,320		N/A		N/A	Systemwide-Systemwide-Multiple Counties
234	Expense	Base	Y	34445	42164974	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-400-1 DIGS	Close-Out	3/12/2015	6/1/2015	8/12/2015	6/2/2015	N	N	N	10,280	67,704	1,090,858	1,111,950		N/A		N/A	Systemwide-Systemwide-Multiple Counties
235	Expense	Base	Y	34446	42164909	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-177-1 DIGS	Close-Out	2/25/2015	7/1/2015	10/30/2015	7/29/2015	N	N	N	28,032	70,276	1,247,949	1,247,949		N/A		N/A	Systemwide-Systemwide-Multiple Counties
236	Expense	Base	Y	34447	42164911	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-177-2 DIGS	Close-Out	3/19/2015	9/28/2015	10/24/2015	10/6/2015	N	N	N	87,175	89,389	530,950	530,950		N/A		N/A	Systemwide-Systemwide-Multiple Counties
237	Expense	Base	Y	34448	42164975	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-400-2 DIGS	Close-Out	3/25/2015	8/31/2015	12/23/2015	10/13/2015	N	N	N	-2,177,766	-629,760	1,685,940	1,685,940		N/A		N/A	Systemwide-Systemwide-Multiple Counties
238	Expense	Base	Y	34449	42164689	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-101 DIGS	Close-Out	3/18/2015	10/4/2015	12/15/2015	10/27/2015	N	N	N	228,913	1,614,143	5,208,918	5,208,918		N/A		N/A	Systemwide-Systemwide-Multiple Counties
239	Expense	Base	Y	34453	42165715	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-109-1 DIGS	Close-Out	3/8/2015	4/13/2016	8/11/2016	4/27/2016	N	N	Y	1,017,785	2,508,197	2,593,837	2,593,837		N/A		N/A	Systemwide-Systemwide-Multiple Counties
240	Expense	Base	Y	34454	42164694	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-109-2 DIGS	Close-Out	3/24/2015	9/22/2015	10/15/2015	9/30/2015	N	N	N	31,346	723,031	1,364,912	1,364,912		N/A		N/A	Systemwide-Systemwide-Multiple Counties
241	Expense	Base	Y	34466	42157415	HP	CGT Balancing Accoun	HPD	Integrity Manage Cor	5019016-HPD	GT LOCAL TRANS CORROSION SERVICES SUPPOR	Construction	7/1/2014	7/1/2014	12/31/2022	12/31/2022	N	Y	N	2,261	2,761	406,598	406,598		N/A		N/A	Systemwide-Systemwide-Multiple Counties
242	Expense	Base	Y	34501	42154126	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	EC14-108-2-G&H - NON TRADITIONAL ILI	Close-Out	7/2/2014	7/25/2014	11/2/2016	8/8/2014	N	N	Y	5,427	5,427	523,560	523,560		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
243	Expense	Base	Y	34777	42164679	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-301 ENG	Close-Out	8/1/2014	3/12/2015	11/22/2015	11/4/2016	N	N	N	22,189	33,734	451,696	451,696		N/A		N/A	Systemwide-Systemwide-Multiple Counties
244	Expense	Base	Y	34826	42164496	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-109-3 ENG	Close-Out	6/17/2014	12/8/2014	5/30/2015	11/18/2016	N	N	N	953	14,126	477,857	477,857		N/A		N/A	Systemwide-Systemwide
245	Expense	Base	Y	34827	42164697	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-109-3 DIGS	Close-Out	3/24/2015	3/17/2016	4/6/2016	3/31/2016	N	N	N	673,472	3,161,374	3,224,151	3,224,151		N/A		N/A	Systemwide-Systemwide-Multiple Counties
246	Expense	Base	Y	34834	42164497	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-148 ENG	Close-Out	8/1/2014	8/1/2014	12/28/2016	12/28/2016	N	N	Y	3,600	5,182	282,585	282,585		N/A		N/A	Systemwide-Systemwide-Multiple Counties
247	Expense	Base	Y	34835	42164499	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-153 ENG	Close-Out	6/7/2014	8/12/2015	11/15/2015	11/4/2016	N	N	N	3,696	84,317	493,665	493,665		N/A		N/A	Systemwide-Systemwide-Multiple Counties
248	Expense	Base	Y	34839	42179586	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	2014- POST ASSESSMENT	Construction	12/1/2014	12/1/2014	12/31/2016	12/31/2016	N	N	Y	190,981	370,126	441,458	441,458		N/A		N/A	Systemwide-Systemwide-Multiple Counties
249	Expense	Base	Y	34929	42180070	HP	CGT Balancing Accoun	HPP	TIMP Digs - SCCDA	5023852-HPK	SCC15-303 DIGS	Engineering/Permitting	9/18/2015	7/31/2017	9/9/2017	8/14/2017	N	Y	N	16 600	38 356	94 418	476 304		N/A		N/A	Systemwide-Systemwide-Multiple Counties
250	Expense	Base	Y	34932	42180075	HP	CGT Balancing Accoun	HPP	TIMP Digs - SCCDA	5023852-HPK	SCC15-400 DIGS	Close-Out	9/3/2015	9/12/2016	11/22/2016	9/20/2016	N	N	Y	959,972	978,205	1,026,997	1,033,997		N/A		N/A	Systemwide-Systemwide-Multiple Counties
251	Expense	Base	Y	34998	42164761	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-116 ENG	Close-Out	8/1/2014	6/15/2015	6/7/2016	11/4/2016	N	N	N	11,129	47,789	435,384	435,384		N/A		N/A	Systemwide-Systemwide-Multiple Counties
252	Expense	Base	Y	35043	8158041	HP	CGT Balancing Accoun	HPL	Risk Management	5023852-HPK	FITNESS FOR SERVICE EVAL	Construction	9/8/2014	10/1/2014	TBD	TBD	N	Y	N	99,568	109,752	286,898	286,898		N/A		N/A	Systemwide-Systemwide-San Francisco County
253	Expense	Base	Y	35044	8158042	HP	CGT Balancing Accoun	HPL	Risk Management	5023852-HPK	UPDATE ASSESSMENT PLAN	Construction	8/1/2014	8/1/2014	TBD	TBD	N	Y	N	405 746	948 106	1 541 107	1 541 107		N/A		N/A	Systemwide-Systemwide-San Francisco County
254	Expense	Base	Y	35196	42173327	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	GT L-132 MP 45.09 NON-TRADITIONAL ILI	Close-Out	8/1/2014	8/25/2014	11/19/2014	9/8/2014	N	N	N	3,971	3,971	713,249	713,249		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
255	Expense	Base	Y	35394	42189681	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-0837-01 MP 0.00-1.50 CASED PIPE ILI	Close-Out	11/12/2014	3/3/2015	10/27/2016	3/29/2015	N	N	Y	875	1,679	1,087,987	1,087,987		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
256	Expense	Base	Y	35398	42189578	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-153 MP 17.80-17.81 CASED PIPE ILI	Close-Out	12/8/2014	2/17/2015	8/14/2015	4/14/2015	N	N	N	127	9,964	607,105	607,105		N/A		N/A	Local Trans-north-East Bay-north-Alameda County
257	Expense	Base	Y	35946	8159656	HP	CGT Balancing Accoun	HPE	Integrity Manage Lea	5019017-HPE	2014 TRANS LEAK SURVEY-SCH-PLAN-REPORT	Close-Out	9/18/2014	10/1/2014	12/28/2016	12/28/2016	N	N	Y	741 696	741 696	955 572	955 572		N/A		N/A	Systemwide-Systemwide-Multiple Counties
258	Expense	Base	Y	35948	42193904	HP	CGT Balancing Accoun	HPS		5038411-GEO-HAZARD	GEOHAZARD THREAT ID & MONITORING	Close-Out	10/1/2014	10/1/2014	1/28/2017	1/28/2017	N	Y	N	357,639	772,521	2,130,816	2,130,816		N/A		N/A	Systemwide-Systemwide-Multiple Counties
259	Expense	Base	Y	36041	42196435	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	GT L-132 NON-TRADITIONAL ILI MP 41.76-41	Close-Out	9/1/2014	9/1/2014	2/12/2015	2/12/2015	N	N	N	15,285	27,754	481,036	481,036		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
260	Expense	Base	Y	36045	42202098	HP	CGT Balancing Accoun	HPG	Casing Mitigation	5023793-HPG	*CANC*3006-01_MP0.00-5.76	Close-Out	10/1/2014	10/1/2014	8/29/2015	8/29/2015	N	N	N			4,218	4,218		N/A	2015	N/A	Local Trans-north-Diablo-Contra Costa County
261	Expense	Base	Y	36665	42222318	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	IC14-148 NTILI	Close-Out	9/24/2014	11/10/2014	2/4/2015	12/3/2014	N	N	N	1 447	4 312	281 447	281 447		N/A		N/A	Local Trans-south-Yosemite-Multiple Counties
262	Expense	Base	Y	36830	42278917	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-105B MP 0.00-11.81 DIRECT EXAM & REPAI	Close-Out	8/25/2014	8/18/2015	9/18/2015	8/26/2015	N	N	N	667,492	981,742	1,184,828	1,300,948		N/A		N/A	Local Trans-north-East Bay-north-Contra Costa Coun
263	Expense	Base	Y	36837	42280029	HP	CGT Balancing Accoun	HPM	Repairs / Replace <	5023852-HPK	RT-123 L-142N MP 7.83-8.03 REPL	Close-Out	11/13/2014	7/6/2015	7/31/2015	7/24/2015	N	N	N	2,625	4,689	565,852	565,852		N/A		N/A	Local Trans-south-Kern-Kern County
264	Expense	Base	Y	36841	42280022	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-114 MP 9.03-16.59 DIRECT EXAM & REPAIR	Close-Out	12/4/2014	10/6/2015	10/20/2015	10/9/2015	N	N	N	4,394	-48,875	461,706	461,706		N/A		N/A	Local Trans-north-Mission-Contra Costa County
265	Expense	Base	Y	36842	42280023	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-131-30 MP 50.5-57.4 DIRECT EXAM & REP	Engineering/Permitting	2/13/2015	6/15/2017	7/21/2017	6/23/2017	N	Y	N	771,681	1,268,340	1,320,528	1,839,513		N/A		N/A	Local Trans-north-Mission
266	Expense	Base	Y	36843	42280025	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-132 MP 31.9-38.4 DIRECT EXAM & REPAIR	Engineering/Permitting	3/2/2015	2/27/2017	4/3/2017	3/7/2017	N	Y	N	1,962,228	1,990,206	2,037,597	2,615,097		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
267	Expense	Base	Y	36973	42285318	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-57C MP 0.00-6.04 DIRECT EXAM & REPAIR	Close-Out	12/1/2014	12/1/2014	8/18/2016	8/18/2016	N	N	Y	379,865	452,898	472,053	472,053		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
268	Expense	Base	Y	37137	42316175	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	L-300A MP 414.57-414.91 TEST T-1083	Close-Out	1/19/2015	9/28/2015	1/19/2016	11/12/2015	N	N	N	28,330	65,844	2,761,763	2,761,763		N/A		N/A	Local Trans-south-Central Coast-Santa Clara County
269	Expense	Base	Y	37160	42311405	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-101 MP 11.62-33.68 ILI & ANALYSIS DIGS	Close-Out	11/6/2014	1/21/2015	4/3/2015	1/31/2015	N	N	N	262	3,189	2,450,821	2,450,821		N/A		N/A	Local Trans-south-Peninsula-Santa Clara County
270	Expense	Base	Y	37162	42311407	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-101 MP 11.62-33.68 ILI & ANALYSIS SHOR	Close-Out	9/19/2014	2/27/2015	4/9/2015	3/25/2015	N	N	N	7,855	19,483	2,332,761	2,332,761		N/A		N/A	Local Trans-south-Peninsula-Santa Clara County
271	Expense	Base	Y	37165	42311411	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	2015 ILI IMMEDIATE DIGS	Close-Out	2/6/2015	2/12/2015	3/3/2015	2/15/2015	N	N	N	16,574	39,156	398,356	398,356		N/A		N/A	Systemwide-Systemwide-Multiple Counties
272	Expense	Base	Y	37190	42316222	HP	CGT Balancing Accoun	HPH	Long Term Integrity	5023829-HPH	TIMP P&M MEASURES	Construction	1/1/2015	1/1/2015	12/31/2020	12/31/2020	N	Y	N	198,484	347,155	719,879	719,879		N/A		N/A	Systemwide-Systemwide-Multiple Counties
273	Expense	Base	Y	37365	42322252	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	T-1089 DREG3831 MP 0.0-0.009 TEST (TS)	Close-Out	2/19/2015	8/17/2015	9/9/2015	9/3/2015	N	N	N	15,509	31,314	576,738	576,738		N/A		N/A	Local Trans-north-North Coast-ukiah-Mendocino Coun
274	Expense	Base	Y	37570	42453457	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-132 L-119B MP 0.00 -10.17 PIG/ANALYSIS	Close-Out	11/16/2015	7/15/2016	8/3/2016	11/15/2016	N	N	Y	761 195	1 501 612	1 516 869	1 529 869		N/A		N/A	Systemwide-Systemwide-Sacramento County
275	Expense	Base	Y	37573	42453000	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-300B MP 393.76 - 450.79 ILI RE-INSPEC	Close-Out	10/8/2015	6/20/2016	9/22/2016	7/22/2016	N	N	Y	2,484,994	2,772,869	2,779,830	3,379,830		N/A		N/A	Systemwide-Systemwide-Multiple Counties
276	Expense	Base	Y	37574	42453459	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-215 MP 0 - 20.05 PIGGING & ANALYSIS	Construction	8/8/2015	9/1/2015	9/8/2017	9/8/2017	N	Y	N	84,547	131,937	158,021	1,658,021		N/A		N/A	Systemwide-Systemwide-Stanislaus County
277	Expense	Base	Y	37575	42453454	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-131 L-124A MP 0 - 26.27 RE-INSPECTION	Estimation	12/2/2015	1/17/2017	1/2/2018	8/30/2017	N	Y	N	332,400	1,436,220	1,481,743	3,289,911		N/A		N/A	Systemwide-Systemwide-Placer County
278	Expense	Base	Y	37577	42591803	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-0617-03/06/07/08 ILI INSPECTION	Engineering/Permitting	10/1/2015	5/1/2017	11/20/2017	7/22/2017	N	Y	N	109 954	877 812	895 646	2 560 741		N/A		N/A	Systemwide-Systemwide-Sacramento County
279	Expense	Base	Y	37579	42453803	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-139 L-107 MP 26.61- 38.12 PIG & ANALYS	Engineering/Permitting	10/27/2016	8/10/2017	1/13/2018	10/17/2017	Y	Y	N	12,451	17,517	17,517	1,517,517		N/A		N/A	Systemwide-Systemwide-Alameda County
280	Expense	Base	Y	37580	42453458	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-134 L-132A MP 0 - 1.49 PIG & ANALYSI	Estimation	8/18/2015	7/31/2017	12/21/2017	10/8/2017	N	Y	N	124,227	192,082	192,082	1,944,013		N/A		N/A	Systemwide-Systemwide-Santa Clara County
281	Expense	Base	Y	37581	42453800	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-136 L-108 MP 51.79 -73.58 PIG/ANALYSIS	Estimation	12/1/2015	4/24/2017	9/5/2017	5/9/2017	N	Y	N	2,732,372	2,999,969	3,006,062	3,805,901		N/A		N/A	Systemwide-Systemwide-Sacramento County
282	Expense	Base	Y	37583	42361620	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-300A MP 299-352 DIRECT EXAM & REPAIR	Close-Out	4/1/2015	5/9/2016	6/29/2016	5/13/2016	N	N	N	1 391 219	1 782 205	1 818 324	2 453 324		N/A		N/A	Kettleman-Kern County
283	Expense	Base	Y	37586	42466229	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-21D MP 18.64 - 31.81 DIRECT EXAM & REP	Estimation	8/31/2015	3/20/2017	4/22/2017	3/28/2017	N	Y	N	-61,240	244,930	274,016	1,369,185		N/A		N/A	Systemwide-Systemwide-Sonoma County
284	Expense	Base	Y	37629	42557589	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-2(S) MP 43.45 - 118.2 DIRECT EXAM & R	Close-Out	10/27/2015	10/17/2016	10/31/2016	10/24/2016	N	N	Y	3,827,000	4,535,154	4,591,398	4,625,320		N/A		N/A	Systemwide-Systemwide-Fresno County
285	Expense	Base	Y	37631	42369875	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-401 MP 82.34 - 149.19 DIRECT EXAM & RE	Close-Out	3/16/2015	11/17/2015	12/1/2015	11/23/2015	N	N	N	339,003	682,552	1,302,956	1,302,956		N/A		N/A	Local Trans-north-North Valley-Shasta County
286	Expense	Base	Y	37679	8162255	HP	CGT Balancing Accoun	HPA	Integrity Manage Oth	5019013-HPA	IM SOFTWARE - MARINER	Construction	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	152,408	274,751	443,495	443,495		N/A		N/A	Systemwide-Systemwide-Multiple Counties
287	Expense	Base	Y	37692	42329868	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC15-153-2 ENG	Close-Out	2/1/2015	5/5/2015	8/15/2015	3/4/2016	N	N	N	489	13,492	472,731	472,731		N/A		N/A	Systemwide-Systemwide-Alameda County
288	Expense	Base	Y	37693	42329871	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-153-2 DIGS	Close-Out	9/17/2015	10/28/2015	12/8/2015	11/4/2015	N	N	N	30,390	527,273	1,413,407	1,413,407		N/A		N/A	Systemwide-Systemwide-Alameda County
289	Expense	Base	Y	37798	42453802	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-111E SP-5 / L-191 MP 0 - 5.78 PIG & AN	Construction	8/18/2015	12/12/2016	6/24/2017	4/7/2017	N	Y	N	1,118,091	1,430,788	1,430,921	1,760,921		N/A		N/A	Systemwide-Systemwide-Contra Costa County
290	Expense	Base	Y	37799	42338537	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	T-1099 DFM 0813-01&02 MP 0.0-0.30 TEST (	Close-Out	2/24/2015	8/31/2015	12/5/2015	11/10/2015	N	N	N	-33,971	102,330	1,833,068	1,837,568		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
291	Expense	Base	Y	37802	42453001	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-100 MP 138.43-150.13 ILI RE-INSPECTION	Construction	10/8/2015	7/13/2016	7/18/2017	3/19/2017	N	Y	N	712,636	865,144	890,379	1,490,379		N/A		N/A	Systemwide-Systemwide-Santa Clara County
292	Expense	Base	Y	37842	84000742	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-8805-03 MP 0.00-5.4 NON-TRADTL ILI	Construction	2/1/2016	2/1/2016	12/31/2018	12/31/2018	N	Y	N	149	4,195	4,195	704,195		N/A		N/A	Systemwide-Systemwide-Santa Clara County
293	Expense	Base	Y	37868	42344210	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-132 MP 44.98-45.32 DIRECT EXAM & REP	Close-Out	2/19/2015	10/6/2016	11/21/2016	10/26/2016	N	N	Y	458,580	540,712	569,617	578,117		N/A		N/A	Milpitas/hollister-Santa Clara County
294	Expense	Base	Y	38104	42356220	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-095F L-101 MP 44.49-44.60 CASED ILI	Close-Out	12/4/2014	4/6/2015	12/1/2015	4/28/2015	N	N	N	367	16,654	423,416	423,416		N/A		N/A	Systemwide-Systemwide-San Mateo County
295	Expense	Base	Y	38305	42453801	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-137 L-131 MP 24.88-50.57 ILI RE-INSPEC	Close-Out	12/15/2015	5/6/2016	7/29/2016	5/17/2016	N	N	Y	253,132	1,246,489	1,251,899	1,251,899		N/A		N/A	Systemwide-Systemwide-Alameda County
296	Expense	Base	Y	38437	P.09509	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-101 MP 33.97-44.61 Cased Pipe ILI WBS	Close-Out	12/4/2014	4/7/2015	12/1/2015	10/21/2015	N	N	N	138,199	490,040	7,552,060	7,552,060		N/A		N/A	Systemwide-Systemwide-San Mateo County
297	Expense	Base	Y	38699	42372595	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	057A-MD1 MP 0.616-0.91 NON-TRAD ILI 2015	Close-Out	4/16/2015	7/8/2015	9/18/2015	8/22/2015	N	N	N	2,979	-28,670	725,714	725,714		N/A		N/A	Mcdonald Island
298	Expense	Base	Y	38760	42378422	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-107 NT 2015 ILI VARIOUS MPS	Close-Out	5/4/2015	6/16/2015	9/14/2015	7/24/2015	N	N	N	8,100	24,161	1,858,424	1,858,424		N/A		N/A	Milpitas/hollister-Santa Clara County
299	Expense	Base	Y	38819	42376888	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	2015 UPDATE TO SYSTEM-WIDE PIGGABILITY	Construction	5/1/2015	5/1/2015	1/28/2017	1/28/2017	N	Y	N	60 997	104 699	711 170	711 170		N/A		N/A	Systemwide-Systemwide
300	Expense	Base	Y	38871	42379555	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-300B MP 299-355 ILI DE 2015	Close-Out	5/1/2015	10/8/2015	11/19/2015	10/27/2015	N	N	N	109,891	161,333	1,339,152	1,339,152		N/A		N/A	Milpitas/hollister-Multiple Counties
301	Expense	Base	Y	39257	42395147	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC16-181 ENG	Close-Out	8/10/2015	12/7/2015	4/8/2016	11/4/2016	N	N	N	19,114	573,961	902,254	902,254		N/A		N/A	Systemwide-Systemwide-Multiple Counties
302	Expense	Base	Y	39262	42395155	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC16-300-2 ENG	Close-Out	8/10/2015	9/20/2016	9/21/2016	11/21/2016	N	N	Y	75,169	196,986	516,726	516,726		N/A		N/A	Systemwide-Systemwide-Multiple Counties

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
303	Expense	Base	Y	39264	42395157	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC16-300-4 ENG	Close-Out	8/10/2015	2/15/2016	7/28/2016	11/14/2016	N	N	Y	20,845	306,366	389,426	389,426		N/A		N/A	Systemwide-Systemwide-Multiple Counties
304	Expense	Base	Y	39278	42398975	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-148 DIGS	Close-Out	8/13/2015	3/14/2016	4/1/2016	3/18/2016	N	N	N	11,617	312,063	327,602	327,602		N/A		N/A	Systemwide-Systemwide-Multiple Counties
305	Expense	Base	Y	39279	42398976	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-301 DIGS	Close-Out	8/13/2015	5/20/2016	6/30/2016	6/7/2016	N	N	N	26 962	1 822 646	1 877 150	1 877 150		N/A		N/A	Systemwide-Systemwide-Multiple Counties
306	Expense	Base	Y	39282	42398977	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-302 DIGS	Close-Out	5/4/2015	1/8/2016	5/5/2016	2/16/2016	N	N	N	71,643	626,033	1,124,905	1,124,905		N/A		N/A	Systemwide-Systemwide-Multiple Counties
307	Expense	Base	Y	39283	42398979	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-304 DIGS	Close-Out	5/4/2015	9/9/2015	10/8/2015	9/19/2015	N	N	N	6,248	32,687	442,664	442,664		N/A		N/A	Systemwide-Systemwide-Multiple Counties
308	Expense	Base	Y	39355	8162778	HP	CGT Balancing Accoun	HPA	Integrity Manage Oth	5019013-HPA	HCA ANALYSIS	Construction	5/28/2015	7/1/2015	TBD	TBD	N	Y	N	599,880	1,333,286	2,282,467	2,282,467		N/A		N/A	Systemwide-Systemwide-Multiple Counties
309	Expense	Base	Y	39358	42409154	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	ID-57-1 - L-303 IMMEDIATE DIG	Close-Out	4/30/2015	6/1/2015	6/12/2015	5/13/2015	N	N	N	111	210	295 354	295 354		N/A		N/A	Local Trans-north-Diablo-Contra Costa County
310	Expense	Base	Y	39551	P.10733	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	DFM 1816-50 MP 0.00-1.02 TEST T-1039	Close-Out	8/26/2014	6/26/2015	11/25/2015	7/24/2015	N	N	N	7,690	-13,004	2,784,976	2,784,976		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
311	Expense	Base	Y	39590	P.10729	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	DFM 0609-02 MP 0.002-0.624 TEST T-1025	Close-Out	8/21/2014	7/21/2016	10/25/2016	9/29/2016	N	N	Y	1,942,127	2,019,623	2,139,780	2,139,780		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
312	Expense	Base	Y	39687	42417025	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-625 L21E MP 84.31 ILI CUT OUT 2015	Close-Out	7/1/2015	7/1/2015	4/14/2016	4/14/2016	N	N	N	11,794	372,893	462,797	472,797		N/A		N/A	Local Trans-north-North Coast-santa Rosa-Sonoma Co
313	Expense	Base	Y	39697	42417513	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC17-0617-06 ENG	Close-Out	1/15/2016	10/31/2016	12/1/2016	1/31/2017	N	N	Y	422 081	491 753	491 835	491 835		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
314	Expense	Base	Y	39703	42418131	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC16-148 ENG	Close-Out	8/10/2015	12/3/2015	7/29/2016	11/15/2016	N	N	Y	214,081	723,335	921,297	921,297		N/A		N/A	Local Trans-south-Yosemite-Stanislaus County
315	Expense	Base	Y	39987	42421713	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-172C DIGS	Close-Out	10/2/2015	10/30/2015	11/25/2015	11/5/2015	N	N	N	2,420	-15,209	522,465	522,465		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
316	Expense	Base	Y	40055	42453002	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-130 2016 0617-06/0617-14 PIG/ANALYSIS	Close-Out	11/30/2015	1/6/2016	7/1/2016	1/26/2016	N	N	Y	15,207	1,075,415	1,187,882	1,193,882		N/A		N/A	Systemwide-Systemwide-Sacramento County
317	Expense	Base	Y	40208	42426266	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-142N NT ILI DIRECT EXAM & REPAIR	Close-Out	7/16/2015	2/9/2016	3/9/2016	2/23/2016	N	N	N	7,879	487,545	524,950	524,950		N/A		N/A	Local Trans-south-Kern-bakersfield-Kern County
318	Expense	Base	Y	40211	42426949	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-628 L-316-2 MP 1.16 ILI CUT OUT 2015	Engineering/Permitting	7/15/2015	8/7/2017	9/6/2017	8/22/2017	N	Y	N	66,780	116,230	146,120	772,124		N/A		N/A	Los Medanos-Diablo-Contra Costa County
319	Expense	Base	Y	40214	42426270	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-627 L-300A MP 449.67 ILI REPLACEMENT	Close-Out	7/1/2015	7/1/2015	9/14/2016	9/14/2016	N	N	Y	555,103	606,107	667,843	697,843		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
320	Expense	Base	Y	40225	42428159	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	TS-1113 DREG4731 MP 0.00989-0.01598	Close-Out	7/15/2015	1/25/2016	4/8/2016	4/4/2016	N	N	N	15,925	646,417	738,398	753,398		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
321	Expense	Base	Y	40325	42435819	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC16-021C ENG	Close-Out	8/10/2015	3/21/2016	8/11/2016	11/23/2016	N	N	Y	62,989	447,672	530,992	530,992		N/A		N/A	Local Trans-north-North Coast-santa Rosa-Sonoma Co
322	Expense	Base	Y	40329	42435151	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-109-3 MP 40.35-40.73 NT ILI 2015	Close-Out	9/17/2015	2/29/2016	10/27/2016	3/30/2016	N	N	Y	52,842	1,876,437	1,948,240	1,948,240		N/A		N/A	Systemwide-Systemwide-Multiple Counties
323	Expense	Base	Y	40783	42466821	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-101 MP 35.48 ILI IMMEDIATE DE 2015	Close-Out	9/4/2015	9/9/2015	2/1/2016	9/17/2015	N	N	N	5,302	95,345	612,375	612,375		N/A		N/A	Systemwide-Systemwide-Multiple Counties
324	Expense	Base	Y	40858	42481118	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-144 2015 NT ILI L-153 / L-153-2	Close-Out	10/1/2015	11/9/2015	2/24/2016	12/12/2015	N	N	N	-73,243	22,326	1,942,072	1,942,072		N/A		N/A	Systemwide-Systemwide-Alameda County
325	Expense	Base	Y	40869	42481730	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	DE15-1519-04 SEGMENT 107.2	Close-Out	10/13/2015	4/7/2016	5/27/2016	4/19/2016	N	N	N	183,896	479,719	496,420	496,420		N/A		N/A	Systemwide-Systemwide-Placer County
326	Expense	Base	Y	40966	42486407	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	L-300B MP 161.02-161.04 TEST	Close-Out	10/29/2015	2/26/2016	4/29/2016	4/4/2016	N	N	N	-67 916	3 460 299	3 509 345	3 509 345		N/A		N/A	Local Trans-south-Kern-San Bernardino County
327	Expense	Base	Y	40971	42487731	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-143 2015 NT ILI L-101 MP 42.15 - 42.45	Close-Out	9/28/2015	11/2/2015	1/20/2016	12/2/2015	N	N	N	12,728	-67,808	1,018,105	1,018,105		N/A		N/A	Systemwide-Systemwide-San Francisco County
328	Expense	Base	Y	41002	42487919	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-667 2015 L-132 MP 5.87 ILI REPLACEMEN	Close-Out	10/1/2015	11/16/2015	12/9/2015	11/30/2015	N	N	N	8,487	-39,678	1,169,744	1,173,244		N/A		N/A	Systemwide-Systemwide-Santa Clara County
329	Expense	Base	Y	41009	42489310	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	2015 NT ILI L-101 MP 40.81 - 40.83	Close-Out	9/25/2015	10/29/2015	1/27/2016	11/18/2015	N	N	N	23,604	-36,915	948,579	948,579		N/A		N/A	Systemwide-Systemwide-San Francisco County
330	Expense	Base	Y	41016	42489312	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-668 2015 L-300A MP 397.34 ILI PIPE RE	Close-Out	10/1/2015	12/7/2015	12/31/2015	12/16/2015	N	N	N	73 656	101 666	644 011	655 011		N/A		N/A	Kettleman-De Anza-Fresno County
331	Expense	Base	Y	41080	42559002	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-400 MP 82.33-142.61 ILI EMAT VAL DIGS	Close-Out	10/31/2015	1/11/2016	2/2/2016	1/18/2016	N	N	N	168,710	1,941,925	1,986,826	1,986,826		N/A		N/A	Willows-North Valley-Shasta County
332	Expense	Base	Y	41167	42567963	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-101 MP 44.24-44.61 NT ILI DE&R	Close-Out	11/3/2015	6/6/2016	10/21/2016	6/21/2016	N	N	Y	1,487,845	1,996,728	2,006,854	2,006,854		N/A		N/A	Milpitas/hollister-San Francisco-San Mateo County
333	Expense	Base	Y	41439	42584632	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-704 132 MP 4.36 ILI OFFSET REPLACMENT	Close-Out	10/7/2015	12/5/2015	1/22/2016	12/12/2015	N	N	N	39,979	144,324	1,557,853	1,563,853		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
334	Expense	Base	Y	41608	8170200	HP	CGT Balancing Accoun	HPL	Risk Management	5023852-HPK	RISK MANAGEMENT PROGRAM SUPPORT	Construction	12/22/2015	1/1/2016	12/31/2018	12/31/2018	N	Y	N	656 667	1 283 069	1 283 069	1 283 069		N/A		N/A	Systemwide-Systemwide-San Francisco County
335	Expense	Base	Y	41977	42596038	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	RT-709 L-147 MP 3.39 ILI ELBOW REPLACEME	Close-Out	12/1/2015	2/22/2016	4/15/2016	4/2/2016	N	N	N	639,082	2,273,741	2,276,594	2,285,594		N/A		N/A	Systemwide-Systemwide-San Mateo County
336	Expense	Base	Y	41999	42597992	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	EMERGENT NT ILI L-109 MP 7.5744 TO 7.605	Close-Out	12/28/2015	12/31/2015	1/16/2016	1/10/2016	N	N	N	-196,629	1,008,295	1,008,519	1,008,519		N/A		N/A	Systemwide-Systemwide-Santa Clara County
337	Expense	Base	Y	42009	84000705	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-208 L-116 MP 12.70-12.71 EMERGENT NT I	Close-Out	4/5/2016	7/11/2016	9/2/2016	8/25/2016	N	N	Y	2,298,824	2,350,138	2,350,138	2,365,138		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
338	Expense	Base	Y	42013	84000741	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-212 L-105N MP 27.38-28.13 NT ILI EX	Engineering/Permitting	12/1/2015	3/10/2017	10/11/2018	9/26/2018	N	Y	N	37,883	49,022	49,022	1,261,369		N/A		N/A	Systemwide-Systemwide-Alameda County
339	Expense	Base	Y	42014	84000743	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-1402-01 MP 0.0-0.34 NT ILI	Close-Out	12/1/2015	6/6/2016	7/18/2016	7/9/2016	N	N	Y	721,746	1,287,669	1,287,669	1,287,669		N/A		N/A	Systemwide-Systemwide-San Francisco County
340	Expense	Base	Y	42038	84000744	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-215 L-0140-01 MP 0.0-0.86 NT ILI	Construction	4/6/2016	12/30/2016	2/7/2017	1/14/2017	N	Y	N	152,790	166,240	166,240	2,570,171		N/A		N/A	Systemwide-Systemwide-Alameda County
341	Expense	Base	Y	42145	42608664	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-714 L-132 MP 1.0-3.52 IMM. ILI DE & R	Close-Out	1/13/2016	1/15/2016	1/28/2016	1/23/2016	N	N	N	198,683	4,950,094	4,950,094	4,969,094		N/A		N/A	Systemwide-Systemwide-Santa Clara County
342	Expense	Base	Y	42270	84001020	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	L-109 MP 45.16-52.71 TEST T-1141	Close-Out	3/18/2016	7/13/2016	12/2/2016	9/1/2016	N	N	Y	9,432,792	9,697,195	9,697,195	10,016,493		N/A		N/A	Local Trans-south-San Francisco-San Francisco Coun
343	Expense	Base	Y	42407	42643004	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	2016 ILI IMMEDIATE DFM-0617-06/-14	Close-Out	1/19/2016	3/2/2016	3/22/2016	3/5/2016	N	N	N	472,985	1,005,406	1,005,406	1,005,406		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
344	Expense	Base	Y	42453	42654658	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-765 2016 ILI CUTOUT DFM-0617-14 MP 0.	Close-Out	3/9/2016	3/9/2016	3/19/2016	3/18/2016	N	N	N	2,072	482,756	482,756	484,256		N/A		N/A	Systemwide-Systemwide-Sacramento County
345	Expense	Base	Y	42680	42665263	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	2016 ILI IMMEDIATES L-21D MP 29.89-30.00	Close-Out	3/28/2016	4/6/2016	4/29/2016	4/11/2016	N	N	N	16,888	390,461	390,461	390,461		N/A		N/A	Systemwide-Systemwide-Sonoma County
346	Expense	Base	Y	42706	42668375	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	2016 ILI IMMED L-153/153-2 MP 25.98/0.03	Close-Out	3/23/2016	4/1/2016	5/19/2016	4/10/2016	N	N	N	46,731	1,713,358	1,713,358	1,713,358		N/A		N/A	Systemwide-Systemwide-Contra Costa County
347	Expense	Base	Y	42783	42681288	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	RT-816 L-132 MP 8.2 MFL TOOL EXTRACTION	Close-Out	4/20/2016	4/21/2016	6/13/2016	4/28/2016	N	N	N	89,382	1,053,042	1,053,042	1,069,042		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
348	Expense	Base	Y	42944	42705435	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	RT-830 L-119B TOOL EXTRACTION AT MP 5.52	Close-Out	5/23/2016	5/23/2016	7/15/2016	6/30/2016	N	N	Y	342,852	980,975	980,975	989,975		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
349	Expense	Base	Y	9769	40754801	JT	GT Reliability & Gen	JTY	JTG Safety Work	5036929-COMPRESSOR RENTALS , LEASES , AGREEMENTS	DELEVAN ""K-3"" EXTENDED SERVICE AGREEMENT	Close-Out	11/1/2000	11/1/2000	10/28/2017	10/28/2017	N	Y	N	-31,516	-31,516	1,652,229	1,652,229		N/A		N/A	Willows
350	Expense	Base	Y	9880	40754885	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	TIONESTA K1 GAS GENERATOR OVERHAUL	Close-Out	1/21/2015	12/14/2015	12/17/2015	12/16/2015	N	N	N		-3,941	803,197	803,197		N/A		N/A	Burney
351	Expense	Base	Y	9885	40754886	JT	GT Reliability & Gen	JTY	JTG Safety Work	5036930-COMPRESSOR OVERHAULS & INSPECTIONS	TIONESTA K1 GG MID-LIFE INSPECTION	Close-Out	12/19/2005	3/1/2013	10/28/2017	10/28/2017	N	N	N			636 436	641 436		N/A		N/A	Burney
352	Expense	Base	Y	10466	40754803	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	KETTLEMAN SOLAR SERVICE CONTRACT	Construction	6/13/2001	7/1/2002	11/28/2017	11/28/2017	N	N	N			735,551	895,732		N/A		N/A	Kettleman-Fresno
353	Expense	Base	Y	13416	40754805	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	GERBER K-1 EXTENDED SERV AGREEMENT	Close-Out	9/12/2002	10/1/2002	12/31/2014	12/31/2014	N	N	N		3,425	321,861	331,861		N/A		N/A	Willows
354	Expense	Base	Y	15122	40754866	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	MCDI K3/ K4/ K5 K6 GAS COMPR SERVICES	Close-Out	12/12/2005	1/1/2006	12/28/2016	12/28/2016	N	N	Y	21,148	39,209	12,043,808	12,043,808		N/A		N/A	Mcdonald Island-Diablo
355	Expense	Base	Y	15939	P.01801	JT	GT Reliability & Gen	JTB	General Pipe Repair	5023989-PIPELINE ROW ENCROACHMENTS	Program- Gas Gathering Expense WRO	Close-Out	1/13/2005	2/1/2008	4/14/2008	4/14/2008	N	N	N	1 774	2 068	233 553	233 553		N/A		N/A	Meridian-North Valley
356	Expense	Base	Y	15968	40754817	JT	GT Reliability & Gen	JTB	General Pipe Repair	5017904-GT EMERG & UNFORESEEN PL REPAIR	MISC. GAS GATHERING EXPENSE ACTIVITIES	Close-Out	1/13/2005	3/1/2005	12/31/2015	12/31/2015	N	N	N		844	376,833	376,833		N/A	2015	N/A	Systemwide-Systemwide
357	Expense	Base	Y	16782	2026125	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5032111-M&C STATION WORK EXCEPT ECA	CGT GAS MEASUREMENT	Close-Out	4/1/2005	4/1/2005	1/28/2017	1/28/2017	N	Y	N	33,996	86,190	8,988,429	8,988,429		N/A		N/A	Systemwide-Systemwide-Multiple Counties
358	Expense	Base	Y	16910	40754924	JT	GT Reliability & Gen	JTY	JTG Safety Work	5036930-COMPRESSOR OVERHAULS & INSPECTIONS	LOS MEDANOS K1 ANNUAL MAINT 2013/2014	Close-Out	6/18/2013	7/1/2013	3/1/2014	3/1/2014	N	N	N			1,145,435	1,145,435		N/A		N/A	Los Medanos-Diablo
359	Expense	Base	Y	16917	40754920	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	MCDI K1/K2 ANNUAL MAINTENANCE 2014/2015	Close-Out	3/1/2014	12/15/2014	4/10/2015	3/31/2015	N	N	N	3 644	28 209	491 521	491 521		N/A		N/A	Mcdonald Island-Stockton
360	Expense	Base	Y	17127	40754936	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	SANTA CRUZ - COMPRESSOR LEASE	Close-Out	10/13/2005	1/1/2006	12/31/2016	12/31/2016	N	N	Y	14,604	48,232	390,205	390,205		N/A		N/A	Local Trans-south-Central Coast
361	Expense	Base	Y	17673	P.04278	JT	GT Reliability & Gen	JTZ	Wells	5024970-ANNUAL STORAGE WELLS WIRE LINE SURVEY	Ugs Storage Well Casing Integrity Survey	Close-Out	2/1/2013	2/1/2013	11/30/2013	11/30/2013	N	N	N	827	827	1,464,289	1,464,289		N/A		N/A	Mcdonald Island-Diablo-San Joaquin County
362	Expense	Base	Y	18434	40755080	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM 2403-01 UPRATE 3 MILES, NILES	Close-Out	1/19/2011	3/30/2015	5/23/2015	5/4/2015	N	N	N	117,450	152,668	2,719,970	2,719,970		N/A		N/A	Local Trans-north-Mission
363	Expense	Base	Y	18590	40755125	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	0617-06 UPRATE- EL DORADO HILLS -EXP	Close-Out	6/14/2007	10/1/2007	11/23/2016	11/23/2016	N	N	Y	108 755	166 000	239 678	239 678		N/A		N/A	Local Trans-north-Sierra
364	Expense	Base	Y	18884	40757648	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	MCDI K7/ K8/ K9 GAS COMPRESSION SVS	Construction	10/1/2008	10/1/2008	12/28/2017	12/28/2017	N	Y	N	613,266	1,353,762	11,371,109	11,371,109		N/A		N/A	Mcdonald Island-Diablo
365	Expense	Base	Y	19761	41018693	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	CONTROL SYS SOFTWARE MANAGEMENT SYSWIDE	Engineering/Permitting	10/19/2011	12/1/2011	12/30/2017	12/30/2017	N	Y	N	70,768	163,007	514,619	3,000,364		N/A		N/A	Systemwide-Systemwide
366	Expense	Base	Y	19965	41017563	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM0643-01 MP0.0 - 0.8 CAPACITY-ARBUCKLE	Close-Out	1/15/2009	8/22/2013	10/9/2013	10/2/2013	N	N	N	7,526	7,526	628,292	628,292		N/A		N/A	Local Trans-north-Sierra
367	Expense	Base	Y	20673	41472005	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	KETTLEMAN-CATALYST REPLACEMENT PROGRAM	Estimation	3/1/2014	4/1/2014	6/28/2017	6/28/2017	N	N	N			2,207	92,891		N/A		N/A	Kettleman-Fresno-Fresno County
368	Expense	Base	Y	20835	41471917	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM-8807-01 MP 0.00-5.08 TEST T-283	Close-Out	1/27/2010	5/29/2015	10/6/2015	8/1/2015	N	N	N	13,154	326,163	6,919,965	6,919,965		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
369	Expense	Base	Y	21734	41182926	JT	GT Reliability & Gen	JT1	PMO_Engineering Supp	5022450-GT PAINTING & COATING MAINTENANCE	GT GATHERING, COMMON, SUPPORT	Construction	1/1/2010	1/1/2010	12/28/2020	12/28/2020	N	Y	N	77,337	116,182	910,617	1,411,617		N/A		N/A	Systemwide-Systemwide
370	Expense	Base	Y	21740	41182973	JT	GT Reliability & Gen	JT1	PMO_Engineering Supp	5022450-GT PAINTING & COATING MAINTENANCE	GT STORAGE, COMMON, SUPPORT	Construction	1/1/2010	1/1/2010	12/28/2020	12/28/2020	N	Y	N	6,938	10,287	187,898	387,898		N/A		N/A	Systemwide-Systemwide
371	Expense	Base	Y	21749	41183012	JT	GT Reliability & Gen	JT1	PMO_Engineering Supp	5022450-GT PAINTING & COATING MAINTENANCE	GT L400, COMMON, SUPPORT	Construction	1/1/2010	1/1/2010	12/28/2020	12/28/2020	N	Y	N	28,250	61,222	501,811	759,811		N/A		N/A	Systemwide-Systemwide
372	Expense	Base	Y	21816	8100465	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	DAILY MONTHLY MAINT. ON GT&D SYSTEMS	Construction	2/11/2010	3/1/2010	12/28/2018	12/28/2018	N	N	N			278,948	346,948		N/A		N/A	Systemwide-Systemwide-Multiple Counties
373	Expense	Base	Y	21977	41183201	JT	GT Reliability & Gen	JT1	PMO_Engineering Supp	5022450-GT PAINTING & COATING MAINTENANCE	GT LOCAL TRANS, COMMON, SUPPORT	Construction	1/1/2010	1/1/2010	12/31/2022	12/31/2022	N	Y	N	925,992	1,854,849	10,692,488	19,392,488		N/A		N/A	Systemwide-Systemwide
374	Expense	Base	Y	21985	41183004	JT	GT Reliability & Gen	JT1	PMO_Engineering Supp	5022450-GT PAINTING & COATING MAINTENANCE	GT L300, COMMON, SUPPORT	Construction	1/1/2010	1/1/2010	12/28/2020	12/28/2020	N	Y	N	44,272	44,272	276,746	440,746		N/A		N/A	Hinkley
375	Expense	Base	Y	22187	41345843	JT	GT Reliability & Gen	JTY	JTG Safety Work	5017906-GT EMERG & UNFORESEEN OTH EXP SPEC PROJ	GREENHOUSE GAS REPORTING (AB32 CFR40)	Construction	7/1/2010	7/1/2010	12/31/2017	12/31/2017	N	Y	N	207,423	256,958	1,656,678	2,157,008		N/A		N/A	Systemwide-Systemwide-Multiple Counties
376	Expense	Base	Y	23877	P.05369	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM-1815-02 TEST 10.02MI MP7.23-14.75WBS	Close-Out	11/22/2013	5/18/2015	7/24/2015	7/2/2015	N	N	N	74 703	104 414	6 922 016	6 922 016		N/A	2011P	N/A	Local Trans-south-Central Coast-Monterey County
377	Expense	Base	Y	24304	41486583	JT	GT Reliability & Gen	JT4	Shallow Pipe	5022450-GT PAINTING & COATING MAINTENANCE	RT-102 LINE 177A MP 191.67 EROSION MIT	Close-Out	5/12/2011	6/1/2011	9/12/2016	9/12/2016	N	N	Y	29,409	62,430	563,364	1,221,447		N/A		N/A	Local Trans-north-North Coast-eureka-Trinity Count
378	Expense	Base	Y	24579	8119657	JT	GT Reliability & Gen	JT7		5036889-PHYSICAL SECURITY	SYSTEMWIDE SECURITY SYS CONTRACTED MTC	Close-Out	1/5/2012	2/1/2012	12/31/2015	12/31/2015	N	N	N	-9,181	-20,540	774,961	774,961		N/A		N/A	Systemwide-Systemwide-Multiple Counties
379	Expense	Base	Y	25017	41526068	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	REQUIREMENTS MATRIX DEVELOPMENT	Close-Out	8/17/2011	10/1/2011	3/28/2014	3/28/2014	N	N	N			1,377,627	1,377,627		N/A	2015	N/A	Local Trans-Systemwide-San Mateo County
380	Expense	Base	Y	25561	41637288	JT	GT Reliability & Gen	JTY	JTG Safety Work	5036930-COMPRESSOR OVERHAULS & INSPECTIONS	BETHANY K2 MOTOR ROTOR AND SPARE REPAIR	Close-Out	1/1/2012	1/1/2012	12/15/2012	12/15/2012	N	N	N	2 845	2 845	268 157	268 157		N/A		N/A	Tracy-Diablo-San Joaquin County
381	Expense	Base	Y	26457	41669462	JT	GT Reliability & Gen	JTD	Pipeline Other	5024010-GT PIPELINE OTHER	RT-134 L105X PURGE ABANDONED GAS LINE	Close-Out	3/26/2012	4/1/2012	6/19/2015	6/19/2015	N	N	N	3,630	10,534	467,491	467,491		N/A		N/A	Local Trans-north-Mission-Alameda County
382	Expense	Base	Y	26494	42065022	JT	GT Reliability & Gen	JT0		5028432-EP & PA TIMP 2015	PSIP PUBLIC SAFETY AWARENESS PROG	Close-Out	1/1/2014	1/1/2014	1/28/2017	1/28/2017	N	Y	N	387,744	1,030,331	5,617,925	5,617,925		N/A		N/A	Systemwide-Systemwide-Multiple Counties
383	Expense	Base	Y	26529	41960406	JT	GT Reliability & Gen	JTK	Vegetation Manage Pr	5018994-VEGETATION MGMT - ROUTINE	GAS TRANSMISSION VEGETATION MAINTENANCE	Construction	10/1/2013	10/1/2013	12/28/2021	12/28/2021	N	Y	N	1,573,161	2,631,492	3,274,364	38,688,824		N/A		N/A	Systemwide-Systemwide
384	Expense	Base	Y	26531	41669461	JT	GT Reliability & Gen	JTB	General Pipe Repair	5024010-GT PIPELINE OTHER	OCG PROPERTY DISPENSATION ENRICO STATIO	Close-Out	9/19/2011	8/3/2013	4/16/2014	8/8/2013	N	N	N	750	1 165	534 226	534 226		N/A		N/A	Local Trans-north-Mission-Alameda County
385	Expense	Base	Y	26559	P.04338	JT	GT Reliability & Gen	JTI	Gas Msurmnt and Chro	5017899-GT EMERG & UNFORESEEN PERMITS AND FEES	SYSTEMWIDE - BECKER CONTROLS UPGRADE	Close-Out	3/1/2012	3/1/2012	11/28/2016	11/28/2016	N	N	Y	-65		2,774,467	2,774,467		N/A		N/A	Systemwide-Systemwide-Multiple Counties
386	Expense	Base	Y	26680	41889249	JT	GT Reliability & Gen	JTY	JTG Safety Work	5036930-COMPRESSOR OVERHAULS & INSPECTIONS	TOPOCK K3 ENGINE OVERHAUL	Close-Out	4/1/2013	4/1/2013	4/28/2016	4/28/2016	N	N	N	5,198	5,555	428,624	428,624		N/A		N/A	Topock-Kern-San Bernardino County
387	Expense	Base	Y	26899	8120628	JT	GT Reliability & Gen	JTQ	HCA / Class Location	5023401-GT CLASS LOCATION-YO	CLASS LOCATION STUDY	Construction	4/1/2012	4/1/2012	1/1/2018	1/1/2018	N	Y	N	263,432	893,789	10,715,356	12,815,356		N/A		N/A	Systemwide-Systemwide-Multiple Counties
388	Expense	Base	Y	26919	41668974	JT	GT Reliability & Gen	JTB	General Pipe Repair	5017904-GT EMERG & UNFORESEEN PL REPAIR	L131 MP-45.07 REPAIR LEAK	Close-Out	4/1/2012	4/1/2012	11/27/2013	11/27/2013	N	N	N			384,411	384,411		N/A		N/A	Milpitas/hollister-Mission-Alameda County
389	Expense	Base	Y	27601	41700319	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	R-354 L137B MP 0.68 EROSION MITIGATION	Close-Out	6/1/2012	6/1/2012	12/23/2016	12/23/2016	N	N	Y	52,229	62,799	146,531	305,329		N/A		N/A	Local Trans-north-North Coast-eureka-Humboldt Coun
390	Expense	Base	Y	28434	41756015	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	L-147 MP 2.29 20"" LEAK REPAIR BRITTAN AV	Close-Out	10/1/2012	10/1/2012	11/17/2012	11/17/2012	N	N	N	8,887	8,887	422,921	422,921		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
391	Expense	Base	Y	29126	41812494	JT	GT Reliability & Gen	JTJ	GT Information Techn	5017899-GT EMERG & UNFORESEEN PERMITS AND FEES	PRIMAVERA ONGOING MAINTENANCE EXPENSE	Construction	11/1/2012	11/1/2012	12/28/2018	12/28/2018	N	N	N			870,042	2,336,585		N/A		N/A	Systemwide-Systemwide-Multiple Counties
392	Expense	Base	Y	29171	41815401	JT	GT Reliability & Gen	JTB	General Pipe Repair	5017904-GT EMERG & UNFORESEEN PL REPAIR	L314- MP 22.8,23.3 AND 26.35 LEAK REPAIR	Close-Out	11/1/2012	11/1/2012	12/3/2012	12/3/2012	N	N	N	4,683	8,843	694,903	697,903		N/A		N/A	Hinkley-Kern-bakersfield-San Bernardino County
393	Expense	Base	Y	29406	P.04338	JT	GT Reliability & Gen	JTI	Gas Msurmnt and Chro	5017899-GT EMERG & UNFORESEEN PERMITS AND FEES	SYSTEMWIDE-BECKER CONTROLS UPGRADE 2013	Close-Out	1/1/2013	1/1/2013	12/15/2014	12/15/2014	N	N	N	-2,267	7,336	783,384	783,384		N/A		N/A	Systemwide-Systemwide-Multiple Counties
394	Expense	Base	Y	29697	P.10732	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-109 MP 2.82-2.86 TEST T-402	Close-Out	2/1/2013	2/1/2013	6/29/2015	6/29/2015	N	N	N	2,657	2,783	345,163	345,163		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
395	Expense	Base	Y	30104	41872666	JT	GT Reliability & Gen	JTD	Pipeline Other	5024010-GT PIPELINE OTHER	L-108 SYSTEM POTHOLE POWERPOLES	Close-Out	3/1/2013	10/2/2014	10/3/2014	10/2/2014	N	N	N	1,153	2,160	395,333	395,333		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
396	Expense	Base	Y	30175	41876399	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5032111-M&C STATION WORK EXCEPT ECA	GAS SAFETY EXC AND RATE CASE FOR M&C/C&P	Close-Out	4/1/2013	4/1/2013	1/28/2017	1/28/2017	N	Y	N	470,710	842,357	2,999,999	2,999,999		N/A		N/A	Systemwide-Systemwide-Multiple Counties
397	Expense	Base	Y	30231	42036824	JT	GT Reliability & Gen	JTY	JTG Safety Work	5026218-IN-SITU TESTING C&P-STOR LM/PC	LOS MEDANOS GENERATOR UPGRADES	Close-Out	1/23/2014	7/14/2014	8/22/2014	8/22/2014	N	N	N			96,371	96,371		N/A	2015	N/A	Los Medanos-Contra Costa County
398	Expense	Base	Y	30233	42047426	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5032111-M&C STATION WORK EXCEPT ECA	ANTIOCH TERM REXA CONTROL BOARDS	Close-Out	12/1/2013	12/1/2013	11/26/2014	11/26/2014	N	N	N	485	877	260,620	260,620		N/A		N/A	Los Medanos-Contra Costa County
399	Expense	Base	Y	30255	41991491	JT	GT Reliability & Gen	JTY	JTG Safety Work	5036930-COMPRESSOR OVERHAULS & INSPECTIONS	BURNEY LM1500 INSPECTION AND TEST RUN	Close-Out	11/21/2013	12/1/2013	7/28/2016	7/28/2016	N	N	Y	3,119	3,119	250,884	250,884		N/A		N/A	Burney-Shasta County
400	Expense	Base	Y	30316	41890180	JT	GT Reliability & Gen	JTA	Pipeline WRO Expense	5010516-WRO CONFLICTS N/S ANTIOCH TERM NEW ROAD	RT-081 L-200A11_5.4_L-200A12_5.36_L-200C	Close-Out	4/1/2013	4/1/2013	7/24/2015	7/24/2015	N	N	N	18,331	49,774	298,514	1,811,014		N/A		N/A	Rio Vista-Sacramento-Solano County
401	Expense	Base	Y	30446	41890052	JT	GT Reliability & Gen	JTB	General Pipe Repair	5017904-GT EMERG & UNFORESEEN PL REPAIR	L-109 MP 27.05 CANADA S/O HWY 92 LEAK	Close-Out	4/1/2013	4/1/2013	11/14/2013	11/14/2013	N	N	N	6 124	6 124	504 872	504 872		N/A		N/A	Milp tas/hollister-Peninsula-Santa Clara County
402	Expense	Base	Y	30648	41921576	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	L300A COLORADO RIVER BRIDGE STRUCTURE	Construction	4/15/2013	10/3/2016	4/22/2017	1/14/2017	N	Y	N	1,188,732	1,319,371	1,648,396	3,001,610		N/A		N/A	Topock-Kern-San Bernardino County
403	Expense	Base	Y	30707	P.10955	JT	GT Reliability & Gen	JT3	Fault Crossings	5023401-GT CLASS LOCATION-YO	2016 FAULT CROSSING STUDY	Close-Out	3/1/2016	3/1/2016	12/31/2016	12/31/2016	N	N	Y	98,532	278,344	278,344	278,344		N/A		N/A	Milpitas/hollister-Central Coast-Santa Clara Count
404	Expense	Base	Y	30724	42706443	JT	GT Reliability & Gen	JT3	Fault Crossings	5022450-GT PAINTING & COATING MAINTENANCE	303_18.50_FAULT CROSS STUDY	Construction	6/1/2016	6/1/2016	12/31/2017	12/31/2017	N	Y	N	46,692	52,283	52,283	472,283		N/A		N/A	Tracy-Diablo-Alameda County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
405	Expense	Base	Y	30728	42706442	JT	GT Reliability & Gen	JT3	Fault Crossings	5022450-GT PAINTING & COATING MAINTENANCE	131_27.14_FAULT CROSS STUDY	Construction	6/1/2016	6/1/2016	12/31/2017	12/31/2017	N	Y	N	26,958	31,503	31,503	451,503		N/A		N/A	Tracy-Diablo-Alameda County
406	Expense	Base	Y	30782	42188378	JT	GT Reliability & Gen	JT3	Fault Crossings	5022450-GT PAINTING & COATING MAINTENANCE	FAULT CROSSING PIPE DISPLACEMENT MONITOR	Close-Out	8/3/2015	11/16/2015	11/21/2015	12/8/2015	N	N	N	119,516	134,306	248,812	396,812		N/A		N/A	Systemwide-Systemwide
407	Expense	Base	Y	31313	42175065	JT	GT Reliability & Gen	JT4	Shallow Pipe	5022450-GT PAINTING & COATING MAINTENANCE	GENERAL SHALLOW PIPE EVAL & MITIGATION	Construction	3/1/2014	8/1/2014	12/31/2020	12/31/2020	N	Y	N	54 459	78 469	1 030 078	1 030 078		N/A		N/A	Systemwide-Systemwide-Santa Clara County
408	Expense	Base	Y	31493	42185352	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	LOS MEDANOS PUMP CONTROLS REWORK	Close-Out	1/20/2015	3/14/2016	11/26/2016	11/18/2016	N	N	Y	164,341	428,358	554,610	582,624		N/A		N/A	Los Medanos-Contra Costa County
409	Expense	Base	Y	31538	41948161	JT	GT Reliability & Gen	JTA	Pipeline WRO Expense	5010516-WRO CONFLICTS N/S ANTIOCH TERM NEW ROAD	L162A_MP7.46-8.83_SHALLOWCOVERASSESSMENT	Close-Out	9/1/2013	9/1/2013	3/16/2016	3/16/2016	N	N	N	3,132	5,162	559,824	559,824		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
410	Expense	Base	Y	32115	41978440	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	GT 131 MP-43.76 RPLC 16 FT OF 24-IN	Close-Out	11/1/2013	11/1/2013	4/29/2015	4/29/2015	N	N	N	2,884	6,261	323,090	323,090		N/A		N/A	Milpitas/hollister-Mission-Alameda County
411	Expense	Base	Y	32372	42038993	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	TCI WELD - VALIDATION PLANNING & DATA MG	Close-Out	12/2/2013	11/4/2014	11/11/2014	11/7/2014	N	N	N	4 387	14 484	2 578 069	2 718 069		N/A		N/A	Systemwide-Systemwide-Multiple Counties
412	Expense	Base	Y	32480	42091954	JT	GT Reliability & Gen	JT8		5010517-REPLACE REWORK EQUIPMENT	GAS QUALITY ANALYZER ASSESEMENTS	Close-Out	3/1/2014	3/1/2014	12/28/2016	12/28/2016	N	N	Y	22,205	25,906	319,522	319,522		N/A		N/A	Systemwide-Systemwide-Multiple Counties
413	Expense	Base	Y	32482	42101199	JT	GT Reliability & Gen	JT2	Water and Levee	5022450-GT PAINTING & COATING MAINTENANCE	GT L116,119A,172A LEVEE ROUTE ANALYSIS	Close-Out	3/3/2014	8/8/2014	10/2/2014	8/12/2014	N	N	N	76,358	28,975	1,344,218	1,344,218		N/A		N/A	Local Trans-north-Sac-vacadixon-Sacramento County
414	Expense	Base	Y	32948	P.10753	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-107 Uprate Irvington - Milpitas	Construction	8/1/2014	8/1/2014	8/22/2017	8/22/2017	N	Y	N	6,187	49,982	272,749	272,749		N/A		N/A	Milpitas/hollister-Mission-Santa Clara County
415	Expense	Base	Y	33144	42100627	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5032111-M&C STATION WORK EXCEPT ECA	SYSTEMWIDE - STATION HEALTH ASSES PH2	Close-Out	3/1/2014	4/1/2014	1/28/2017	1/28/2017	N	Y	N	522 478	1 046 859	2 420 320	2 420 320		N/A		N/A	Systemwide-Systemwide-Multiple Counties
416	Expense	Base	Y	33238	42096522	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	0806-01 N 1ST SAN JOSE MOP INCREASE	Close-Out	9/4/2014	12/10/2015	1/30/2016	1/30/2016	N	N	N	23,029	100,709	872,802	872,802		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
417	Expense	Base	Y	33383	84000401	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	R-621 L-300B MP 135.334-137.183 REPLACE	Engineering/Permitting	1/8/2015	8/29/2017	11/6/2017	10/13/2017	N	Y	N	58,396	477,468	662,270	19,795,267		N/A		N/A	Hinkley-San Bernardino County
418	Expense	Base	Y	33384	42405052	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	R-620 L-300B MP 143.304-144.07 REPLC	Estimation	1/8/2015	8/29/2017	11/6/2017	10/13/2017	N	Y	N	108,984	366,599	499,808	16,702,127		N/A		N/A	Hinkley-Kern-San Bernardino County
419	Expense	Base	Y	33405	42174701	JT	GT Reliability & Gen	JTR	Inoperable_Hard to T	5010515-PIPELINE REPAIR , ROW	L-300A MP 461.60 INOPERABLE TAP VALVE	Close-Out	9/1/2014	12/8/2014	2/10/2015	12/20/2014	N	N	N	6,266	11,125	259,746	259,746		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
420	Expense	Base	Y	33406	42113605	JT	GT Reliability & Gen	JTA	Pipeline WRO Expense	5010516-WRO CONFLICTS N/S ANTIOCH TERM NEW ROAD	L-300A MP 472 FRY S AIM GEOTECH ISSUES	Close-Out	9/29/2014	11/12/2014	3/17/2015	12/4/2014	N	N	N	59,111	52,671	3,692,683	3,734,683		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
421	Expense	Base	Y	33414	42113604	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	SYSTEMWIDE PIPELINE CONTROL SYSTEM SUPPO	Close-Out	6/4/2014	4/1/2014	12/31/2015	12/31/2015	N	N	N	2,249	643	922,236	922,236		N/A		N/A	Local Trans-Systemwide-Multiple Counties
422	Expense	Base	Y	33416	42334732	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	R-603 L-400 MP 154.77 CULVERT INSTALLATI	Construction	3/1/2015	3/1/2015	12/28/2017	12/28/2017	N	Y	N	111,287	140,640	237,929	440,929		N/A		N/A	Local Trans-north-Sierra-Glenn County
423	Expense	Base	Y	33528	42396883	JT	GT Reliability & Gen	JTY	JTG Safety Work	5017901-GT EMERG & UNFORESEEN COMP OH & INSPECTS	LOS MEDANOS K-1 ANNUAL MAINT 2015/2016	Close-Out	7/23/2015	11/10/2015	3/26/2016	2/29/2016	N	N	N	6,571	416,366	569,529	596,155		N/A		N/A	Los Medanos-Contra Costa County
424	Expense	Base	Y	33803	42124783	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-114 MP 16.75-20.68 TEST T-1047	Engineering/Permitting	8/1/2014	8/2/2017	9/13/2017	8/30/2017	N	Y	N	50,683	91,175	320,699	327,299		N/A		N/A	Local Trans-north-Diablo-Contra Costa County
425	Expense	Base	Y	33816	42122926	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM 0402-01 MP 0.41-5.6 TEST T-1008	Close-Out	10/2/2014	7/29/2015	6/15/2016	1/27/2016	N	N	N	412,905	3,913,505	6,415,098	6,415,098		N/A		N/A	Local Trans-north-North Bay-san Rafael-Napa County
426	Expense	Base	Y	33821	42122923	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-021G MP 12.75-16.08 TEST T-1006	Close-Out	7/31/2014	2/29/2016	5/13/2016	4/13/2016	N	N	N	163,984	1,800,767	1,974,295	1,974,295		N/A		N/A	Local Trans-north-East Bay-north-Marin County
427	Expense	Base	Y	33858	42128787	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-118A MP 77.23-83.43 TEST T-1038	Close-Out	8/21/2014	7/20/2015	12/4/2015	10/27/2015	N	N	N	4,672	311,306	3,003,896	3,003,896		N/A		N/A	Local Trans-south-Yosemite-Merced County
428	Expense	Base	Y	34006	42165101	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM-0604-03 MP 0.28-1.98 TEST T-1009	Close-Out	8/21/2014	3/10/2016	8/15/2016	5/3/2016	N	N	Y	143 723	981 150	1 065 455	1 065 455		N/A		N/A	Local Trans-south-Central Coast-Solano County
429	Expense	Base	Y	34025	42165791	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300A MP 0.64-1.965 TEST T-1061	Close-Out	8/1/2014	1/12/2016	5/10/2016	3/25/2016	N	N	N	-823,946	4,217,149	4,480,106	4,490,106		N/A		N/A	Local Trans-Systemwide-San Bernardino County
430	Expense	Base	Y	34026	42168740	JT	GT Re iability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300A MP 159.338-162.92 TEST T-1062	Close-Out	8/4/2014	4/21/2015	8/10/2015	6/26/2015	N	N	N	5,366	56,215	2,674,354	2,674,354		N/A		N/A	Hinkley-Fresno-San Bernardino County
431	Expense	Base	Y	34027	42169478	JT	GT Re iability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300A MP 198.825-203.00 TEST T-1063	Close-Out	10/2/2014	8/17/2015	2/5/2016	11/9/2015	N	N	N	4,457	688,340	3,728,119	3,731,185		N/A		N/A	Local Trans-south-Kern-Kern County
432	Expense	Base	Y	34028	42165792	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	2-300B MP 354.017-354.087 TEST T-1064	Close-Out	8/11/2014	7/27/2015	2/5/2016	10/17/2015	N	N	N	-99 590	266 681	2 896 970	2 908 503		N/A		N/A	Local Trans-south-Fresno-Fresno County
433	Expense	Base	Y	34029	42169479	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300B MP 477.93-479.08 TEST T-1065	Close-Out	12/10/2014	9/21/2015	1/29/2016	12/2/2015	N	N	N	-28,739	424,947	6,750,848	6,750,848		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
434	Expense	Base	Y	34030	42169520	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300B MP 485.86-488.11 TEST T-1066	Close-Out	9/1/2014	9/1/2014	7/22/2015	7/22/2015	N	N	N	930	1,266	7,119	1,582,294		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
435	Expense	Base	Y	34244	42180485	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	PCREEK CONTACT TOWER INSPECT AND REFURB	Close-Out	6/18/2015	10/13/2015	8/15/2016	8/9/2016	N	N	Y	564,655	613,745	675,462	795,462		N/A		N/A	Los Medanos-Yolo County
436	Expense	Base	Y	34284	42144218	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	2015 HYDROTEST CNG-LNG SUPPORT - PSRS 34	Close-Out	7/1/2014	7/1/2014	12/1/2014	12/1/2014	N	N	N	21 462	36 286	657 018	657 018		N/A		N/A	Local Trans-south-Central Coast
437	Expense	Base	Y	34497	42157033	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	GT L-302-175 TEST MP 0 TO MP 0.05	Close-Out	7/31/2014	9/24/2014	12/3/2014	11/14/2014	N	N	N	16,938	13,100	539,528	539,528		N/A		N/A	Local Trans-north-Sacramento-Sutter County
438	Expense	Base	Y	34873	42334923	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	RT-652 DFM0614-08 MP 5.63 LOCATE & C/O 3	Engineering/Permitting	8/25/2015	2/6/2017	2/16/2017	2/14/2017	N	Y	N	60,770	78,853	104,510	468,510		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
439	Expense	Base	Y	35042	42169902	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM-8805-03 MP 0.00-0.54 TEST T-1067	Close-Out	9/10/2015	3/23/2016	6/15/2016	5/2/2016	N	N	N	-91,339	2,743,264	2,862,209	2,862,209		N/A		N/A	Local Trans-south-Central Coast-Santa Clara County
440	Expense	Base	Y	35048	42169903	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DCUST1423 MP 0.00-0.377 TEST T-1068	Close-Out	11/20/2014	9/21/2015	11/18/2015	10/29/2015	N	N	N	-71,291	-47,894	1,545,622	1,545,622		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
441	Expense	Base	Y	35202	42572308	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DREG4450 MP 0.00-0.09 TEST TS-020	Close-Out	7/21/2015	11/1/2015	11/1/2015	7/21/2015	N	N	N	-8,084	580,294	595,662	595,662		N/A		N/A	Local Trans-south-Yosemite-Merced County
442	Expense	Base	Y	35239	42186789	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	EXP-JTG-GAS QUALITY ASSESSMENT - TBD	Construction	2/1/2015	2/1/2015	12/31/2019	12/31/2019	N	Y	N	139,998	263,673	546,691	546,691		N/A		N/A	Systemwide-Systemwide-Multiple Counties
443	Expense	Base	Y	35240	42186791	JT	GT Reliability & Gen	JT7		5010517-REPLACE REWORK EQUIPMENT	TBD - C&P SECURITY JOBS	Close-Out	12/17/2015	2/29/2016	12/30/2016	12/30/2016	N	N	Y	619,614	1,195,228	1,195,228	15,371,828		N/A		N/A	Systemwide-Systemwide-Multiple Counties
444	Expense	Base	Y	35243	42186794	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5010517-REPLACE REWORK EQUIPMENT	ENHANCED MEASUREMENT PROGRAM	Construction	2/1/2015	2/1/2015	12/31/2019	12/31/2019	N	Y	N	450,925	780,461	1,854,957	2,354,957		N/A		N/A	Systemwide-Systemwide-Multiple Counties
445	Expense	Base	Y	35244	42186797	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5010517-REPLACE REWORK EQUIPMENT	TEST LAB - STATION AUXILIARY M&C	Construction	4/1/2015	4/1/2015	1/28/2019	1/28/2019	N	Y	N	135,011	143,548	252,895	252,895		N/A		N/A	Systemwide-Systemwide-Multiple Counties
446	Expense	Base	Y	35246	42186860	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5010517-REPLACE REWORK EQUIPMENT	REGULATION PROGRAM - STATION AUX M&C	Construction	3/1/2015	3/1/2015	12/31/2019	12/31/2019	N	Y	N	57,697	98,713	376,067	376,067		N/A		N/A	Systemwide-Systemwide-Multiple Counties
447	Expense	Base	Y	35250	42183573	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5010517-REPLACE REWORK EQUIPMENT	EXP-JTG-STATION VALVES & ACTUATOR M&C	Construction	3/1/2015	3/1/2015	12/31/2019	12/31/2019	N	Y	N	805,526	1,012,241	2,284,583	3,516,743		N/A		N/A	Systemwide-Systemwide-Multiple Counties
448	Expense	Base	Y	35528	42199136	JT	GT Reliability & Gen	JTD	Pipeline Other	5024010-GT PIPELINE OTHER	GT L119A MPS 14.07&14.09 ELBOW REPLACEME	Close-Out	9/1/2014	10/13/2014	10/28/2014	10/14/2014	N	N	N	132	323	349,864	349,864		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
449	Expense	Base	Y	35595	42192321	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	T-1085 DREG5130 MP 0.00-0.09 DF 3430 0.0	Close-Out	1/21/2015	3/15/2016	5/9/2016	4/20/2016	N	N	N	-51,864	2,056,614	2,196,860	2,201,360		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
450	Expense	Base	Y	35867	42191618	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DREG4738 MP 0.035-0.705 TEST T-1069	Close-Out	3/12/2015	7/14/2016	10/20/2016	8/24/2016	N	N	Y	1,786,451	1,944,801	2,100,839	2,100,839		N/A		N/A	Local Trans-south-San Jose-San Mateo County
451	Expense	Base	Y	35893	42192046	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	GENERAL ORDER COSTS (JTC 2016)	Close-Out	9/1/2014	9/1/2014	1/28/2017	1/28/2017	N	Y	N	-416,326	2,134,780	8,898,278	8,898,278		N/A		N/A	Systemwide-Systemwide-Multiple Counties
452	Expense	Base	Y	36139	42199954	JT	GT Reliability & Gen	JT7		5036889-PHYSICAL SECURITY	MCDONALD ISLAND SECURITY GUARDS	Construction	12/1/2014	12/1/2014	12/31/2016	12/31/2016	N	N	Y	116,302	131,069	409,011	409,011		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
453	Expense	Base	Y	36257	42203249	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR ROW	L-0402-01 GRADE 1 LEAK	Close-Out	10/1/2014	10/1/2014	12/11/2015	12/11/2015	N	N	N	2 857	16 670	343 890	348 890		N/A		N/A	Local Trans-north-North Bay-san Rafael-Marin Count
454	Expense	Base	Y	36507	42334733	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	RT-622 L-401_MP112.11_SINKHOLE_INVESTIGA	Close-Out	3/1/2015	3/1/2015	12/14/2015	12/14/2015	N	N	N	258,486	291,226	360,807	375,807		N/A		N/A	Burney-North Valley-Shasta County
455	Expense	Base	Y	36623	P.08591	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	PLCL Pipeline Markers Remediation WBS	Construction	11/20/2014	3/1/2015	10/28/2016	10/28/2016	N	N	Y	-254,393	-219,020	9,535,168	9,535,168		N/A		N/A	Local Trans-north-Sacramento-Multiple Counties
456	Expense	Base	Y	36997	42295064	JT	GT Reliability & Gen	JTQ	HCA / Class Location	5017904-GT EMERG & UNFORESEEN PL REPAIR	R-470 L-401 0.57MI MP 84.39-84.96 REPLAC	Close-Out	6/12/2014	2/23/2015	5/7/2015	3/31/2015	N	N	N	28,580	71,670	5,776,531	5,823,884		N/A		N/A	Burney-North Valley-Shasta County
457	Expense	Base	Y	37005	42295071	JT	GT Reliability & Gen	JTQ	HCA / Class Location	5017904-GT EMERG & UNFORESEEN PL REPAIR	R-471 L-401 0.25MI MP 113.75-114 REPLACE	Close-Out	6/12/2014	2/18/2015	5/7/2015	4/3/2015	N	N	N	47 796	54 597	4 007 060	4 054 413		N/A		N/A	Burney-North Valley-Shasta County
458	Expense	Base	Y	37006	42295272	JT	GT Re iability & Gen	JTQ	HCA / Class Location	5017904-GT EMERG & UNFORESEEN PL REPAIR	L-401 VACAVILLE 1 MP 266.22-266.36 REPL	Close-Out	10/3/2014	12/1/2014	1/10/2015	12/10/2014	N	N	N	1,027	39,606	6,917,610	6,917,610		N/A		N/A	Rio Vista-Solano County
459	Expense	Base	Y	37009	42295268	JT	GT Re iability & Gen	JTQ	HCA / Class Location	5017904-GT EMERG & UNFORESEEN PL REPAIR	R-525 L-401 0.83MI MP 69.32-70.15 REPLAC	Close-Out	12/1/2014	12/1/2014	11/5/2015	11/5/2015	N	N	N	720	1,444	1,783,922	1,783,922		N/A		N/A	Burney-North Valley-Shasta County
460	Expense	Base	Y	37135	42316168	JT	GT Re iability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300A MP 354.19-354.306 TEST T-1080	Close-Out	2/12/2015	7/27/2015	12/11/2015	9/26/2015	N	N	N	-562	33,768	1,800,651	1,800,651		N/A		N/A	Local Trans-south-Fresno-Kings County
461	Expense	Base	Y	37136	42310511	JT	GT Re iability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	DFM-0402-01 MP 2.2716-2.3511 TEST T-1081	Close-Out	11/20/2014	2/10/2016	6/15/2016	4/28/2016	N	N	N	28 242	3 199 338	4 494 695	4 494 695		N/A		N/A	Local Trans-north-North Bay-san Rafael-Napa County
462	Expense	Base	Y	37211	42345293	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	BD9340 LEAK REPAIR ON VALVE X72	Close-Out	3/1/2015	3/1/2015	4/7/2016	4/7/2016	N	N	N	2,495	2,746	276,831	281,831		N/A		N/A	Local Trans-north-East Bay-south-Alameda County
463	Expense	Base	Y	37351	42321998	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	T-1086 DREG5090 MP 0.0-0.028 TEST (TS)	Close-Out	1/21/2015	12/7/2015	1/15/2016	12/22/2015	N	N	N	-8,770	264,707	755,590	756,590		N/A		N/A	Local Trans-south-Central Coast-Monterey County
464	Expense	Base	Y	37364	42322115	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	T-1088 DFM 0807-01 MP 0.35-0.50 TEST (TS	Close-Out	2/17/2015	2/29/2016	7/29/2016	6/24/2016	N	N	Y	114,082	1,467,733	1,577,951	1,598,451		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
465	Expense	Base	Y	37366	42322253	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	T-1090 DREG4281 MP 0.071-0.08 TEST (TS)	Close-Out	2/12/2015	2/29/2016	4/8/2016	3/23/2016	N	N	N	-131,525	966,584	1,105,414	1,111,414		N/A		N/A	Local Trans-north-Mission-Alameda County
466	Expense	Base	Y	37470	42322710	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM-1202-05 MP 0.00-3.26 TEST T-1095	Close-Out	1/1/2015	1/1/2015	9/9/2016	9/9/2016	N	N	Y	4,160	18,226	417,488	417,488		N/A		N/A	Local Trans-south-Fresno-Fresno County
467	Expense	Base	Y	37683	42329394	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300A MP 366.57-372.49 TEST T-1022	Close-Out	9/4/2014	4/15/2015	8/20/2015	6/24/2015	N	N	N	7,989	17,385	3,140,741	3,140,741		N/A		N/A	Local Trans-south-Fresno-Fresno County
468	Expense	Base	Y	37684	84000660	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-402 MP 10.14-27.41 TEST T-1003	Close-Out	6/5/2014	2/29/2016	10/1/2016	6/21/2016	N	N	Y	-2,009,181	8,129,542	8,129,671	7,987,671		N/A		N/A	Local Trans-north-North Valley-Shasta County
469	Expense	Base	Y	37685	42329463	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-105N MP 23.68-25.08 TEST T-1012	Close-Out	8/21/2014	4/19/2016	6/22/2016	5/20/2016	N	N	N	29,165	2,525,096	2,653,501	2,653,501		N/A		N/A	Local Trans-north-Mission-Alameda County
470	Expense	Base	Y	37800	42338884	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	T-1100 DREG4177 MP 0.0-0.01 TEST (TS)	Close-Out	2/26/2015	10/19/2015	12/31/2015	12/6/2015	N	N	N	5,313	258,150	1,808,853	1,813,353		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
471	Expense	Base	Y	37912	8162120	JT	GT Reliability & Gen	JT0		5028432-EP & PA TIMP 2015	BILL INSERTS COMPLIANCE MAILING	Construction	3/1/2015	3/1/2015	TBD	TBD	N	Y	N	103,349	264,046	518,833	518,833		N/A		N/A	Systemwide-Systemwide-Multiple Counties
472	Expense	Base	Y	37926	8162132	JT	GT Reliability & Gen	JT0		5028432-EP & PA TIMP 2015	GOLD SHOVEL PROGRAMS	Construction	2/1/2015	2/1/2015	TBD	TBD	N	Y	N	160,426	315,217	589,825	589,825		N/A		N/A	Systemwide-Systemwide-Multiple Counties
473	Expense	Base	Y	37929	8162134	JT	GT Reliability & Gen	JT0		5028432-EP & PA TIMP 2015	INITIATIVES	Construction	8/1/2015	8/1/2015	TBD	TBD	N	Y	N	100,868	225,463	546,472	546,472		N/A		N/A	Systemwide-Systemwide-Multiple Counties
474	Expense	Base	Y	37931	8162278	JT	GT Reliability & Gen	JT0		5028432-EP & PA TIMP 2015	DEMO BOARD	Construction	6/1/2015	6/1/2015	TBD	TBD	N	Y	N	215,937	385,396	677,355	677,355		N/A		N/A	Systemwide-Systemwide-Multiple Counties
475	Expense	Base	Y	37944	42338885	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	T-1103 DREG5146 MP 0.00-0.02 TEST (TS)	Close-Out	11/13/2014	10/26/2015	12/30/2015	12/4/2015	N	N	N	5,372	28,453	869,047	869,047		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
476	Expense	Base	Y	37952	42338886	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	T-1104 DREG5419 MP 0.46-0.56 TEST (TS)	Close-Out	11/13/2014	10/27/2015	12/9/2015	11/20/2015	N	N	N	12,512	112,879	1,571,239	1,577,239		N/A		N/A	Local Trans-south-Central Coast-Santa Clara County
477	Expense	Base	Y	38005	42355064	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	MARYSVILLE BUTTE METER STATION_HYDROTEST	Close-Out	3/31/2015	5/6/2015	7/13/2015	6/5/2015	N	N	N	4,028	7,777	502,810	502,810		N/A		N/A	Meridian-Sierra
478	Expense	Base	Y	38053	42353140	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	R-577 L-114 MP-27.29 MITIGATE EROSION (R	Close-Out	3/1/2015	3/1/2015	2/5/2016	2/5/2016	N	N	N	121 051	150 608	262 148	262 148		N/A		N/A	Tracy-Mission-Alameda County
479	Expense	Base	Y	38058	42353146	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	R-580 L-300A MP 485.13 34 X 0.344 MAOP V	Estimation	3/19/2015	4/10/2017	5/25/2017	5/11/2017	N	Y	N	8,556	4,207	92,758	698,258		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
480	Expense	Base	Y	38149	42349048	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-109 MP 23.30-24.00 TEST T-1101	Close-Out	2/19/2015	8/18/2015	11/20/2015	10/30/2015	N	N	N	-80,250	-186,668	3,640,746	3,640,746		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
481	Expense	Base	Y	38205	42348560	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	T-1106 DFM 1614-08 MP 0.30-0.56 TEST (TS	Close-Out	2/26/2015	1/12/2016	3/18/2016	2/27/2016	N	N	N	-108,290	1,893,883	2,016,822	2,022,822		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
482	Expense	Base	Y	38428	42364448	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	L-142N MP 2.68 POTHOLE FOR MECH DAMAGE	Close-Out	4/23/2015	4/5/2016	5/3/2016	4/7/2016	N	N	N	11 362	277 031	312 887	312 887		N/A		N/A	Local Trans-south-Kern-bakersfield-Kern County
483	Expense	Base	Y	38461	42482242	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	3001-01 MORGA DFM UPRATE MP 0-4.17	Construction	2/11/2016	3/1/2016	11/28/2017	11/28/2017	N	Y	N	18,500	19,939	19,939	3,488,242		N/A		N/A	Local Trans-north-Diablo-Contra Costa County
484	Expense	Base	Y	38501	P.09527	JT	GT Reliability & Gen	JT3	Fault Crossings	5022450-GT PAINTING & COATING MAINTENANCE	Fault Crossing Study JE WBS	Construction	3/1/2015	3/1/2015	12/28/2016	12/28/2016	N	N	Y	47,576	-92,724	1,696,356	1,696,356		N/A		N/A	Local Trans-north-Sacramento-Solano County
485	Expense	Base	Y	38638	42374741	JT	GT Reliability & Gen	JT3	Fault Crossings	5023401-GT CLASS LOCATION-YO	L-177A LITTLE SALMON CREEK FAULT XING	Close-Out	4/1/2015	5/1/2015	4/27/2016	4/27/2016	N	N	N	9,190	9,343	302,535	303,535		N/A		N/A	Local Trans-north-North Coast-eureka-Humboldt Coun
486	Expense	Base	Y	38692	84000661	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	L-402 MP 27.41-38.15 TEST T-1108	Close-Out	10/13/2015	4/9/2016	10/28/2016	7/29/2016	N	N	Y	3 347 719	5 923 080	5 923 166	5 833 166		N/A		N/A	Local Trans-north-North Valley-Shasta County
487	Expense	Base	Y	38782	P.09722	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-118B MP 0.02-0.97 TEST T-1109	Close-Out	4/30/2015	8/17/2015	10/2/2015	9/3/2015	N	N	N	49,103	63,402	372,102	372,102		N/A		N/A	Local Trans-south-Fresno-Fresno County
488	Expense	Base	Y	38794	42377591	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	HINKLEY SECURITY GUARDS	Construction	4/28/2015	5/1/2015	12/31/2016	12/31/2016	N	N	Y		88,083	295,033	295,033		N/A		N/A	Hinkley-Kern-Kern County
489	Expense	Base	Y	38824	42391937	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	L-404 MP 1.84 - 1.92 INVESTIGATION DIGS	Engineering/Permitting	7/1/2015	5/8/2017	6/9/2017	5/12/2017	N	Y	N	70,734	117,504	153,631	502,282		N/A		N/A	Local Trans-north-North Valley-Shasta County
490	Expense	Base	Y	38924	42421109	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	NEES DFM 7203-01 & 7203-02 UPRATE	Close-Out	6/1/2015	10/1/2015	10/28/2016	10/28/2016	N	N	Y	211 816	424 573	428 350	559 408		N/A		N/A	Local Trans-south-Yosemite-Fresno County
491	Expense	Base	Y	38959	42391939	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	RT-820 L-134A MP 4.26 SLEEVE REPAIR (PLC	Construction	5/20/2015	4/1/2016	4/4/2016	4/4/2016	N	N	N	235,397	390,631	415,612	435,035		N/A		N/A	Local Trans-south-Yosemite-Madera County
492	Expense	Base	Y	38960	42391938	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	RT-831 L-134A MP 8.02 CUTOUTS (PLCL15-10	Construction	5/20/2015	4/1/2016	4/8/2016	4/8/2016	N	N	N	282,818	663,062	686,520	708,511		N/A		N/A	Local Trans-south-Yosemite-Madera County
493	Expense	Base	Y	38965	42396654	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	L-200A-3 REPLACE 900-FT	Estimation	3/16/2015	4/17/2017	6/21/2017	6/6/2017	N	Y	N	203,494	281,169	367,978	512,978		N/A		N/A	Rio Vista-Sacramento-Solano County
494	Expense	Base	Y	38967	42396655	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	L-210B MP 13.75 - 14.52 RPLC 4000-FT	Engineering/Permitting	6/15/2015	6/5/2017	7/31/2017	7/7/2017	N	Y	N	129,361	358,336	563,725	9,863,725		N/A		N/A	Local Trans-north-Sacramento-Solano County
495	Expense	Base	Y	38968	42396656	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	L-300A MP 393 - 450.40 RPLC 2700-FT	Construction	6/1/2015	6/1/2015	12/31/2018	12/31/2018	N	Y	N	5,012	111,348	1,005,759	1,005,759		N/A		N/A	Milpitas/hollister-Central Coast-Multiple Counties
496	Expense	Base	Y	38969	42396657	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	L-300A SEGMENT 347.2 MP 450.85	Estimation	6/30/2015	3/6/2017	12/2/2017	11/7/2017	N	Y	N	190	1,799	17,851	617,851		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
497	Expense	Base	Y	38970	42396658	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	R-615 L-300B MP 152.46 REPLACE 265FT	Close-Out	6/1/2015	3/3/2016	4/9/2016	4/5/2016	N	N	N	66,231	1,260,639	1,323,045	1,423,045		N/A		N/A	Hinkley-Kern-San Bernardino County
498	Expense	Base	Y	38972	42398490	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	OCG L-300B REPL 3500-FT MP 450.929 - MP	Close-Out	3/3/2015	10/19/2015	2/26/2016	1/27/2016	N	N	N	171,449	2,247,817	7,491,103	7,691,103		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
499	Expense	Base	Y	39082	42667647	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	HINKLEY CS PULSATION STUDY	Construction	4/1/2016	4/1/2016	8/28/2017	8/28/2017	N	Y	N	50,361	50,545	50,545	418,808		N/A		N/A	Hinkley-San Bernardino County
500	Expense	Base	Y	39089	42667649	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	TOPOCK CS PULSATION STUDY	Construction	4/1/2016	4/1/2016	3/28/2017	3/28/2017	N	Y	N	54,623	55,176	55,176	258,750		N/A		N/A	Topock-San Bernardino County
501	Expense	Base	Y	39120	42698528	JT	GT Reliability & Gen	JTZ	Wells	5026507-CASING INSP SRVY MD 2015 - 2017	CASING INSP SRVY MI 2016-2020	Construction	5/1/2016	5/1/2016	12/30/2020	12/30/2020	N	Y	N	2,357,193	2,357,296	2,357,296	12,101,296		N/A		N/A	Los Medanos-Diablo-San Joaquin County
502	Expense	Base	Y	39121	42698535	JT	GT Re iability & Gen	JTZ	Wells	5026506-CASING INSP SRVY LM 2015 - 2017	CASING INSP SRVY LM 2016 - 2020	Construction	5/1/2016	5/1/2016	12/30/2020	12/30/2020	N	Y	N	219,452	219,555	219,555	1,345,186		N/A		N/A	Mcdonald Island-Stockton-Contra Costa County
503	Expense	Base	Y	39127	42698536	JT	GT Re iability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	WELL INTEGRITY T/N SVRY LM 2016 - 2020	Construction	5/1/2016	5/1/2016	1/28/2021	1/28/2021	N	Y	N	40 536	40 742	40 742	700 742		N/A	2015	N/A	Los Medanos-Diablo-Contra Costa County
504	Expense	Base	Y	39128	42698538	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	WELL INTEGRITY T/N SVRY MD 2016 - 2020	Construction	5/1/2016	5/1/2016	1/28/2021	1/28/2021	N	Y	N	855,841	856,358	856,358	3,466,358		N/A	2015	N/A	Mcdonald Island-Stockton-San Joaquin County
505	Expense	Base	Y	39131	42489313	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010511-COMPRESSOR OVERHAULS & INSPECTIONS	MCDI ANNUAL MAINTENANCE 2015/2016	Close-Out	10/1/2015	1/4/2016	6/27/2016	4/1/2016	N	N	N	-11,226	779,812	799,936	799,936		N/A		N/A	Mcdonald Island-San Joaquin County
506	Expense	Base	Y	39151	42626199	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010511-COMPRESSOR OVERHAULS & INSPECTIONS	MCD IS - TCS INSPECT C1-C4	Engineering/Permitting	6/15/2016	4/3/2017	8/15/2017	7/17/2017	N	Y	N	7,614	9,146	9,146	1,028,602		N/A		N/A	Mcdonald Island-San Joaquin County

Table 3-1
GT CAPITAL AND EXPENSE[(a)]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[(b)]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
507	Expense	Base	Y	39157	42667645	JT	GT Reliability & Gen	JTF	Station Compress Ove	5010511-COMPRESSOR OVERHAULS & INSPECTIONS	MCDI ANNUAL MAINTENANCE 2016/2017	Engineering/Permitting	10/27/2016	1/4/2017	5/1/2017	3/31/2017	Y	N	N	12,330	12,330	12,330	682,602		N/A		N/A	Mcdonald Island-San Joaquin County
508	Expense	Base	Y	39195	42596879	JT	GT Reliability & Gen	JTY	JTG Safety Work	5035229-TOPOCK REPAIR MAIN JACKET WATER TANKS	TOPOCK REPAIR MAIN JACKET WATER TANKS	Engineering/Permitting	5/12/2016	5/19/2017	8/15/2017	7/17/2017	N	Y	N	83,418	101,053	101,106	401,106		N/A		N/A	Topock-San Bernardino County
509	Expense	Base	Y	39291	42394286	JT	GT Reliability & Gen	JT4	Shallow Pipe	5023401-GT CLASS LOCATION-YO	R-575 L-191A SHALLOW MAIN SITES 5 & 6	Construction	5/1/2015	5/1/2015	12/28/2017	12/28/2017	N	Y	N	985 013	1 366 802	1 520 134	1 768 488		N/A		N/A	Local Trans-north-Diablo-Contra Costa County
510	Expense	Base	Y	39486	42404806	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 0621-01 MP 0.00-0.98 UPRATE	Close-Out	6/1/2015	11/10/2015	12/17/2015	11/12/2015	N	N	N	-1,127	126,938	712,523	974,089		N/A		N/A	Local Trans-north-Sac-vacadixon
511	Expense	Base	Y	39552	P.10735	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 1816-01 MP 9.55-11.48 TEST T-094B&C	Close-Out	8/22/2013	7/10/2015	11/16/2015	9/1/2015	N	N	N	36,520	7,134	7,545,753	7,545,753		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
512	Expense	Base	Y	39553	P.10734	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 1816-01 MP 12.78-16.30 TEST T-095	Close-Out	8/15/2013	7/9/2015	11/20/2015	9/1/2015	N	N	N	-6,567	-35,524	3,109,045	3,109,045		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
513	Expense	Base	Y	39555	P.10732	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	L-109 MP 2.82-2.86 TEST T-402	Close-Out	10/22/2014	8/10/2015	11/12/2015	10/13/2015	N	N	N	-55 383	25 123	1 749 073	1 749 073		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
514	Expense	Base	Y	39556	P.10752	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-118A-1 MP 0.00-1.42 TEST T-1013	Close-Out	8/21/2014	8/4/2015	12/4/2015	11/17/2015	N	N	N	-31,955	51,696	2,525,072	2,525,072		N/A		N/A	Local Trans-south-Yosemite-Fresno County
515	Expense	Base	Y	39557	P.10747	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-118A MP 28.59-37.38 TEST T-1031	Close-Out	8/21/2014	7/1/2015	7/2/2015	5/30/2015	N	N	N	125,396	535,852	3,980,800	3,980,800		N/A		N/A	Local Trans-south-Yosemite-Madera County
516	Expense	Base	Y	39558	P.10748	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-118A MP 37.725-43.64 TEST T-1032	Close-Out	8/21/2014	7/1/2015	8/3/2015	6/26/2015	N	N	N	52,330	135,522	3,695,786	3,695,786		N/A		N/A	Local Trans-south-Yosemite-Fresno County
517	Expense	Base	Y	39559	P.10749	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	L-118A MP 54.75-60.20 TEST T-1033	Close-Out	8/21/2014	7/1/2015	11/9/2015	10/5/2015	N	N	N	132 616	1 112 169	5 346 542	5 346 542		N/A		N/A	Local Trans-south-Yosemite-Merced County
518	Expense	Base	Y	39560	P.10751	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-118A MP 72.327-73.24 TEST T-1037	Close-Out	8/21/2014	7/1/2015	10/15/2015	9/4/2015	N	N	N	13,599	232,396	2,235,834	2,235,834		N/A		N/A	Local Trans-south-Yosemite-Merced County
519	Expense	Base	Y	39561	P.10741	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 0401-01 MP 4.49-4.922 TEST T-005	Close-Out	9/4/2014	7/28/2015	6/15/2016	12/2/2015	N	N	N	205,232	1,010,946	6,987,106	6,987,106		N/A		N/A	Local Trans-north-North Bay-san Rafael-Marin Count
520	Expense	Base	Y	39562	P.10727	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-057A-MD1 MP 0.020-0.616 TEST T-1091	Close-Out	1/15/2015	7/8/2015	9/18/2015	8/28/2015	N	N	N	14,602	111,672	2,092,898	2,092,898		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
521	Expense	Base	Y	39591	P.10730	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 0613-01 MP 2.63-5.29 TEST T-1026	Close-Out	7/1/2015	7/1/2015	9/1/2016	9/1/2016	N	N	Y	1,236,835	1,282,218	1,367,934	1,367,934		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
522	Expense	Base	Y	39593	P.10742	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-021H MP 8.08-12.05 TEST T-1027	Close-Out	8/21/2014	8/2/2016	11/15/2016	10/12/2016	N	N	Y	2,403,219	2,549,226	2,686,779	2,686,779		N/A		N/A	Local Trans-north-North Bay-vallejo/napa-Solano Co
523	Expense	Base	Y	39594	42414071	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-136 MP 5.87-12.79 TEST T-1052	Close-Out	8/21/2014	7/27/2016	11/14/2016	10/12/2016	N	N	Y	2,510,897	2,615,507	2,779,773	2,857,791		N/A		N/A	Local Trans-north-North Valley-Butte County
524	Expense	Base	Y	39598	42414134	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-121 MP 0.00-6.99 TEST T-1002	Close-Out	8/21/2014	3/14/2016	6/15/2016	5/21/2016	N	N	N	3,253,209	8,811,691	9,105,849	9,160,447		N/A		N/A	Local Trans-north-Sierra-Yuba County
525	Expense	Base	Y	39600	42414136	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-181A MP 16.83-19.65 TEST T-1019	Close-Out	8/29/2014	3/4/2016	5/20/2016	4/22/2016	N	N	N	44,047	2,268,761	2,359,131	2,359,131		N/A		N/A	Local Trans-south-Central Coast-Monterey County
526	Expense	Base	Y	39601	42414306	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 1813-02 MP 1.00-8.42 TEST T-1051	Engineering/Permitting	8/29/2014	4/25/2017	7/18/2017	6/19/2017	N	Y	N	220,990	345,159	452,610	5,790,535		N/A		N/A	Local Trans-south-Fresno-Monterey County
527	Expense	Base	Y	39602	P.10745	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-118A MP 12.55-20.39 TEST T-1028	Close-Out	8/21/2014	8/21/2015	3/3/2016	12/9/2015	N	N	N	229,998	750,983	6,289,291	6,289,291		N/A		N/A	Local Trans-south-Yosemite-Madera County
528	Expense	Base	Y	39603	P.10746	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-118A MP 20.71-28.89 TEST T-1030	Close-Out	8/21/2014	7/13/2016	10/10/2016	9/21/2016	N	N	Y	4,539,090	4,740,198	4,976,818	4,976,818		N/A		N/A	Local Trans-south-Yosemite-Madera County
529	Expense	Base	Y	39604	P.10750	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-118A MP 60.20-63.65 TEST T-1035	Close-Out	8/21/2014	8/22/2016	11/3/2016	10/22/2016	N	N	Y	4,316,649	4,471,524	4,714,526	4,714,526		N/A		N/A	Local Trans-south-Yosemite-Merced County
530	Expense	Base	Y	39605	P.10743	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	DFM 7222-01 MP 0.00-0.87 TEST T-1079	Close-Out	11/17/2014	6/1/2015	6/1/2015	4/24/2015	N	N	N	26 230	29 488	1 312 306	1 312 306		N/A		N/A	Local Trans-south-Yosemite-Stanislaus County
531	Expense	Base	Y	39614	42422827	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	DFM 1202-17 0.01 MI MP 0.08-0.09 REPLACE	Close-Out	6/11/2015	8/11/2015	10/22/2015	9/22/2015	N	N	N	30,067	-22,956	615,298	615,298		N/A		N/A	Local Trans-south-Fresno-Fresno County
532	Expense	Base	Y	39664	42689564	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	DREG 4088 MP 0.35 RELOCATION; CROSS-POUR	Close-Out	5/4/2016	7/18/2016	8/30/2016	7/29/2016	N	N	Y	450,349	488,909	488,909	515,909		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
533	Expense	Base	Y	39906	42422826	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	RT-661 L-057B MP 10.06 SLEEVE REPAIR	Engineering/Permitting	9/23/2015	11/1/2017	11/20/2017	11/8/2017	N	Y	N	63,064	85,281	111,509	698,509		N/A		N/A	Tracy-Diablo-San Joaquin County
534	Expense	Base	Y	40209	42426268	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR ROW	1815-02 MP 15.1 HWY 68 GRD 1 LEAK REPAIR	Close-Out	7/1/2015	7/1/2015	10/20/2015	10/20/2015	N	N	N	-854	-37 830	284 900	284 900		N/A		N/A	Local Trans-south-Central Coast-Monterey County
535	Expense	Base	Y	40224	42428158	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	TS-1112 DREG4387 MP 0.00-0.008	Close-Out	7/15/2015	3/14/2016	4/22/2016	4/15/2016	N	N	N	-173,860	1,289,051	1,458,737	1,468,737		N/A		N/A	Local Trans-south-Yosemite-Merced County
536	Expense	Base	Y	40234	42458057	JT	GT Reliability & Gen	JTY	JTG Safety Work	5036935-2015 EMERGENT PROJECTS	DELEVAN K-3 HOT SECTION FIELD REPAIR	Close-Out	8/1/2015	8/1/2015	4/27/2016	4/27/2016	N	N	N	4,816	26,755	591,179	591,179		N/A		N/A	Willows-Colusa County
537	Expense	Base	Y	40340	42449956	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300B MP 280.39-281.03 TEST	Close-Out	8/20/2015	1/25/2016	3/3/2016	2/12/2016	N	N	N	31,671	1,066,695	1,234,596	1,234,596		N/A		N/A	Local Trans-south-Kern-bakersfield-Kern County
538	Expense	Base	Y	40411	42454167	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	101 MP 12.50-12.63 AO SMITH REPLACEMENT	Close-Out	8/1/2015	8/1/2015	8/28/2017	8/28/2017	N	N	N		574	788 922	793 922		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
539	Expense	Base	Y	40412	42449948	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 7204-01 MP 1.89-1.96 TEST T-1111	Close-Out	9/14/2015	2/19/2016	5/19/2016	4/27/2016	N	N	N	-42,467	1,968,695	2,044,144	2,044,144		N/A		N/A	Local Trans-south-Yosemite-Merced County
540	Expense	Base	Y	40460	42459108	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	*CANC* L-109_3B_2 MP 20.55-22.00 MAINTEN	Close-Out	8/1/2015	8/1/2015	12/30/2016	12/30/2016	N	N	Y	-7,836	-930	40,647	40,647		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
541	Expense	Base	Y	40503	42458080	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	L-320-1 & L-320-2 MP 0.00 TAP REPLACEMEN	Close-Out	8/1/2015	10/26/2015	11/23/2015	11/23/2015	N	N	N	-67,328	1,640,049	4,813,772	4,818,772		N/A		N/A	Kettleman-Kern-Kern County
542	Expense	Base	Y	40530	42461123	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5032949-QC AS-BUILT STATION REVIEW	QC AS-BUILT STATION REVIEW	Close-Out	8/1/2015	8/1/2015	12/1/2015	12/1/2015	N	N	N	7 685	14 505	430 209	430 209		N/A		N/A	Systemwide-Systemwide-Multiple Counties
543	Expense	Base	Y	40817	42575992	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	1603-01 UPRATE 8-INCH DISTRIBUTION MAIN	Engineering/Permitting	6/2/2016	5/8/2017	9/15/2017	8/15/2017	N	Y	N	93,761	105,496	110,249	810,430		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
544	Expense	Base	Y	40926	42483704	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	2016 118A MP 66.21-66.89 TEST T-1036B	Close-Out	10/1/2015	10/1/2015	8/17/2016	8/17/2016	N	N	Y	-68,685	2,422,697	2,535,620	2,535,620		N/A		N/A	Systemwide-Systemwide-Merced County
545	Expense	Base	Y	40968	42485829	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300A MP 159.33-159.338 TEST	Engineering/Permitting	6/2/2016	4/19/2017	6/9/2017	5/25/2017	N	Y	N	21,480	28,230	59,825	1,079,825		N/A		N/A	Local Trans-south-Kern-San Bernardino County
546	Expense	Base	Y	40973	42485805	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM-0813-07 MP 0.0386-0.2428 TEST T-1010	Engineering/Permitting	8/21/2014	8/24/2018	10/5/2018	9/21/2018	N	Y	N	59,422	122,011	258,855	258,855		N/A		N/A	Local Trans-south-Central Coast-Santa Clara County
547	Expense	Base	Y	40975	42485806	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-118A MP 64.516-66.208 TEST T-1036A	Close-Out	10/1/2015	10/1/2015	8/17/2016	8/17/2016	N	N	Y	-103,890	3,892,714	4,190,821	4,190,821		N/A		N/A	Local Trans-south-Yosemite-Merced County
548	Expense	Base	Y	40976	42485807	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM-0834-01 MP 3.571-3.96 TEST T-1011	Close-Out	11/13/2014	2/24/2016	5/12/2016	4/5/2016	N	N	N	-74,376	1,645,857	1,787,721	1,787,721		N/A		N/A	Local Trans-south-Central Coast-Santa Clara County
549	Expense	Base	Y	40978	42485826	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM-1615-01 MP 16.42-19.06 TEST T-1017	Close-Out	8/21/2014	2/29/2016	6/2/2016	4/7/2016	N	N	N	274,290	5,292,050	5,605,799	5,922,332		N/A		N/A	Local Trans-south-Yosemite-Stanislaus County
550	Expense	Base	Y	40979	42485827	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-021D MP 21.88-24.6 TEST T-1078	Close-Out	10/1/2015	10/1/2015	12/28/2016	12/28/2016	N	N	Y	182,039	395,141	3,756,212	3,756,212		N/A		N/A	L300-north-North Coast-santa Rosa-Sonoma County
551	Expense	Base	Y	40989	42490915	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	T-1116 NILES DFM UPRATE	Close-Out	10/1/2015	10/1/2015	10/22/2016	10/22/2016	N	N	Y	150,054	182,300	211,771	299,180		N/A	2015	N/A	Local Trans-south-Central Coast-Alameda County
552	Expense	Base	Y	41014	42489318	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	RT-669 400/401 138 INTERIM EROSION MITIG	Close-Out	10/1/2015	10/1/2015	1/28/2017	1/28/2017	N	Y	N	8,506	23,016	443,806	443,806		N/A		N/A	Willows-Tehama County
553	Expense	Base	Y	41052	42541510	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 0613-01 MP 3.29-3.524 TEST T-1026B	Engineering/Permitting	8/21/2014	8/9/2018	10/20/2018	9/17/2018	N	Y	N	16,372	58,911	76,044	76,044		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
554	Expense	Base	Y	41134	42554046	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-153 MP 3.51-3.576 TEST T-1119	Close-Out	10/28/2015	3/14/2016	5/7/2016	4/14/2016	N	N	N	-31,749	1,751,460	1,859,361	1,859,361		N/A		N/A	Local Trans-south-San Jose-Alameda County
555	Expense	Base	Y	41422	8169757	JT	GT Reliability & Gen	JT0		5028432-EP & PA TIMP 2015	NONCUSTOMER RIGHT OF WAY COMPLIANCE MAIL	Construction	12/1/2015	12/1/2015	12/31/2050	12/31/2050	N	Y	N	133 042	133 730	273 468	273 468		N/A		N/A	Systemwide-Systemwide-Multiple Counties
556	Expense	Base	Y	41424	P.10753	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-107 Uprate Irvington - Milpitas	Construction	12/1/2015	12/1/2015	6/16/2017	6/16/2017	N	Y	N	3,935	9,349	9,455	709,455		N/A		N/A	Milpitas/hollister-Mission-Santa Clara County
557	Expense	Base	Y	41522	42460382	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2015 PROJECT & ENGINEERING - PIPELINE MA	Close-Out	8/1/2015	8/1/2015	1/28/2017	1/28/2017	N	Y	N	104,267	249,227	601,410	601,410		N/A		N/A	Systemwide-Systemwide-Multiple Counties
558	Expense	Base	Y	41979	42596037	JT	GT Reliability & Gen	JTW	M&C Stn work Except	5032111-M&C STATION WORK EXCEPT ECA	GERBER 5 YEAR ELECTRICAL AND UPS	Construction	12/23/2015	1/1/2016	12/28/2031	12/28/2031	N	Y	N	-2,380	128,226	128,226	632,226		N/A		N/A	Willows-North Valley-Tehama County
559	Expense	Base	Y	42051	84000745	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR ROW	I-216 L-057C OP PIGGING MP 0.00-6.04	Close-Out	1/1/2016	1/12/2016	2/3/2016	1/26/2016	N	N	N	-46 481	454 853	454 853	454 853		N/A		N/A	Systemwide-Systemwide-San Joaquin County
560	Expense	Base	Y	42052	84000746	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	I-217 L-057B OP PIGGING MP 0.00-16.66	Close-Out	1/1/2016	1/12/2016	2/3/2016	1/26/2016	N	N	N	-79,665	443,152	443,152	443,152		N/A		N/A	Systemwide-Systemwide-San Joaquin County
561	Expense	Base	Y	42078	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - BURNEY	Close-Out	12/7/2015	5/5/2016	8/5/2016	8/5/2016	N	N	Y	283,858	872,416	872,416	872,416		N/A		N/A	Systemwide-Systemwide-Shasta County
562	Expense	Base	Y	42079	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - DEANZA	Close-Out	12/7/2015	6/6/2016	7/15/2016	7/14/2016	N	N	Y	161,659	325,596	325,596	288,255		N/A		N/A	Systemwide-Systemwide-Santa Clara County
563	Expense	Base	Y	42080	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - HOLLISTER	Close-Out	1/5/2016	4/18/2016	6/4/2016	6/4/2016	N	N	N	112 106	942 191	942 191	904 850		N/A		N/A	Systemwide-Systemwide-San Benito County
564	Expense	Base	Y	42081	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - HUMBOLDT	Close-Out	12/7/2015	7/14/2016	9/6/2016	8/26/2016	N	N	Y	299,779	325,424	325,424	288,084		N/A		N/A	Systemwide-Systemwide-Humboldt County
565	Expense	Base	Y	42082	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - KERN	Close-Out	12/7/2015	2/25/2016	4/29/2016	4/29/2016	N	N	N	160,513	948,674	948,779	1,042,476		N/A		N/A	Systemwide-Systemwide-Kern County
566	Expense	Base	Y	42084	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - LOS MEDAN	Close-Out	12/7/2015	8/2/2016	9/2/2016	9/2/2016	N	N	Y	691,317	741,065	741,171	703,830		N/A		N/A	Systemwide-Systemwide-Multiple Counties
567	Expense	Base	Y	42087	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - MCDONALD	Close-Out	12/7/2015	5/24/2016	8/2/2016	8/2/2016	N	N	Y	154,571	407,800	407,800	411,817		N/A		N/A	Systemwide-Systemwide-Multiple Counties
568	Expense	Base	Y	42088	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - MILPITAS	Close-Out	12/7/2015	6/1/2016	7/15/2016	7/14/2016	N	N	Y	244,933	581,113	581,218	543,878		N/A		N/A	Systemwide-Systemwide-Santa Clara County
569	Expense	Base	Y	42091	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKERS - SAN FRANCISCO	Close-Out	12/7/2015	6/20/2016	8/5/2016	8/5/2016	N	N	Y	540,285	545,764	545,870	508,529		N/A		N/A	Systemwide-Systemwide-San Francisco County
570	Expense	Base	Y	42094	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJECT - WILLOWS	Close-Out	12/7/2015	5/23/2016	8/26/2016	8/26/2016	N	N	Y	430,914	480,150	480,150	480,150		N/A		N/A	Systemwide-Systemwide-Glenn County
571	Expense	Base	Y	42095	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJ - YOSEMITE-MOD	Close-Out	1/5/2016	2/25/2016	3/31/2016	3/30/2016	N	N	N	16,855	577,474	577,579	577,579		N/A		N/A	Systemwide-Systemwide-Tuolumne County
572	Expense	Base	Y	42096	P.10932	JT	GT Reliability & Gen	JTP	Right-of-Way	5032730-PIPELINE MARKERS CPSI	2016 PIPELINE MARKER PROJ - YOSEMITE-MER	Close-Out	1/5/2016	2/25/2016	4/9/2016	4/8/2016	N	N	N	118,288	781,141	781,141	743,800		N/A		N/A	Systemwide-Systemwide-Multiple Counties
573	Expense	Base	Y	42109	42603280	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	NITROGEN BURST TESTING	Construction	1/1/2016	1/1/2016	12/31/2017	12/31/2017	N	Y	N	342,387	739,920	739,920	739,920		N/A		N/A	Local Trans-Systemwide-Multiple Counties
574	Expense	Base	Y	42130	42613805	JT	GT Reliability & Gen	JTB	General Pipe Repair	5017904-GT EMERG & UNFORESEEN PL REPAIR	L-300A MP 108.44 GRADE 1 LEAK REPAIR	Close-Out	1/1/2016	1/1/2016	9/8/2016	9/8/2016	N	N	Y	186	298,257	298,257	305,257		N/A		N/A	Hinkley-Kern-bakersfield-San Bernardino County
575	Expense	Base	Y	42193	42626454	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	L-142N MP 12.55-12.91 607 PIPE REPL	Engineering/Permitting	5/23/2016	1/25/2018	7/17/2018	6/15/2018	N	Y	N	6,962	14,468	14,468	2,014,468		N/A		N/A	Kettleman-Kern-bakersfield-Kern County
576	Expense	Base	Y	43007	42709344	JT	GT Reliability & Gen	JTY	JTG Safety Work	5023401-GT CLASS LOCATION-YO	ARC FLASH RISK ASSESSMENT PROGRAM	Construction	6/1/2016	6/1/2016	12/31/2017	12/31/2017	N	Y	N	28,710	31,079	31,079	431,079		N/A		N/A	Local Trans-Systemwide-Multiple Counties
577	Expense	Base	Y	43031	42712615	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	L-215 MP 1.79 LINE RUPTURE	Close-Out	6/1/2016	6/1/2016	9/8/2016	9/8/2016	N	N	Y	-508,974	277,389	277,389	292,389		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
578	Expense	Base	Y	43122	42729710	JT	GT Reliability & Gen	JTH	Permits & Fees	5010509-GSM&TS PERMITS AND FEES	DOGGR NOTICE OF ASSESSMENT	Construction	6/1/2016	6/1/2016	12/28/2023	12/28/2023	N	Y	N	624,022	624,622	624,622	9,464,622		N/A		N/A	Local Trans-Systemwide-Multiple Counties
579	Expense	PSEP	Y	23273	41463579	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	STRENGTH TEST-PROGRAM	Close-Out	2/1/2011	2/1/2011	11/15/2011	11/15/2011	N	N	N	72,384	70,511	42,246,818	42,246,818		N/A		N/A	Local Trans-Systemwide
580	Expense	PSEP	Y	23467	P.04027	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-7221-10 TEST 6.10MI MP 7.45-15.99 PH	Close-Out	10/27/2011	4/2/2012	5/16/2012	4/29/2012	N	N	N			1 375 365	1 375 365		N/A	2011P	N/A	Local Trans-south-Yosemite-Stanislaus County
581	Expense	PSEP	Y	23471	41918943	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-131Z TEST 0.62MI MP 0.00-0.54 PH1	Close-Out	5/24/2011	3/3/2014	5/17/2014	5/6/2014	N	N	N	256	11,012	1,830,252	1,830,252		N/A	2011P	N/A	Local Trans-north-Sacramento-Sacramento County
582	Expense	PSEP	Y	23491	P.04054	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	*CANC*L-105N_2 TEST 0.48MI MP21.24-21.70	Close-Out	1/6/2012	9/6/2016	10/25/2016	10/12/2016	N	N	Y			2,232	2,232		N/A	2011P	N/A	Systemwide-Systemwide-Multiple Counties
583	Expense	PSEP	Y	23493	P.04030	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-142N TEST 11.42MI MP 0.00-8.70 WBS	Close-Out	1/5/2012	7/1/2013	9/23/2013	9/21/2013	N	N	N		1,511	12,224,647	12,224,647		N/A	2011P	N/A	Local Trans-south-Kern
584	Expense	PSEP	Y	23495	P.04031	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-142S TEST 2.37MI MP 0.00-11.48 WBS	Close-Out	10/27/2011	6/4/2012	8/2/2012	7/13/2012	N	N	N			3 708 184	3 708 184		N/A	2011P	N/A	Kettleman-Kern-Kern County
585	Expense	PSEP	Y	23496	P.04022	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-100 TEST 11.88MI MP 138.43-150.13 WBS	Close-Out	11/8/2011	3/19/2012	6/23/2012	6/7/2012	N	N	N			7,708,796	7,708,796		N/A	2011P	N/A	Milpitas/hollister-San Jose-Santa Clara County
586	Expense	PSEP	Y	23497	P.04052	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-300A_2 TEST11.47MI MP230.32-490.63 WBS	Close-Out	9/15/2011	10/26/2011	12/6/2011	11/21/2011	N	N	N			14,224,086	14,224,086		N/A	2011P	N/A	Local Trans-south-Kern-Contra Costa County
587	Expense	PSEP	Y	23501	P.04041	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	*CANC*L-172A TEST2.11MI MP35.51-67.50WBS	Close-Out	10/27/2011	9/3/2016	11/4/2016	10/20/2016	N	N	Y			954,762	954,762		N/A	2011P	N/A	Rio Vista-Sac-vacadixon-Sacramento County
588	Expense	PSEP	Y	23503	P.04042	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	*CANCL-177A TEST0.33MI MP88.50-88.83 WBS	Close-Out	1/5/2012	2/1/2012	5/8/2014	5/8/2014	N	N	N			9 289	9 289		N/A	2011P	N/A	Systemwide-Systemwide
589	Expense	PSEP	Y	23505	P.04017	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-109 TEST 4.48MI MP 7.57-48.84 WBS	Engineering/Permitting	5/24/2011	12/31/2015	12/31/2015	12/1/2012	N	N	N						N/A	2011P	N/A	Local Trans-south-De Anza-San Francisco County
590	Expense	PSEP	Y	23510	P.04029	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-138 TEST 15.92MI MP 25.55-45.56 WBS	Close-Out	1/5/2012	4/12/2013	6/18/2013	5/24/2013	N	N	N			7,965,696	7,965,696		N/A	2011P	N/A	Local Trans-south-Fresno-Fresno County
591	Expense	PSEP	Y	23511	P.04020	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-191-1 TEST 10.12MI MP 9.58-35.83 WBS	Close-Out	1/5/2012	6/3/2013	11/8/2013	8/23/2013	N	N	N		-10,317	13,702,195	13,702,195		N/A	2011P	N/A	Local Trans-north-Diablo
592	Expense	PSEP	Y	23514	P.07901	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-191A TEST 4.95MI MP 0.00-4.84 WBS	Close-Out	10/1/2013	8/8/2014	12/12/2014	11/24/2014	N	N	N	9 127	25 802	6 005 262	6 005 262		N/A	2011P	N/A	Local Trans-north-Diablo-Contra Costa County
593	Expense	PSEP	Y	23521	P.05359	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-186 TEST MP 9.00-26.13 WBS	Close-Out	7/8/2013	9/10/2013	12/30/2013	11/23/2013	N	N	N	1,848	1,848	8,738,238	8,738,238		N/A	2011P	N/A	Local Trans-south-Yosemite-Merced County
594	Expense	PSEP	Y	23525	P.04044	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-210B TEST 16.16MI MP 7.49-25.98 WBS	Close-Out	1/5/2012	8/1/2012	11/21/2012	10/5/2012	N	N	N	6,980	7,171	11,242,427	11,242,427		N/A	2011P	N/A	Local Trans-north-Sac-vacadixon-Solano County
595	Expense	PSEP	Y	23529	P.04024	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	*CANC*L-306 TEST7.24MI MP0.00-70.02 WBS	Close-Out	1/5/2012	10/14/2016	12/12/2016	11/26/2016	N	N	Y			325,857	325,857		N/A	2011P	N/A	Kettleman-Fresno-Kings County
596	Expense	PSEP	Y	23531	41474031	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-401 TEST 0.80MI MP 323.44-326.76 PH1	Close-Out	5/24/2011	6/1/2011	12/1/2012	12/1/2012	N	N	N						N/A	2011P	N/A	Tracy-Stockton-Contra Costa County
597	Expense	PSEP	Y	23532	P.05354	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-021B TEST MP 0.01-14.80 WBS	Close-Out	11/13/2012	4/29/2013	6/28/2013	6/8/2013	N	N	N	692	692	4,283,500	4,283,500		N/A	2011P	N/A	Local Trans-north-East Bay-south-Napa County
598	Expense	PSEP	Y	23533	P.04032	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-021C TEST 17.04MI MP 35.05-50.15 WBS	Close-Out	12/15/2011	8/14/2013	11/12/2013	10/6/2013	N	N	N	1,799	1,799	3,068,169	3,068,169		N/A	2011P	N/A	Local Trans-north-North Coast-santa Rosa
599	Expense	PSEP	Y	23535	P.04034	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-021F TEST 0.92MI MP 18.80-18.79 WBS	Close-Out	10/27/2011	4/17/2012	6/8/2012	5/22/2012	N	N	N			4,417,183	4,417,183		N/A	2011P	N/A	Local Trans-north-North Bay-san Rafael-Napa County
600	Expense	PSEP	Y	23536	41474056	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-303 T-032-12 MP 19.21 TO 20.43	Close-Out	5/24/2011	1/1/2012	2/1/2012	2/1/2012	N	N	N			83,189	83,189		N/A	2011P	N/A	Local Trans-north-Mission-Alameda County
601	Expense	PSEP	Y	23538	P.04035	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	*CANC* L-021G TEST2.54MI MP0.00-2.54 WBS	Close-Out	1/5/2012	10/4/2016	12/13/2016	11/28/2016	N	N	Y			46,726	46,726		N/A	2011P	N/A	Local Trans-north-North Bay-vallejo/napa-Marin Cou
602	Expense	PSEP	Y	23548	P.04048	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-118A TEST 0.88MI MP 12.55-58.74 WBS	Close-Out	12/15/2011	6/8/2012	7/18/2012	7/10/2012	N	N	N			3,864,819	3,864,819		N/A	2011P	N/A	Local Trans-south-Yosemite-merced-Merced County
603	Expense	PSEP	Y	23550	P.05356	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-118B TEST 15.96MI MP 1.04-20.07 WBS	Close-Out	11/7/2012	6/14/2013	10/1/2013	8/15/2013	N	N	N	233	233	8,808,872	8,808,872		N/A	2011P	N/A	Local Trans-south-Yosemite-Merced County
604	Expense	PSEP	Y	23552	P.04039	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-119A TEST 3.90MI MP 0.00-3.82 WBS	Close-Out	12/16/2011	7/20/2012	10/25/2012	9/7/2012	N	N	N			2,489,983	2,489,983		N/A	2011P	N/A	Local Trans-north-Sac-vacadixon-Sacramento County
605	Expense	PSEP	Y	23554	P.04040	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-119B TEST 8.04MI MP 0.00-10.15 WBS	Close-Out	1/5/2012	8/14/2013	10/22/2013	10/7/2013	N	N	N			3 465 533	3 465 533		N/A	2011P	N/A	Local Trans-north-Sacramento-Sacramento County
606	Expense	PSEP	Y	23557	P.04019	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-132_2 TEST 1.82MI MP 40.04-49.98 WBS	Close-Out	10/27/2011	5/28/2012	8/11/2012	7/11/2012	N	N	N			2,371,047	2,371,047		N/A	2011P	N/A	Local Trans-south-San Francisco-San Francisco Coun
607	Expense	PSEP	Y	23574	P.04013	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-0401-01 TEST 5.52MI MP 0.03-5.48 WBS	Close-Out	1/5/2012	7/23/2014	12/31/2014	10/22/2014	N	N	N		254	7,787,003	7,787,003		N/A	2011P	N/A	Systemwide-Systemwide
608	Expense	PSEP	Y	23575	P.04036	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-0611-01 TEST 1.09MI MP 0.00-1.07 WBS	Close-Out	5/24/2011	7/7/2014	8/29/2014	8/15/2014	N	N	N			2,376,174	2,376,174		N/A	2011P	N/A	Local Trans-north-Sacramento-Sacramento County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
609	Expense	PSEP	Y	23577	P.04037	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-0611-02 TEST 1.08MI MP 0.00-1.08 WBS	Close-Out	1/4/2012	5/19/2014	8/28/2014	7/29/2014	N	N	N			2,833,589	2,833,589		N/A	2011P	N/A	Local Trans-north-Sacramento-Sacramento County
610	Expense	PSEP	Y	23578	P.04014	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	*CANC*DFM-0402-01 TEST0.69MI MP0.27-2.36	Close-Out	1/5/2012	2/1/2012	12/28/2015	12/28/2015	N	N	N			60,352	60,352		N/A	2011P	N/A	Systemwide-Systemwide
611	Expense	PSEP	Y	23579	41918948	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-1502-11 TEST 3.02MI MP 0.00-2.96 PH1	Close-Out	5/24/2011	10/20/2014	12/23/2014	11/22/2014	N	N	N	4 253	7 728	3 721 763	3 721 763		N/A	2011P	N/A	Local Trans-north-Sacramento-Yuba County
612	Expense	PSEP	Y	23590	P.04015	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-0407-01 TEST 3.67MI MP 0.44-4.34 WBS	Close-Out	1/5/2012	8/22/2014	1/14/2015	11/2/2014	N	N	N	545	9,993	3,849,117	3,849,117		N/A	2011P	N/A	Local Trans-north-North Bay-vallejo/napa-Napa Coun
613	Expense	PSEP	Y	23856	P.04026	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-1615-01 TEST 8.03MI MP 6.72-14.74 PH	Close-Out	1/5/2012	7/1/2013	12/24/2013	9/15/2013	N	N	N			10,031,116	10,031,116		N/A	2011P	N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
614	Expense	PSEP	Y	23874	P.04018	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-131_2 TEST 1.63MI MP 8.45-45.90 WBS	Close-Out	1/5/2012	6/17/2014	8/29/2014	8/16/2014	N	N	N		582	5,867,874	5,867,874		N/A	2011P	N/A	Local Trans-north-Diablo-Santa Clara County
615	Expense	PSEP	Y	23884	41919090	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-0621-01 TEST 0.68MI MP 0.02-0.70 PH1	Close-Out	5/24/2011	4/30/2014	7/14/2014	6/13/2014	N	N	N	1 036	9 436	1 455 268	1 455 268		N/A	2011P	N/A	Local Trans-north-Sacramento-Yolo County
616	Expense	PSEP	Y	23894	41919093	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-1027-01 TEST 3.81MI MP 2.77-6.58 PH1	Close-Out	5/24/2011	5/12/2014	7/25/2014	7/1/2014	N	N	N	4,039	4,032	2,364,760	2,364,760		N/A	2011P	N/A	Local Trans-north-North Valley-Butte County
617	Expense	PSEP	Y	23905	P.04047	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-3010-01 TEST 0.60MI MP 0.64-1.27 WBS	Close-Out	1/5/2012	1/21/2013	2/13/2013	2/4/2013	N	N	N			1,139,317	1,139,317		N/A	2011P	N/A	Local Trans-north-Diablo-Multiple Counties
618	Expense	PSEP	Y	23913	41842134	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-1502-02 TEST 1.46MI 0.00-1.60 PH1	Close-Out	5/24/2011	5/6/2013	7/18/2013	7/2/2013	N	N	N	1,250	1,306	1,974,480	1,974,480		N/A	2011P	N/A	Local Trans-north-Sierra-Yuba County
619	Expense	PSEP	Y	23929	P.04046	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-1816-01 2 TEST 9.17MI MP 8.44-18.25	Close-Out	10/27/2011	6/26/2012	8/31/2012	7/27/2012	N	N	N	1 478	4 012	6 168 976	6 168 976		N/A	2011P	N/A	Milpitas/hollister-Central Coast-Santa Cruz County
620	Expense	PSEP	Y	23934	P.04016	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-1401-01 TEST 0.79MI MP 0.00-0.79 WBS	Close-Out	7/1/2013	7/1/2013	10/16/2014	10/16/2014	N	N	N			205,798	205,798		N/A	2011P	N/A	Systemwide-Systemwide-San Francisco County
621	Expense	PSEP	Y	24010	P.06746	KE	GT PL Safety Enhance	KE3	PSEP Pipeline ILI	5021515-2014 TARGET - KE3 PIPELINE ILI	L-131 MP 50.5-57.4 ILI & ANALYSIS PH-1 R	Close-Out	5/24/2011	8/18/2014	11/2/2016	9/13/2014	N	N	Y	122	491	883,317	883,317		N/A	2011P	N/A	Milpitas/hollister-San Jose-Kings County
622	Expense	PSEP	Y	24018	P.06746	KE	GT PL Safety Enhance	KE3	PSEP Pipeline ILI	5021515-2014 TARGET - KE3 PIPELINE ILI	I-065 L-300B MP 299-351.8 ILI & ANALYSIS	Close-Out	5/24/2011	11/21/2014	2/5/2015	12/9/2014	N	N	N	122	170	1,268,862	1,268,862		N/A	2011P	N/A	Kettleman-Kings County
623	Expense	PSEP	Y	24027	P.06746	KE	GT PL Safety Enhance	KE3	PSEP Pipeline ILI	5021515-2014 TARGET - KE3 PIPELINE ILI	L-101 MP 0.00-11.85 ILI & ANALYSIS PH1 R	Close-Out	5/24/2011	2/6/2014	5/19/2014	3/1/2014	N	N	N	533	533	1,861,670	1,861,670		N/A	2011P	N/A	Local Trans-south-San Jose-Santa Clara County
624	Expense	PSEP	Y	24028	P.06746	KE	GT PL Safety Enhance	KE3	PSEP Pipeline ILI	5021515-2014 TARGET - KE3 PIPELINE ILI	I-061 L-101 MP11.62-33.68 ILI & ANL PH10	Close-Out	5/24/2011	9/9/2014	10/27/2016	7/30/2015	N	N	Y	17,684	21,917	5,036,681	5,036,681		N/A	2011P	N/A	Local Trans-south-Peninsula-Santa Clara County
625	Expense	PSEP	Y	24183	P.04028	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-057A-MD1 TEST 0.84MI MP 0.00-1.13 WBS	Close-Out	10/27/2011	1/14/2013	3/2/2013	2/15/2013	N	N	N			2,618,298	2,618,298		N/A	2011P	N/A	Mcdonald Island-Diablo-San Joaquin County
626	Expense	PSEP	Y	24187	P.04025	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	*CANC*DFM-1202-01 TEST2.13MI MP0.00-2.13	Close-Out	1/5/2012	9/29/2016	11/17/2016	11/4/2016	N	N	Y			20,102	20,102		N/A	2011P	N/A	Systemwide-Systemwide
627	Expense	PSEP	Y	24188	P.04023	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-2403-12 TEST 2.84MI MP 0.05-2.88 WBS	Close-Out	8/9/2011	5/6/2013	10/2/2013	7/21/2013	N	N	N			3,538,393	3,538,393		N/A	2011P	N/A	Local Trans-north-Mission
628	Expense	PSEP	Y	24196	P.04038	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-0611-05 TEST 0.06MI MP 0.00-0.12 WBS	Close-Out	1/5/2012	5/19/2014	8/28/2014	7/29/2014	N	N	N			1,652,850	1,652,850		N/A	2011P	N/A	Systemwide-Systemwide-Sacramento County
629	Expense	PSEP	Y	24207	P.04033	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-021E TEST 0.33MI MP 116.16-116.46 WBS	Close-Out	1/5/2012	2/1/2012	1/25/2016	1/25/2016	N	N	N			24,883	24,883		N/A	2011P	N/A	Systemwide-Systemwide
630	Expense	PSEP	Y	24210	41482922	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-021A_1 TEST 0.09MI MP 24.49-24.58 PH1	Close-Out	5/24/2011	6/1/2011	3/25/2014	3/25/2014	N	N	N						N/A	2011P	N/A	Local Trans-north-North Coast-santa Rosa-Contra Co
631	Expense	PSEP	Y	24216	P.04045	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-210C TEST 3.01MI MP 31.27-32.11 WBS	Close-Out	1/5/2012	4/1/2013	6/4/2013	5/4/2013	N	N	N			2,503,705	2,503,705		N/A	2011P	N/A	Local Trans-north-North Bay-vallejo/napa
632	Expense	PSEP	Y	24219	P.04056	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-300B 2 TEST 7.68MI MP161.06-272.40 WBS	Close-Out	9/18/2013	10/1/2014	12/22/2014	11/18/2014	N	N	N	15 702	39 389	10 668 378	10 668 378		N/A	2011P	N/A	Hinkley-Kern-Kings County
633	Expense	PSEP	Y	24264	P.04043	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	*CANC*L-200A-1 TEST0.34MI MP1.08-1.42WBS	Close-Out	1/5/2012	11/26/2016	1/13/2017	12/31/2016	N	N	N			4,123	4,123		N/A	2011P	N/A	Systemwide-Systemwide
634	Expense	PSEP	Y	24537	P.03760	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-132_1 TEST 38.14MI MP 0.94-51.50 WBS	Close-Out	6/1/2011	8/5/2011	12/8/2011	11/18/2011	N	N	N	63	63	60,304,346	60,304,346		N/A	2011P	N/A	Local Trans-south-Peninsula-Santa Clara County
635	Expense	PSEP	Y	24913	P.05720	KE	GT PL Safety Enhance	KEX	PSEP Pipeline Other	5022949-PSEP DATA VALIDATION & ANALYSIS	Engineering Condition Assessment WBS	Close-Out	10/17/2013	5/5/2014	5/9/2014	5/8/2014	N	N	N			352,419	352,419		N/A	2011P	N/A	Meridian-Sierra-Sutter County
636	Expense	PSEP	Y	25808	41613028	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	2012 STRENGTH TEST - GENERAL	Close-Out	12/1/2011	12/1/2011	1/28/2017	1/28/2017	N	Y	N	64 422	98 267	2 973 674	2 973 674		N/A		N/A	Systemwide-Systemwide-Multiple Counties
637	Expense	PSEP	Y	27284	P.04017	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-109 TEST 4.48MI MP 7.57-48.84 WBS	Close-Out	10/27/2011	12/1/2012	12/4/2012	11/8/2012	N	N	N	736	736	2,547,841	2,547,841		N/A		N/A	Milpitas/hollister-Diablo-Contra Costa County
638	Expense	PSEP	Y	27609	41744230	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DFM-0604-01 TEST 0.77MI MP 0.00-0.30 PH1	Close-Out	11/19/2012	5/21/2013	7/12/2013	6/21/2013	N	N	N	315	315	1,894,845	1,894,845		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
639	Expense	PSEP	Y	28395	41756005	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-187 TEST 9.77MI MP 22.82-33.04 PH1	Close-Out	12/4/2012	4/8/2013	6/25/2013	5/20/2013	N	N	N	315	315	2,842,551	2,842,551		N/A		N/A	Local Trans-south-Central Coast-Monterey County
640	Expense	PSEP	Y	28409	41756008	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-187 TEST 4.39MI MP 46.63-50.67 PH1	Close-Out	11/20/2012	6/20/2013	9/16/2013	8/17/2013	N	N	N	126	126	1 220 537	1 220 537		N/A		N/A	Local Trans-south-Central Coast-Monterey County
641	Expense	PSEP	Y	28410	41756009	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-187 TEST 5.20MI MP 50.67-56.55 PH1	Close-Out	12/5/2012	7/10/2013	9/16/2013	8/30/2013	N	N	N	630	630	1,196,215	1,196,215		N/A		N/A	Local Trans-south-Central Coast-Monterey County
642	Expense	PSEP	Y	28411	41756012	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	L-187 TEST 9.31MI MP 56.55-60.03 PH1	Close-Out	12/5/2012	8/15/2013	10/23/2013	9/20/2013	N	N	N	1,165	1,165	2,589,734	2,589,734		N/A		N/A	Local Trans-south-Central Coast-Monterey County
643	Expense	PSEP	Y	30070	41871410	KE	GT PL Safety Enhance	KE3	PSEP Pipeline ILI	5021515-2014 TARGET - KE3 PIPELINE ILI	L-300A MP353.90-393.53 DIRECTEXAM&REPAIR	Close-Out	6/18/2013	2/17/2014	3/7/2014	2/24/2014	N	N	N	1,811	2,944	899,090	899,090		N/A		N/A	Kettleman-Fresno-Kings County
644	Expense	PSEP	Y	30106	8141443	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	BAKER TANK MAINTENANCE	Close-Out	3/22/2013	5/1/2013	12/30/2016	12/30/2016	N	N	Y	214	14,743	1,090,393	1,090,393		N/A		N/A	Systemwide-Systemwide
645	Expense	PSEP	Y	30979	P.06695	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	TAPS-TEST SI WBS	Close-Out	11/1/2013	4/7/2014	4/18/2014	4/14/2014	N	N	N	1,251	1,251	604,671	604,671		N/A		N/A	Local Trans-north-Sierra-Multiple Counties
646	Expense	PSEP	Y	30982	P.06445	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	TAPS-TEST YO WBS	Close-Out	12/4/2013	3/26/2014	4/23/2014	4/16/2014	N	N	N	-110	12,554	1,151,946	1,151,946		N/A		N/A	Local Trans-south-Yosemite-Multiple Counties
647	Expense	PSEP	Y	31083	42072114	KE	GT PL Safety Enhance	KE3	PSEP Pipeline ILI	5021515-2014 TARGET - KE3 PIPELINE ILI	L-300B MP 353.85-393.75 DIRECT EXAM & RE	Close-Out	1/3/2014	11/17/2014	3/27/2015	11/22/2014	N	N	N	1,207	-11,146	643,992	643,992		N/A		N/A	Local Trans-Systemwide-Kings County
648	Expense	PSEP	Y	32406	42047911	KE	GT PL Safety Enhance	KE4	PSEP Station Other	5021590-STATION OTHER EXP (VALVE AUTO)	ONLINE SIMULATOR PILOT	Close-Out	12/1/2013	12/1/2013	12/1/2014	12/1/2014	N	N	N	5,755	5,755	701,935	701,935		N/A		N/A	Local Trans-Systemwide-Multiple Counties
649	Expense	PSEP	Y	32882	42076761	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	DREG5496 TEST 0.27 MI MP 1.20-1.47	Close-Out	2/14/2013	3/28/2014	5/29/2014	5/5/2014	N	N	N	193	193	428,520	428,520		N/A		N/A	Local Trans-south-Kern-Kern County
650	Expense	PSEP	Y	36358	42223653	KE	GT PL Safety Enhance	KE1	PSEP Pipe Pressure T	5019289-STRENGTH TESTING	GT CONST. TO MAINTENANCE ORDER REVIEWS	Close-Out	11/1/2014	11/1/2014	1/28/2017	1/28/2017	N	Y	N	5,166	25,991	539,189	539,189		N/A		N/A	Systemwide-Systemwide-Multiple Counties
651	Expense	PSEP	Y	40826	42484896	KE	GT PL Safety Enhance	KEX	PSEP Pipeline Other	5022949-PSEP DATA VALIDATION & ANALYSIS	R-663 L-057A MP9.48 LAKESVALVELOT REWORK	Close-Out	7/1/2015	10/6/2015	11/20/2015	10/28/2015	N	N	N	4,297	-11,170	668,185	668,185		N/A		N/A	Local Trans-north-Diablo-Contra Costa County
652	Expense	Base	Y	25415	41592893	KF	GT&D Impl Regulatory	KF1	CPUC	5233953-SBI-GENERAL ORDER - 2011	L-132 MP 41.82 TO 42.97, SSF INSERTION	Close-Out	10/1/2011	10/1/2011	11/20/2012	11/20/2012	N	N	N	1,753	2,237	6,281,230	6,281,230		N/A		N/A	Systemwide-Systemwide-San Francisco County
653	Expense	Base	Y	26332	41644891	KF	GT&D Impl Regulatory	KF1	CPUC	5233953-SBI-GENERAL ORDER - 2011	DFM-2405-01 PR-002-12 MP 0.55-0.62	Close-Out	1/18/2012	4/9/2012	4/28/2012	4/28/2012	N	N	N	-378	-378	334,515	334,515		N/A		N/A	Milpitas/hollister-Mission-Alameda County
654	Expense	Base	N	39269	97002961	34	Maint Gas Trans-Subs	34A	Stan-Pac Expense	5900121-STANPAC EXPENSE	EC17-SP5 ENG & DIGS	Close-Out	1/26/2016	8/8/2016	11/4/2016	1/12/2017	N	N	Y	353,575	552,382	552,382	552,382				N/A	Systemwide-Systemwide
655	Expense	Base	N	40891	97003121	34	Maint Gas Trans-Subs	34A	Stan-Pac Expense	5900121-STANPAC EXPENSE	R-690 SP3-1 MP 198.4897 - 198.49	Construction	12/16/2014	10/3/2016	1/3/2017	12/21/2016	N	Y	N	467,433	481,129	483,764	483,764				N/A	Systemwide-Systemwide-Contra Costa County
656	Expense	Base	N	43413	97003621	34	Maint Gas Trans-Subs	34A	Stan-Pac Expense	5900121-STANPAC EXPENSE	RT-855 SP4Y_1.09_PIPE SPAN REPLACEMENT	Close-Out	7/27/2016	8/15/2016	8/24/2016	8/19/2016	Y	N	Y	237,097	237,097	237,097	252,097				N/A	Rio Vista
657	Expense	Base	N	719380	8149054	CM	GT Operate System	CMA	GT Operate System	5000046-GT OPERATIONAL FACILITIES	GT CONTRACTOR SUPPORT	Engineering/Permitting	1/1/2014	1/1/2014	1/28/2017	1/28/2017	N	Y	N	308 855	308 855	2 418 260	2 418 260		N/A		N/A	Systemwide-Systemwide-Contra Costa County
658	Expense	Base	N	37184	42314545	GJ	Gas Transmission Mit	GJK	Other-Expense	5236943-GT R&D	CP RECTIFIER MONITORING	Construction	1/1/2015	1/1/2015	12/31/2017	12/31/2017	N	Y	N	58,547	88,669	300,132	300,132		N/A		N/A	Systemwide-Systemwide-Multiple Counties
659	Expense	Base	N	37445	42328816	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	LINE 0821-01 MP 1.66	Close-Out	9/3/2014	8/30/2015	11/23/2015	10/1/2015	N	N	N	242,764	380,311	380,311	380,311		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
660	Expense	Base	N	37529	42328308	GJ	Gas Transmission Mit	GJK	Other-Expense	5236943-GT R&D	COATINGS FIELD & ENGINEERING ANALYSIS	Construction	2/1/2015	2/1/2015	1/28/2017	1/28/2017	N	Y	N	62,897	104,776	250,059	250,059		N/A		N/A	Local Trans-Systemwide-Multiple Counties
661	Expense	Base	N	39317	42394879	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	CASING ETS INSTALATION L-0115-01	Close-Out	6/2/2015	4/25/2016	4/29/2016	4/29/2016	N	N	N	26 983	240 365	275 176	275 176		N/A		N/A	Local Trans-north-East Bay-north-Alameda County
662	Expense	Base	N	41161	42563702	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	ATMOSPHERIC CORROSION SPAN MITIGATION	Construction	11/8/2015	2/1/2016	12/31/2017	12/31/2017	N	Y	N	191,777	315,895	315,963	315,963		N/A		N/A	Local Trans-Systemwide-Multiple Counties
663	Expense	Base	N	41218	42569868	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	0821-02 MP 10.77 CASING REMEDIATION	Engineering/Permitting	10/13/2015	5/4/2017	6/14/2017	5/18/2017	N	Y	N	974	5,166	5,698	429,606		N/A		N/A	Milpitas/hollister-San Jose-Santa Clara County
664	Expense	Base	N	41265	42569995	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L 132 MP 51.31 CASING REMEDIATION	Close-Out	11/25/2015	6/27/2016	8/24/2016	8/3/2016	N	N	Y	546,294	675,706	680,876	680,876		N/A		N/A	Local Trans-south-San Francisco-San Francisco Coun
665	Expense	Base	N	41281	42572992	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	6602-01 MP 0.0413 CASING REMEDIATION	Close-Out	10/23/2015	6/6/2016	12/24/2016	11/29/2016	N	N	Y	186 156	259 451	259 675	265 051		N/A		N/A	Topock-Kern-bakersfield-Kern County
666	Expense	Base	N	41361	42576156	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L109 MP 3.32 CASING REMEDIATIONR	Close-Out	12/8/2015	8/22/2016	12/1/2016	11/2/2016	N	N	Y	1,085,876	1,094,440	1,095,180	1,095,180		N/A		N/A	Milpitas/hollister-De Anza-Santa Clara County
667	Expense	Base	N	41385	42576147	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	1202-16 MP 2.16 CASING REMEDIATION	Engineering/Permitting	10/13/2015	5/9/2017	6/19/2017	5/23/2017	N	Y	N	2,201	8,340	8,606	435,106		N/A		N/A	Kettleman-Fresno-Fresno County
668	Expense	Base	N	41440	42615443	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	2016 CORROSION CASING PREPARATION	Construction	4/1/2016	4/1/2016	1/28/2017	1/28/2017	N	Y	N	174,886	259,709	259,709	259,709		N/A		N/A	Systemwide-Systemwide-Multiple Counties
669	Expense	Base	N	41495	42595985	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L7220-01 MP 8.16 CASING REMEDIATION	Engineering/Permitting	2/2/2016	3/22/2017	5/1/2017	4/5/2017	N	Y	N	8,255	15,395	15,395	440,432		N/A		N/A	Local Trans-south-Yosemite-Merced County
670	Expense	Base	N	42158	42611352	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	L105B MP 6.296 CASING REMEDIATION	Close-Out	2/2/2016	7/26/2016	12/7/2016	8/30/2016	N	N	Y	338,209	348,504	348,504	348,504		N/A		N/A	Local Trans-north-East Bay-north-Contra Costa Coun
671	Expense	Base	N	42323	42633841	GJ	Gas Transmission Mit	GJC	AC Mitigation-Spans	5236943-GT R&D	L301G MP 7.00 REPAINT/RECOAT SPAN 447	Engineering/Permitting	2/25/2016	1/28/2017	2/14/2017	2/2/2017	N	Y	N	5,210	6,957	6,957	264,957		N/A		N/A	Milpitas/hollister-Central Coast-San Benito County
672	Expense	Base	N	42851	42689575	GJ	Gas Transmission Mit	GJG	Corrosion-Excavation	5236943-GT R&D	CORROSION DIG 138 MP 16.19-16.21	Construction	8/1/2016	8/1/2016	1/25/2017	1/25/2017	Y	N	N	5,227	5,227	5,227	749,787		N/A		N/A	Local Trans-south-Fresno-Fresno County
673	Expense	Base	N	42852	42689574	GJ	Gas Transmission Mit	GJG	Corrosion-Excavation	5236943-GT R&D	CORROSION DIG 138 MP 16.85-16.88	Construction	8/1/2016	8/1/2016	1/20/2017	1/20/2017	Y	N	N	7,340	7,340	7,340	692,679		N/A		N/A	Local Trans-south-Fresno-Fresno County
674	Expense	Base	N	44017	42790925	GJ	Gas Transmission Mit	GJM	Casing Mitigation	5236943-GT R&D	D-224A MP 0.24 CASING REM CC-045	Construction	9/20/2016	10/1/2016	12/31/2017	12/31/2017	Y	N	N	411,253	411,253	411,253	411,253		N/A		N/A	Local Trans-north-North Valley-Shasta County
675	Expense	Base	N	29322	41844867	HP	CGT Balancing Accoun	HPD	Integrity Manage Cor	5019016-HPD	L-118A MP 23.08 - 23.09 RE-COAT	Close-Out	1/17/2013	4/22/2013	5/14/2013	5/15/2013	N	N	N	13,980	19,815	251,197	251,197		N/A		N/A	Local Trans-south-Yosemite-Merced County
676	Expense	Base	N	37585	42596036	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-101(N) MP 11.85 - 32.57 DE & REPAIR	Close-Out	12/23/2015	9/6/2016	11/23/2016	10/28/2016	N	N	Y	988,474	1,025,894	1,025,894	1,385,201		N/A		N/A	Systemwide-Systemwide-Alameda County
677	Expense	Base	N	37587	42480592	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-303 MP 0.00 - 42.86 DIRECT EXAM & REPA	Close-Out	9/16/2015	8/9/2016	12/7/2016	8/15/2016	N	N	Y	229,658	276,539	301,428	839,455		N/A		N/A	Systemwide-Systemwide-Multiple Counties
678	Expense	Base	N	37632	42671516	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-147 MP 0.03-3.57 ILI DE&R	Close-Out	6/9/2016	6/21/2016	8/19/2016	6/29/2016	N	N	Y	2,978,905	3,188,098	3,188,098	3,908,342		N/A		N/A	Systemwide-Systemwide-San Mateo County
679	Expense	Base	N	37805	84001341	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-237 L-21E MP 53.12-64.36 ILI RE-INSPEC	Construction	3/1/2016	11/1/2016	2/20/2017	2/4/2017	N	Y	N	478,145	481,071	481,071	481,072		N/A		N/A	Systemwide-Systemwide-Sonoma County
680	Expense	Base	N	37812	84001346	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-110E L-119C MP 0.00-6.69 PIGGING & ANA	Engineering/Permitting	3/1/2016	1/9/2017	3/20/2017	3/4/2017	N	N	N	284,460	284,460	284,460	1,891,317		N/A		N/A	Systemwide-Systemwide-Sacramento County
681	Expense	Base	N	37839	84001358	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-241 SP5/L-191 MP 0.11-9.46 PIGGING & A	Construction	3/1/2016	12/15/2016	2/21/2017	2/6/2017	N	N	N	390,617	390,617	390,617	1,478,400		N/A		N/A	Systemwide-Systemwide-Contra Costa County
682	Expense	Base	N	37855	84000740	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-0609-02 MP 0.00-0.65 NON-TRADTL ILI	Close-Out	2/18/2015	7/31/2016	10/25/2016	9/9/2016	N	N	Y	403 204	411 431	411 431	427 744		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
683	Expense	Base	N	38310	42623416	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-400 ILI DE&R MP 82.33 TO 142.61	Close-Out	2/3/2016	6/6/2016	7/15/2016	6/11/2016	N	N	Y	1,831,567	2,045,251	2,045,251	2,045,251		N/A		N/A	Systemwide-Systemwide-Shasta County
684	Expense	Base	N	39224	42394872	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC17-119-1 ENG	Close-Out	1/28/2016	8/6/2016	11/8/2016	1/12/2017	N	N	Y	517,242	682,735	682,817	682,817		N/A		N/A	Systemwide-Systemwide-Multiple Counties
685	Expense	Base	N	39228	42395142	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC17-131 ENG	Close-Out	1/15/2016	8/5/2016	10/28/2016	1/4/2017	N	N	Y	140,012	264,576	264,576	264,576		N/A		N/A	Systemwide-Systemwide-Contra Costa County
686	Expense	Base	N	39270	42394863	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC16-021E ENG	Close-Out	8/10/2015	5/14/2016	11/12/2016	12/19/2016	N	N	Y	200 532	276 808	319 260	319 260		N/A		N/A	Local Trans-north-North Coast-ukiah
687	Expense	Base	N	39273	42398974	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-116 DIGS	Close-Out	12/17/2015	6/27/2016	9/12/2016	7/20/2016	N	N	Y	2,229,994	2,394,884	2,402,499	2,402,499		N/A		N/A	Systemwide-Systemwide-Multiple Counties
688	Expense	Base	N	39284	42399280	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC15-153 DIGS	Close-Out	1/20/2016	6/20/2016	7/7/2016	6/23/2016	N	N	Y	1,402,935	1,481,482	1,483,915	1,483,915		N/A		N/A	Systemwide-Systemwide-Multiple Counties
689	Expense	Base	N	39700	42417674	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC17-2408-05 ENG	Close-Out	1/22/2016	7/12/2016	10/27/2016	12/27/2016	N	N	Y	318,386	455,072	455,072	455,072		N/A		N/A	Local Trans-north-Mission-Alameda County
690	Expense	Base	N	39876	42490947	HP	CGT Balancing Accoun	HPP	TIMP Digs - SCCDA	5023852-HPK	SCC16-300A DIRECT EXAMINATION	Close-Out	6/29/2016	9/30/2016	11/16/2016	10/20/2016	N	N	Y	1,010,732	1,010,732	1,010,732	1,010,732		N/A		N/A	Systemwide-Systemwide-San Bernardino County
691	Expense	Base	N	39878	42490948	HP	CGT Balancing Accoun	HPP	TIMP Digs - SCCDA	5023852-HPK	SCC16-300B DIRECT EXAMINATION	Close-Out	6/23/2016	10/3/2016	11/22/2016	10/20/2016	N	N	Y	1,532,291	1,534,513	1,534,513	1,544,063		N/A		N/A	Systemwide-Systemwide-San Bernardino County
692	Expense	Base	N	40092	42670630	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-114 MP 28.98 - 34.06 ILI DE&R	Close-Out	4/6/2016	9/7/2016	9/24/2016	9/15/2016	N	N	Y	437,920	463,684	463,684	463,684		N/A		N/A	Systemwide-Systemwide-Alameda County
693	Expense	Base	N	40099	42648426	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-131 MP 24.88-50.57 ILI DE&R	Close-Out	3/9/2016	7/18/2016	8/12/2016	7/28/2016	N	N	Y	344,543	366,881	366,881	366,881		N/A		N/A	Systemwide-Systemwide-Contra Costa County
694	Expense	Base	N	40547	8167937	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	ECDA PROJECT REVIEW	Close-Out	9/2/2015	11/1/2015	1/28/2017	1/28/2017	N	Y	N	460,498	539,430	677,002	677,002		N/A		N/A	Systemwide-Systemwide-Multiple Counties
695	Expense	Base	N	40772	42466230	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-659 L-300A MP 430.05 SLEEVE REPAIR	Close-Out	9/8/2015	7/5/2016	7/22/2016	7/9/2016	N	N	Y	209,615	244,617	259,098	274,098		N/A		N/A	Systemwide-Systemwide-San Benito County
696	Expense	Base	N	42064	84000765	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	105N MP 33.00-33.37 TEST T-1128	Engineering/Permitting	1/5/2016	5/1/2019	7/11/2019	6/27/2019	N	Y	N	29,754	65,498	65,498	745,498		N/A		N/A	Local Trans-north-East Bay-north-Alameda County
697	Expense	Base	N	42065	84000766	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	105N MP 34.5-35.01 TEST T-1129	Engineering/Permitting	1/5/2016	5/1/2019	7/11/2019	6/27/2019	N	Y	N	22,130	69,969	69,969	724,969		N/A		N/A	Local Trans-north-East Bay-north-Alameda County
698	Expense	Base	N	42067	84000768	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	0123-01 MP 0.007-0.071 TEST T-1131	Construction	1/1/2016	1/1/2016	1/28/2019	1/28/2019	N	Y	N	-1,470	54,856	54,856	699,856		N/A		N/A	Local Trans-north-East Bay-north-Contra Costa Coun
699	Expense	Base	N	42068	84000769	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	105C MP 1.793-2.03 TEST T-1132	Engineering/Permitting	1/5/2016	5/1/2019	7/11/2019	6/27/2019	N	Y	N	1,318	55,474	55,474	725,474		N/A		N/A	Local Trans-north-East Bay-north-Alameda County
700	Expense	Base	N	42069	84000770	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	0405-01 MP 3.3 TEST T-1133	Construction	2/1/2016	2/1/2016	1/28/2019	1/28/2019	N	Y	N	-7,118	36,842	36,842	681,842		N/A		N/A	Local Trans-north-North Bay-san Rafael-Napa County
701	Expense	Base	N	42112	42611258	HP	CGT Balancing Accoun	HPM	Repairs / Replace <	5023852-HPK	RT-739 DFM-1521-01 MP 1.66 REPLACE	Close-Out	2/9/2016	8/8/2016	10/14/2016	8/27/2016	N	N	Y	400,220	491,848	491,848	498,348		N/A		N/A	Local Trans-north-Sierra-Nevada County
702	Expense	Base	N	42133	42613105	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC14-101K-DIGS	Engineering/Permitting	4/18/2014	10/14/2017	11/18/2017	10/23/2017	N	Y	N	43,496	59,510	59,510	515,382		N/A		N/A	Milpitas/hollister-San Mateo County
703	Expense	Base	N	42182	84000885	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	103 MP 25.31-25.46 TEST	Construction	2/1/2016	2/1/2016	1/28/2019	1/28/2019	N	Y	N	13,968	24,355	24,355	669,355		N/A		N/A	Local Trans-south-Central Coast-Monterey County
704	Expense	Base	N	42252	42618268	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	GCUST5814 DIGS	Close-Out	1/19/2016	11/7/2016	12/19/2016	11/21/2016	N	N	Y	308,490	323,044	323,044	535,284		N/A		N/A	Systemwide-Systemwide-San Mateo County
705	Expense	Base	N	42304	42639844	HP	CGT Balancing Accoun	HPM	Repairs / Replace <	5023852-HPK	RT-751 1611-03 MP 0.148-0.191 REPLACE	Engineering/Permitting	2/26/2016	6/12/2017	7/18/2017	7/8/2017	N	Y	N	49,833	61,376	61,376	758,376		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
706	Expense	Base	N	42357	42640443	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-181-DIGS	Close-Out	5/20/2016	7/18/2016	8/19/2016	7/29/2016	N	N	Y	1,578,846	1,618,246	1,618,246	1,618,246		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
707	Expense	Base	N	42362	84001166	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	300A MP 483.74-484.13 TEST T-1162	Engineering/Permitting	7/7/2016	4/17/2017	7/15/2017	5/18/2017	Y	Y	N	121 835	174 268	174 268	779 268		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
708	Expense	Base	N	42369	42643978	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-300-4-DIGS	Construction	8/30/2016	12/12/2016	1/17/2017	12/21/2016	Y	N	N	468,567	468,567	468,567	468,567		N/A		N/A	Systemwide-Systemwide-San Benito County
709	Expense	Base	N	42370	42644866	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-148-DIGS	Engineering/Permitting	10/12/2016	3/21/2017	4/29/2017	4/4/2017	Y	N	N	985,500	985,500	985,500	1,110,755		N/A		N/A	Systemwide-Systemwide-Stanislaus County
710	Expense	Base	N	42371	42644867	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-300-1-DIGS	Construction	10/7/2016	12/17/2016	1/21/2017	12/31/2016	Y	N	N	445,484	445,484	445,484	784,267		N/A		N/A	Local Trans-south-Kern-San Bernardino County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
711	Expense	Base	N	42372	42644869	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-300-2-DIGS	Close-Out	7/25/2016	10/19/2016	11/26/2016	10/31/2016	Y	N	Y	1,034,905	1,035,601	1,035,601	1,086,842		N/A		N/A	Systemwide-Systemwide-San Bernardino County
712	Expense	Base	N	42373	42644871	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-300-3-DIGS	Close-Out	7/18/2016	10/4/2016	11/19/2016	10/25/2016	Y	N	Y	1,846,542	1,846,542	1,846,542	1,948,810		N/A		N/A	Systemwide-Systemwide-Multiple Counties
713	Expense	Base	N	42374	42644875	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-021C-DIGS	Construction	10/19/2016	12/1/2016	1/21/2017	12/15/2016	Y	N	N	468 393	468 393	468 393	737 667		N/A		N/A	Systemwide-Systemwide-Sonoma County
714	Expense	Base	N	42375	42644876	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-021E-DIGS	Construction	11/1/2016	11/1/2016	12/28/2017	12/28/2017	Y	N	N	660,117	660,117	660,117	1,007,223		N/A		N/A	Systemwide-Systemwide-Mendocino County
715	Expense	Base	N	42376	42646630	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-215-DIGS	Construction	9/9/2016	11/8/2016	2/20/2017	11/17/2016	Y	N	N	392,517	392,517	392,517	399,517		N/A		N/A	Systemwide-Systemwide-Stanislaus County
716	Expense	Base	N	42377	42644878	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-0405-01-DIGS	Close-Out	7/26/2016	10/31/2016	12/6/2016	11/9/2016	Y	N	Y	1,033,251	1,033,947	1,033,947	1,821,126		N/A		N/A	Systemwide-Systemwide-Napa County
717	Expense	Base	N	42378	42646529	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC18-101-DIGS	Engineering/Permitting	8/19/2016	9/12/2018	10/22/2018	9/26/2018	Y	N	N	4 118	4 118	4 118	927 426		N/A		N/A	Systemwide-Systemwide-San Francisco County
718	Expense	Base	N	42379	42646631	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC17-057-DIGS	Engineering/Permitting	10/10/2016	6/5/2017	7/15/2017	6/19/2017	Y	N	N	1,699	1,699	1,699	1,022,599		N/A		N/A	Systemwide-Systemwide-Contra Costa County
719	Expense	Base	N	42444	42654648	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	12""X16"" GEO & MFL TOOL DEV	Construction	4/5/2016	5/1/2016	12/31/2017	12/31/2017	N	Y	N	870,448	882,235	882,235	882,235		N/A		N/A	Systemwide-Systemwide-Multiple Counties
720	Expense	Base	N	42445	42654652	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	10""X12"" LOW PRESSURE GEO & MFL TOOL DEV	Construction	3/1/2016	3/1/2016	12/31/2017	12/31/2017	N	Y	N	381,901	389,457	389,457	1,174,468		N/A		N/A	Systemwide-Systemwide-Multiple Counties
721	Expense	Base	N	42447	42654655	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	24""X30"" LOW PRESSURE GEO & MFL TOOL DEV	Construction	4/1/2016	4/1/2016	12/31/2017	12/31/2017	N	Y	N	342 308	343 197	343 197	343 197		N/A		N/A	Systemwide-Systemwide-Multiple Counties
722	Expense	Base	N	42454	84001241	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-220 L-401 MP 317.96-428.05 ILI RE-INSP	Close-Out	1/27/2016	9/17/2016	10/20/2016	10/13/2016	N	N	Y	2,122,044	2,134,112	2,134,112	2,140,211		N/A		N/A	Systemwide-Systemwide-Contra Costa County
723	Expense	Base	N	42456	84001242	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-228 EMERGENT NT ILI DFM-0613-01 MP 3.9	Close-Out	4/5/2016	7/11/2016	8/25/2016	8/12/2016	N	N	Y	820,105	852,626	852,626	852,626		N/A		N/A	Systemwide-Systemwide-Sacramento County
724	Expense	Base	N	42458	84001243	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-221 L-21D/21D-1 MP 0-1.45, L-21C MP 35	Construction	1/27/2016	8/1/2016	4/30/2018	4/30/2018	N	Y	N	1,146	1,313	1,313	1,581,313		N/A		N/A	Systemwide-Systemwide-Sonoma County
725	Expense	Base	N	42472	84001320	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	2405-01 MP 0.3783-0.3788 TEST	Close-Out	6/9/2016	10/31/2016	12/2/2016	11/23/2016	N	N	Y	33,162	63,353	63,353	1,083,353		N/A		N/A	Local Trans-north-Mission-Alameda County
726	Expense	Base	N	42514	42671656	HP	CGT Balancing Accoun	HPM	Repairs / Replace <	5023852-HPK	RT-785 GCUST5872 MP 0.0798-0.80 REPLACE	Engineering/Permitting	4/13/2016	1/18/2019	2/14/2019	2/2/2019	N	Y	N	7,780	8,166	8,166	672,892		N/A		N/A	Local Trans-south-Central Coast-Monterey County
727	Expense	Base	N	42663	84001475	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	DREG4095 MP 0.00 TEST	Construction	4/1/2016	4/1/2016	1/28/2020	1/28/2020	N	Y	N	1,272	1,946	1,946	1,021,946		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
728	Expense	Base	N	42681	42667142	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-771 2016 ILI CUTOUT L-153 MP 5.46	Close-Out	3/30/2016	10/11/2016	11/8/2016	10/30/2016	N	N	Y	618,251	634,756	634,756	659,531		N/A		N/A	Local Trans-north-Mission-Alameda County
729	Expense	Base	N	42684	84001345	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-177A/L-189 MP 163.04-192.25/0-1.89 ILI	Engineering/Permitting	3/1/2016	7/5/2017	8/7/2017	7/22/2017	N	N	N	2,781	2,781	2,781	1,523,790		N/A		N/A	Systemwide-Systemwide-Humboldt County
730	Expense	Base	N	42685	84001360	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-243 L-210A MP 1.39-19.47 ILI RE-INSPEC	Engineering/Permitting	3/1/2016	1/14/2017	4/4/2017	3/20/2017	N	N	N	31,585	31,585	31,585	1,920,403		N/A		N/A	Systemwide-Systemwide-Solano County
731	Expense	Base	N	42686	84001400	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-177A MP 88.83-163.04 ILI RE-INSPECTION	Engineering/Permitting	3/1/2016	4/10/2017	7/10/2017	6/23/2017	N	N	N	17,079	17,079	17,079	1,732,247		N/A		N/A	Systemwide-Systemwide-Shasta County
732	Expense	Base	N	42687	84001380	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-142S MP 0.02-8.98 ILI RE-INSPECTION	Engineering/Permitting	3/1/2016	1/14/2017	3/23/2017	3/4/2017	N	N	N	80,302	80,302	80,302	1,661,677		N/A		N/A	Systemwide-Systemwide-Kern County
733	Expense	Base	N	42688	84001401	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-245 L-57A MP 9.49-16.7 ILI RE-INSPECT	Close-Out	3/1/2016	9/7/2016	11/30/2016	9/17/2016	N	N	Y	1,138,258	1,138,258	1,138,258	1,196,360		N/A		N/A	Systemwide-Systemwide-Contra Costa County
734	Expense	Base	N	42721	42670638	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-138C MP 48.18 IMMEDIATE	Close-Out	6/8/2016	6/13/2016	8/5/2016	6/27/2016	N	N	Y	329 248	336 647	336 647	336 647		N/A		N/A	Systemwide-Systemwide-Fresno County
735	Expense	Base	N	42724	42671541	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-132 MP 0-31.93 IMMEDIATE	Close-Out	10/3/2016	10/31/2016	12/3/2016	11/16/2016	Y	N	Y	724,189	724,189	724,189	724,189		N/A		N/A	Systemwide-Systemwide-San Mateo County
736	Expense	Base	N	42726	42671544	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-108 MP 50.69-74.93 IMMEDIATE	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	349,553	349,553	349,553	349,553		N/A		N/A	Systemwide-Systemwide-Sacramento County
737	Expense	Base	N	42727	42671545	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	DFM 1202-16 MP 4.38 IMMEDIATE	Close-Out	6/8/2016	6/13/2016	8/5/2016	6/27/2016	N	N	Y	367,633	372,714	372,714	372,714		N/A		N/A	Systemwide-Systemwide-Fresno County
738	Expense	Base	N	42729	42671547	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-131 MP 24.88-50.57 IMMEDIATE	Close-Out	7/26/2016	11/18/2016	11/29/2016	11/22/2016	Y	N	Y	551 577	551 577	551 577	581 577		N/A		N/A	Systemwide-Systemwide-Alameda County
739	Expense	Base	N	42732	42671550	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-300B MP 393.78-450.78 IMMEDIATE	Construction	9/14/2016	12/5/2016	1/14/2017	12/19/2016	Y	N	N	446,904	446,904	446,904	446,904		N/A		N/A	Systemwide-Systemwide-Fresno County
740	Expense	Base	N	42738	42671556	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-119B MP 0.02-10.16 IMMEDIATE	Close-Out	10/25/2016	11/9/2016	11/29/2016	11/12/2016	Y	N	Y	1,223,877	1,223,877	1,223,877	1,292,190		N/A		N/A	Systemwide-Systemwide-Sacramento County
741	Expense	Base	N	42745	42677895	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	RT-813 L-401 MP 186.0090 SLEEVE REPAIR (	Engineering/Permitting	4/13/2016	4/10/2017	4/29/2017	4/18/2017	N	Y	N	45,741	71,052	71,052	461,052		N/A		N/A	Willows-Sierra-Glenn County
742	Expense	Base	N	42883	84001661	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-255 NT ILI L-105N-3 MP 0.0743-0.1175	Engineering/Permitting	5/4/2016	1/23/2017	4/7/2017	3/29/2017	N	Y	N	47 515	49 144	49 144	856 942		N/A		N/A	Systemwide-Systemwide-Alameda County
743	Expense	Base	N	42891	42698083	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-827 L-132 MP 8.24 CUT-OUT GW CORROSIO	Close-Out	5/1/2016	5/11/2016	6/13/2016	5/19/2016	N	N	N	44,129	262,533	262,533	316,533		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
744	Expense	Base	N	42927	42702530	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-300B MP 332.77 CUTOUT ID-56-4 (D-388D)	Close-Out	5/18/2016	6/20/2016	6/24/2016	6/24/2016	N	N	N	114,047	292,422	292,422	332,422		N/A		N/A	Kettleman-Fresno-Kings County
745	Expense	Base	N	43045	42717220	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	DFM 1202-21 MP 0.03 IMMEDIATE	Close-Out	6/8/2016	6/13/2016	8/5/2016	6/27/2016	N	N	Y	401,562	416,081	416,081	416,081		N/A		N/A	Systemwide-Systemwide-Fresno County
746	Expense	Base	N	43064	84001781	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	L-215 MP 0.278-4.89 TEST	Close-Out	6/15/2016	6/20/2016	11/7/2016	11/5/2016	N	N	Y	5,587,107	5,741,494	5,741,494	5,832,879		N/A		N/A	Local Trans-south-Yosemite-merced-Stanislaus Count
747	Expense	Base	N	43079	42723938	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	DA PROGRAM SUPPORT	Construction	6/1/2016	6/1/2016	12/31/2018	12/31/2018	N	Y	N	709,537	749,042	749,042	749,042		N/A		N/A	Systemwide-Systemwide-Multiple Counties
748	Expense	Base	N	43139	84001920	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-258 L-109 MP 40.70-40.75 NON-TRAD	Close-Out	5/25/2016	10/31/2016	12/7/2016	11/20/2016	N	N	Y	654,165	654,165	654,165	698,665		N/A		N/A	Local Trans-south-Peninsula-San Francisco County
749	Expense	Base	N	43176	42737620	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT- 846 L-21E MP92.56(SITE35)ILI CUT OUT	Engineering/Permitting	7/13/2016	4/17/2017	5/12/2017	5/1/2017	Y	N	N	12,504	12,504	12,504	472,504		N/A		N/A	Systemwide-Systemwide-Mendocino County
750	Expense	Base	N	43184	42739830	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-21E MP90.36(SITE 33)ILI CUT OUT 2016	Engineering/Permitting	7/13/2016	4/17/2017	5/11/2017	4/29/2017	Y	N	N	35,521	35,521	35,521	588,521		N/A		N/A	Local Trans-Systemwide-Mendocino County
751	Expense	Base	N	43185	42739831	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-21E MP 91.65(SITE 34) ILI CUT OUT 2016	Engineering/Permitting	7/13/2016	4/17/2017	5/12/2017	5/1/2017	Y	N	N	15,350	15,350	15,350	475,350		N/A		N/A	Local Trans-Systemwide-Mendocino County
752	Expense	Base	N	43320	42743732	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-848 2016 ILI CUTOUT L-153 MP 7.54	Close-Out	7/20/2016	10/24/2016	11/10/2016	10/30/2016	Y	N	Y	508,662	508,662	508,662	538,326		N/A		N/A	Local Trans-north-Mission-Alameda County
753	Expense	Base	N	43481	42759635	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	RT-859 L-100 MP 141.14 ILI GEO TOOL EXTR	Close-Out	8/1/2016	8/15/2016	9/26/2016	9/1/2016	Y	N	Y	1,717,776	1,717,776	1,717,776	1,717,776		N/A		N/A	Local Trans-south-San Jose-Santa Clara County
754	Expense	Base	N	43641	42775208	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	I-136B L-108 MP 67.65 ILI MFL TOOL EXTR	Construction	8/1/2016	8/1/2016	12/31/2017	12/31/2017	Y	N	N	1,511,997	1,511,997	1,511,997	1,591,997		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
755	Expense	Base	N	43642	42776764	HP	CGT Balancing Accoun	HPM	Repairs / Replace <	5023852-HPK	RT-784 L-181B MP 5.853-5.855 REPL	Engineering/Permitting	4/13/2016	5/9/2017	6/5/2017	5/23/2017	N	N	N	27,607	27,607	27,607	777,208		N/A		N/A	Local Trans-south-Central Coast-Santa Cruz County
756	Expense	Base	N	43645	42777421	HP	CGT Balancing Accoun	HPM	Repairs / Replace <	5023852-HPK	RT-801 L-331A MP 0.858-0.859 REPL	Engineering/Permitting	4/13/2016	12/18/2018	1/15/2019	1/3/2019	N	N	N	2,551	2,551	2,551	999,351		N/A		N/A	Local Trans-south-Yosemite-modesto-Merced County
757	Expense	Base	N	43663	84002320	HP	CGT Balancing Accoun	HPM	Repairs / Replace <	5023852-HPK	L-402 MP 21.71-33.52 ILI PIG & ANALYSIS	Engineering/Permitting	8/1/2016	1/27/2017	4/22/2017	4/7/2017	Y	N	N	35,163	35,163	35,163	1,645,601		N/A		N/A	Burney-Shasta County
758	Expense	Base	N	43993	84002404	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	L-215 MP 17.1-20.08 TEST T-1268	Engineering/Permitting	9/1/2016	1/23/2017	4/28/2017	3/10/2017	Y	N	N	233,194	233,194	233,194	2,278,194		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
759	Expense	Base	N	43994	84002400	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	L-215 MP 4.89-8.52 TEST T-1264	Engineering/Permitting	10/3/2016	4/14/2017	6/23/2017	6/2/2017	Y	N	N	84 379	84 379	84 379	2 909 379		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
760	Expense	Base	N	43995	84002403	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	L-215 MP 14.56-17.1 TEST T-1267	Engineering/Permitting	9/1/2016	2/13/2017	5/12/2017	3/31/2017	Y	N	N	105,803	105,803	105,803	2,195,803		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
761	Expense	Base	N	43996	84002402	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	L-215 MP 8.52-14.56 TEST T-1266	Engineering/Permitting	10/3/2016	3/6/2017	5/26/2017	4/21/2017	Y	N	N	104,188	104,188	104,188	4,374,188		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
762	Expense	Base	N	44001	42867453	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	RT-759 L-119B REPLACE UNPIGGABLE	Construction	10/26/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	583,385	583,385	583,385	583,385		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
763	Expense	Base	N	44044	42796910	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-303 MP 4.32 SLEEVE REPAIR (ID-33-1)	Construction	9/23/2016	12/21/2016	1/5/2017	12/23/2016	Y	N	N	42 325	42 325	42 325	277 325		N/A		N/A	Local Trans-north-Diablo-Contra Costa County
764	Expense	Base	N	44093	42804995	HP	CGT Balancing Accoun	HPN	TIMP Digs - ECDA	5023852-HPK	EC16-119B (PARALLEL) DIGS	Construction	10/7/2016	12/19/2016	1/21/2017	12/28/2016	Y	N	N	916,003	916,003	916,003	941,753		N/A		N/A	Local Trans-Systemwide-Sacramento County
765	Expense	Base	N	44097	42805760	HP	CGT Balancing Accoun	HPC	Integrity Manage ECD	5019015-HPC	EC16-119B (PARALLEL) ENGR	Construction	10/6/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	310,573	310,573	310,573	310,573		N/A		N/A	Local Trans-Systemwide-Sacramento County
766	Expense	Base	N	44518	42855735	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	RT-882 L-300B MP426.746-427.2647 IMMEDIA	Close-Out	10/12/2016	11/7/2016	11/29/2016	11/15/2016	Y	N	Y	660,800	660,800	660,800	663,800		N/A		N/A	Local Trans-Systemwide-San Benito County
767	Expense	Base	N	44646	84002800	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-21E EMERGENT NT ILI	Construction	11/1/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	1 010 896	1 010 896	1 010 896	1 010 896		N/A		N/A	Local Trans-Systemwide-Sonoma County
768	Expense	Base	N	44651	84002841	HP	CGT Balancing Accoun	HPB	Integrity manage ILI	5019014-HPB	L-132S MP 5.762 NT ILI	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	1,249,010	1,249,010	1,249,010	1,249,010		N/A		N/A	Local Trans-Systemwide-Santa Clara County
769	Expense	Base	N	44658	84002860	HP	CGT Balancing Accoun	HPI	ILI - Direct Exam	5023828-HPI	L-131 MP24.88-46.34(ID-64-2-5)ILI DE&R	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	8,090	8,090	8,090	2,062,090		N/A		N/A	Local Trans-Systemwide-San Joaquin County
770	Expense	Base	N	728355	8177171	HP	CGT Balancing Accoun	HPF	Pipeline Hydrotests	5021770-HPF	2016 STRENGTH TEST TIMP COSTS	Engineering/Permitting	11/1/2016	11/1/2016	12/28/2016	12/28/2016	Y	N	Y	30,020,089	30,020,089	30,020,089	30,020,089		N/A		N/A	Systemwide-Systemwide
771	Expense	Base	N	20838	42482243	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM 0213-02 MP 0.91-4.27 UPRATE EXPENSE	Construction	5/1/2016	5/1/2016	12/28/2017	12/28/2017	N	Y	N	8 109	8 972	8 972	1 713 540		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
772	Expense	Base	N	33529	42667643	JT	GT Reliability & Gen	JTY	JTG Safety Work	5017901-GT EMERG & UNFORESEEN COMP OH & INSPECTS	LOS MEDANOS K-1 ANNUAL MAINT 2016/2017	Construction	7/12/2016	12/1/2016	3/15/2017	2/28/2017	Y	N	N	158,075	158,075	158,075	761,827		N/A		N/A	Los Medanos-San Joaquin County
773	Expense	Base	N	33806	42124696	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-103 MP 10.33-15.63 TEST T-1043	Close-Out	5/1/2014	5/1/2014	7/29/2016	7/29/2016	N	N	Y	5,393	5,393	64,766	3,813,491		N/A		N/A	Local Trans-south-Central Coast-Monterey County
774	Expense	Base	N	34013	42165596	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DFM-1813-02 MP 1.00-8.42 TEST T-1051	Close-Out	8/1/2014	8/1/2014	7/22/2016	7/22/2016	N	N	Y	-85,481	-348	74,987	5,492,912		N/A		N/A	Local Trans-south-Fresno-Monterey County
775	Expense	Base	N	39165	42601786	JT	GT Reliability & Gen	JTR	Inoperable_Hard to T	5010515-PIPELINE REPAIR , ROW	DCUST_7896 MP 0.00_INSTALL 3/4"" FIRE VLV	Close-Out	1/21/2016	9/27/2016	11/7/2016	10/18/2016	N	N	Y	316,556	331,445	331,445	331,445		N/A		N/A	Tracy-Yosemite-Fresno County
776	Expense	Base	N	39422	42413361	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	RT-662 L-300A MP 405.20 REPAIR BLOWDOWN	Close-Out	6/5/2015	6/17/2016	7/7/2016	6/22/2016	N	N	Y	193,633	247,266	285,931	300,931		N/A		N/A	Kettleman-Fresno-Fresno County
777	Expense	Base	N	39596	42414074	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-124B MP 9.845-23.181 TEST T-1016	Construction	8/1/2015	8/1/2015	1/28/2018	1/28/2018	N	Y	N	3,819	18,633	65,634	3,153,634		N/A		N/A	Local Trans-north-Sierra-Placer County
778	Expense	Base	N	40372	42440924	JT	GT Reliability & Gen	JTY	JTG Safety Work	5036935-2015 EMERGENT PROJECTS	TOPOCK POND 3 REPAIRS	Close-Out	1/14/2016	8/15/2016	11/17/2016	11/1/2016	N	N	Y	381,138	390,458	425,431	425,431		N/A		N/A	Topock-Kern-San Bernardino County
779	Expense	Base	N	40531	42461312	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	RT-654 2403-01 MP 4.64 GRADE 2 LEAK REPA	Close-Out	8/27/2015	10/31/2016	11/30/2016	11/15/2016	N	N	Y	414,731	421,644	435,257	468,197		N/A		N/A	Local Trans-north-Mission-Alameda County
780	Expense	Base	N	41054	42541519	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFM 0613-01 MP 3.88-5.29 TEST T-1026C	Close-Out	8/21/2014	7/29/2016	11/23/2016	11/3/2016	N	N	Y	2,277,399	2,354,621	2,371,458	2,371,458		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
781	Expense	Base	N	41136	42554050	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-167 MP 26.99-28.03 TEST T-1120	Construction	10/1/2015	10/1/2015	9/1/2017	9/1/2017	N	Y	N	103,407	108,070	108,175	1,672,475		N/A		N/A	Local Trans-north-Sacramento-Sutter County
782	Expense	Base	N	41457	42592112	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	LOS MEDANOS WELL 18D LEAK REPAIR	Close-Out	12/1/2015	12/1/2015	12/16/2016	12/16/2016	N	N	Y	10,467	221,930	250,222	250,222		N/A		N/A	Los Medanos-Contra Costa County
783	Expense	Base	N	41611	42601787	JT	GT Reliability & Gen	JTR	Inoperable_Hard to T	5023401-GT CLASS LOCATION-YO	L-132 MP37.08 & L-109 MP35.84 REPAD INST	Close-Out	2/1/2016	2/1/2016	8/31/2016	8/31/2016	N	N	Y	247,353	333,910	333,910	333,910		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
784	Expense	Base	N	41998	84000605	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	DFM-7224-01 MP 0.00-1.56 TEST T-1023	Engineering/Permitting	3/13/2015	1/30/2020	1/30/2020	3/24/2020	N	Y	N	4 670	11 962	162 166	876 166		N/A		N/A	Local Trans-north-Stockton-Stanislaus County
785	Expense	Base	N	42042	42570496	JT	GT Reliability & Gen	JTB	General Pipe Repair	5017904-GT EMERG & UNFORESEEN PL REPAIR	L-142N MP12.8 GRD 2 LK 110864752	Close-Out	11/1/2015	11/1/2015	6/7/2016	6/7/2016	N	N	N	6,273	42,967	253,361	258,361		N/A		N/A	Kettleman-Kern-Kern County
786	Expense	Base	N	42055	84000747	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	021F MP 0.00-2.13 TEST T-1124	Construction	2/1/2016	2/1/2016	1/28/2019	1/28/2019	N	Y	N	24,599	52,019	52,019	1,516,269		N/A		N/A	Local Trans-north-North Valley-Sonoma County
787	Expense	Base	N	42060	84000761	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	1217-01 MP 3.45-3.85 TEST T-1125	Close-Out	6/12/2016	10/5/2016	11/28/2016	11/16/2016	N	N	Y	958,314	1,007,151	1,007,151	1,019,151		N/A		N/A	Local Trans-south-Fresno-Fresno County
788	Expense	Base	N	42062	84000763	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	GCUST5838 MP 0.00-0.03 TEST T-1126	Construction	2/1/2016	2/1/2016	1/28/2020	1/28/2020	N	Y	N	-233	24 234	24 234	1 047 234		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
789	Expense	Base	N	42070	84000771	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	0405-01 MP 14.97-17.55 TEST T-222-13	Engineering/Permitting	11/30/2012	5/8/2019	6/12/2019	5/29/2019	N	Y	N	92,440	132,900	132,900	2,546,050		N/A		N/A	Local Trans-north-North Bay-san Rafael-Napa County
790	Expense	Base	N	42101	42623538	JT	GT Reliability & Gen	JTR	Inoperable_Hard to T	5023401-GT CLASS LOCATION-YO	DREG 4500 MP 0.00 REPLACE A-15	Close-Out	4/12/2016	9/26/2016	10/15/2016	10/7/2016	N	N	Y	341,936	350,829	350,829	350,829		N/A		N/A	Local Trans-south-Fresno-Fresno County
791	Expense	Base	N	42177	42623524	JT	GT Reliability & Gen	JTD	Pipeline Other	5024010-GT PIPELINE OTHER	L-142N MP 12.22 PLCL DIG 2	Close-Out	3/16/2016	8/8/2016	8/23/2016	8/11/2016	N	N	Y	275,712	287,080	287,080	287,080		N/A		N/A	Kettleman-Kern-bakersfield-Kern County
792	Expense	Base	N	42178	84000881	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	220 MP 32.9-34.5 TEST T-1137	Construction	2/1/2016	2/1/2016	1/28/2018	1/28/2018	N	Y	N	602	2 849	2 849	1 082 849		N/A		N/A	Local Trans-north-Sacramento-Yolo County
793	Expense	Base	N	42180	84000883	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DCUST10030 MP 0.27-0.696 TEST T-1139	Construction	3/1/2016	3/1/2016	1/28/2021	1/28/2021	N	Y	N	32,815	73,402	73,402	1,093,402		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
794	Expense	Base	N	42221	84000900	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	119B MP 0.00-0.837 TEST	Engineering/Permitting	1/21/2016	5/12/2017	7/11/2017	6/27/2017	N	Y	N	60,475	62,992	62,992	722,992		N/A		N/A	Local Trans-north-Sacramento-Sacramento County
795	Expense	Base	N	42223	84000901	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	301B MP 7.92-13.39 TEST T-1144	Construction	3/1/2016	3/1/2016	1/28/2020	1/28/2020	N	Y	N	99,553	124,203	124,203	8,308,953		N/A		N/A	Local Trans-south-Central Coast-Monterey County
796	Expense	Base	N	42248	84000907	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DCUST1755 MP 0.00-0.16 TEST T-1148	Construction	2/1/2016	2/1/2016	1/28/2021	1/28/2021	N	Y	N	30,412	53,073	53,073	1,073,073		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
797	Expense	Base	N	42275	84001000	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-109 MP 29.6-30.12 TEST T-1143	Engineering/Permitting	3/24/2016	7/24/2017	10/5/2017	9/14/2017	N	Y	N	87,837	106,702	106,702	1,086,702		N/A		N/A	Local Trans-south-Peninsula-San Mateo County
798	Expense	Base	N	42297	84001160	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300B MP 353.83-354.002 TEST	Engineering/Permitting	2/10/2016	8/27/2018	11/8/2018	10/18/2018	N	Y	N	384	9,479	9,479	734,479		N/A		N/A	Local Trans-south-Fresno-Fresno County
799	Expense	Base	N	42343	42633847	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	REMEDIATE TCI WELDS PLEASANT CREEK	Close-Out	4/1/2016	8/29/2016	10/27/2016	9/19/2016	N	N	Y	314,667	324,891	324,891	324,891		N/A		N/A	Local Trans-Systemwide-Yolo County
800	Expense	Base	N	42344	42633848	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	REMEDIATE TCI WELDS VERNALIS	Close-Out	4/1/2016	8/11/2016	9/17/2016	8/31/2016	N	N	Y	493,619	503,235	503,235	503,235		N/A		N/A	Local Trans-Systemwide-San Joaquin County
801	Expense	Base	N	42356	42661817	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	DELEVAN CS SWITCHGEAR UPGRADE	Close-Out	3/28/2016	11/14/2016	12/23/2016	11/22/2016	N	N	Y	250,554	281,648	281,648	431,652		N/A		N/A	Willows-North Valley-Colusa County
802	Expense	Base	N	42405	42654643	JT	GT Reliability & Gen	JTY	JTG Safety Work	5010517-REPLACE REWORK EQUIPMENT	MCDI K7/ K7/ K9 COMPRESSION SVCS (2016)	Construction	8/9/2016	11/1/2016	12/28/2017	12/28/2017	Y	N	N	215,589	215,589	215,589	2,615,589		N/A		N/A	Mcdonald Island-Diablo-San Joaquin County
803	Expense	Base	N	42499	42671647	JT	GT Reliability & Gen	JT6	Shorts	5017903-0804-03 UPRATE LAFAYETTE DFM	RT-797 DFM-1204-01 MP 0.00-0.001 REPLACE	Engineering/Permitting	4/13/2016	2/19/2020	3/16/2020	3/4/2020	N	Y	N	15,388	15,620	15,620	655,620		N/A		N/A	Local Trans-south-Fresno-Fresno County
804	Expense	Base	N	42500	42676653	JT	GT Reliability & Gen	JT6	Shorts	5017903-0804-03 UPRATE LAFAYETTE DFM	RT-798 DCUST1352 MP 0.00 REPLACE	Engineering/Permitting	4/13/2016	2/19/2020	3/16/2020	3/4/2020	N	Y	N	6,582	6,814	6,814	646,814		N/A		N/A	Local Trans-south-Fresno-Fresno County
805	Expense	Base	N	42513	42671649	JT	GT Reliability & Gen	JT6	Shorts	5017903-0804-03 UPRATE LAFAYETTE DFM	RT-780 L-021H MP 2.74 REPLACE	Engineering/Permitting	4/13/2016	2/27/2019	3/25/2019	3/13/2019	N	Y	N	6,123	6,587	6,587	646,587		N/A		N/A	Local Trans-north-North Bay-san Rafael-Solano Coun
806	Expense	Base	N	42519	42676650	JT	GT Reliability & Gen	JT6	Shorts	5017903-0804-03 UPRATE LAFAYETTE DFM	RT-777 DREG3812 MP 0.00-0.0066 REPLACE	Engineering/Permitting	4/13/2016	2/27/2019	3/25/2019	3/13/2019	N	Y	N	5,908	6,139	6,139	668,639		N/A		N/A	Local Trans-north-Diablo-Mendocino County
807	Expense	Base	N	42529	42671651	JT	GT Reliability & Gen	JT6	Shorts	5017903-0804-03 UPRATE LAFAYETTE DFM	RT-781 DREG6912 MP 0.003-0.010 REPLACE	Engineering/Permitting	4/13/2016	2/27/2019	3/25/2019	3/13/2019	N	Y	N	5,352	5,816	5,816	645,816		N/A		N/A	Local Trans-north-North Bay-san Rafael-Solano Coun
808	Expense	Base	N	42566	42661809	JT	GT Reliability & Gen	JTA	Pipeline WRO Expense	5010516-WRO CONFLICTS N/S ANTIOCH TERM NEW ROAD	316S_316D_316L_TEST&CLEAN_PIPELINES	Engineering/Permitting	7/6/2016	7/22/2017	9/29/2017	9/6/2017	Y	Y	N	36,377	37,608	37,608	2,037,607		N/A		N/A	Tracy-Diablo-Contra Costa County
809	Expense	Base	N	42665	84001473	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	103 MP 3.82-4.20 TEST	Engineering/Permitting	3/29/2016	5/10/2017	10/26/2017	10/2/2017	N	Y	N	42 366	43 040	43 040	739 540		N/A		N/A	Local Trans-south-Central Coast-San Benito County
810	Expense	Base	N	42666	84001476	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	1601-09 MP 0.471-0.860 TEST	Construction	4/1/2016	4/1/2016	1/28/2019	1/28/2019	N	Y	N	4,330	6,462	6,462	1,090,462		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
811	Expense	Base	N	42667	84001474	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	CANC 7226-01 MP 4.60-5.59 TEST	Construction	5/1/2016	5/1/2016	1/28/2021	1/28/2021	N	Y	N	861	1,198	1,198	724,198		N/A		N/A	Local Trans-north-Stockton-Stanislaus County
812	Expense	Base	N	42669	84001441	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	0604-24 MP 0.00-0.004 TEST	Construction	4/1/2016	4/1/2016	1/28/2020	1/28/2020	N	Y	N	1,123	1,586	1,586	1,021,586		N/A		N/A	Local Trans-north-Sacramento-Sacramento County

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
813	Expense	Base	N	42673	84001462	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	GCUST5815 MP 0.076-0.052 TEST	Construction	4/1/2016	4/1/2016	1/28/2018	1/28/2018	N	Y	N	1,147	1,610	1,610	646,610		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
814	Expense	Base	N	42674	84001463	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-108 MP 6.208-6.25 TEST T-1171	Engineering/Permitting	3/29/2016	4/13/2020	6/19/2020	5/26/2020	N	Y	N	2,794	3,335	3,335	726,335		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
815	Expense	Base	N	42675	84001464	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	197A MP 31.2295-32.2405 TEST	Engineering/Permitting	7/1/2016	5/1/2020	8/7/2020	7/17/2020	Y	Y	N	18 211	28 261	28 261	6 085 486		N/A		N/A	Local Trans-north-Stockton-Calaveras County
816	Expense	Base	N	42676	84001465	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	1613-05 MP 0.0056-0.1717 TEST	Construction	4/1/2016	4/1/2016	1/28/2020	1/28/2020	N	Y	N	1,525	1,989	1,989	1,021,989		N/A		N/A	Local Trans-north-Stockton-San Joaquin County
817	Expense	Base	N	42689	84001420	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	TEST T-1152 FOR NEES DFM 7203-01 UPRATE	Close-Out	5/31/2016	10/3/2016	12/30/2016	12/17/2016	N	N	Y	930,053	966,362	966,362	1,845,038		N/A		N/A	Local Trans-south-Yosemite-Fresno County
818	Expense	Base	N	42770	42678996	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	RMSCC15-301G DIGS	Engineering/Permitting	4/26/2016	2/6/2018	3/17/2018	2/20/2018	N	Y	N	35,299	43,766	43,766	483,117		N/A		N/A	Systemwide-Systemwide-San Benito County
819	Expense	Base	N	42791	84001701	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	DREG3867 MP 0.00-0.03 TEST	Construction	6/1/2016	6/1/2016	1/28/2021	1/28/2021	N	Y	N	7 394	37 346	37 346	682 346		N/A		N/A	Local Trans-north-North Bay-san Rafael-Marin Count
820	Expense	Base	N	42792	84001702	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	DFDS3543 MP 0.00-0.003 TEST	Construction	6/1/2016	6/1/2016	1/28/2018	1/28/2018	N	Y	N	3,704	4,145	4,145	729,145		N/A		N/A	Local Trans-north-North Bay-san Rafael-Marin Count
821	Expense	Base	N	42878	42692083	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	BRENTWOOD TERMINAL TCI WELD ASSESSMENT	Close-Out	5/13/2016	10/26/2016	11/28/2016	11/9/2016	N	N	Y	300,303	303,923	303,923	309,298		N/A		N/A	Systemwide-Systemwide-Contra Costa County
822	Expense	Base	N	42879	42692084	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	LAKES VALVE LOT TCI WELD ASSESSMENT	Close-Out	5/13/2016	11/4/2016	12/7/2016	11/18/2016	N	N	Y	382,150	386,809	386,809	404,180		N/A		N/A	Systemwide-Systemwide-Contra Costa County
823	Expense	Base	N	42919	84001822	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS UPRATES CNG/LNG	DFM 1881-01 GCUST5876 GCUST5877 TEST	Construction	7/1/2016	7/1/2016	1/28/2022	1/28/2022	Y	N	N	73 614	73 614	73 614	718 614		N/A		N/A	Local Trans-south-Central Coast-Monterey County
824	Expense	Base	N	42922	84001900	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-306 MP 0.00-0.05 TEST	Construction	8/1/2016	8/1/2016	5/30/2017	5/30/2017	Y	N	N	38,109	38,109	38,109	728,109		N/A		N/A	Local Trans-south-Fresno-Kings County
825	Expense	Base	N	42931	42703965	JT	GT Reliability & Gen	JTH	Permits & Fees	5010509-GSM&TS PERMITS AND FEES	BLM FEES FOR TOPOCK EVAP PONDS	Construction	5/19/2016	7/1/2016	7/28/2022	7/28/2022	N	Y	N	2,050	2,139	2,139	387,094		N/A		N/A	Topock-Kern
826	Expense	Base	N	42977	42708440	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	LOS MEDANOS INSPECT COLLECTION HEADER	Construction	8/1/2016	8/1/2016	4/28/2017	4/28/2017	Y	N	N	297,459	297,459	297,459	305,459		N/A		N/A	Los Medanos-Diablo-Contra Costa County
827	Expense	Base	N	43078	84001821	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	NT ILI L-215 PATTERSON MP 0.27-5.04	Close-Out	6/8/2016	6/25/2016	10/28/2016	6/30/2016	N	N	Y	1,660,843	1,680,482	1,680,482	1,710,482		N/A		N/A	Local Trans-south-Yosemite-modesto-Stanislaus Coun
828	Expense	Base	N	43177	84002000	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	I-264 L-132 MP 43.66-45.33 SAN BRUNO	Close-Out	6/10/2016	10/20/2016	11/22/2016	11/7/2016	N	N	Y	1,225,640	1,225,640	1,225,640	2,559,348		N/A		N/A	Local Trans-south-Central Coast-San Mateo County
829	Expense	Base	N	43195	42740130	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	RT-849 300A_MP405.20_BULLETDAMAGEMITIGAT	Engineering/Permitting	7/13/2016	3/27/2017	4/12/2017	3/31/2017	Y	N	N	26,817	26,817	26,817	261,817		N/A		N/A	Local Trans-south-Fresno-San Benito County
830	Expense	Base	N	43208	42742316	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ISOLATION TC-7N (2016)	Construction	7/18/2016	8/1/2016	3/31/2017	3/31/2017	Y	N	N	334,350	334,350	334,350	334,350		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
831	Expense	Base	N	43209	42742318	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ISOLATION TC-1AS (2016)	Construction	7/18/2016	8/1/2016	3/31/2017	3/31/2017	Y	N	N	368,402	368,402	368,402	368,402		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
832	Expense	Base	N	43210	42742319	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ISOLATION TC-4N (2016)	Construction	7/18/2016	8/1/2016	3/31/2017	3/31/2017	Y	N	N	290,174	290,174	290,174	290,174		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
833	Expense	Base	N	43211	42743360	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ASSESSMENT WS-3E (2016)	Close-Out	7/11/2016	11/14/2016	12/19/2016	12/8/2016	Y	N	Y	617,686	617,686	617,686	617,686		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
834	Expense	Base	N	43212	42743361	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ASSESSMENT TC-7N (2016)	Construction	7/11/2016	12/15/2016	1/20/2017	1/10/2017	Y	N	N	581,908	581,908	581,908	581,908		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
835	Expense	Base	N	43213	42743362	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ASSESSMENT TC-10 (2016)	Construction	7/11/2016	12/1/2016	1/5/2017	12/23/2016	Y	N	N	531,831	531,831	531,831	531,831		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
836	Expense	Base	N	43214	42743363	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ASSESSMENT TC-1AS (2016)	Close-Out	7/11/2016	10/31/2016	12/6/2016	11/23/2016	Y	N	Y	512 060	512 060	512 060	512 060		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
837	Expense	Base	N	43221	42742302	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ISOLATION WS-3E (2016)	Construction	7/18/2016	8/1/2016	12/31/2017	12/31/2017	Y	N	N	397,120	397,120	397,120	397,120		N/A		N/A	Mcdonald Island-San Joaquin County
838	Expense	Base	N	43346	84002101	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-167 MP 4.12-16.66 TEST T-1242	Engineering/Permitting	7/1/2016	5/1/2018	8/20/2018	7/20/2018	Y	N	N	126,749	126,749	126,749	9,038,249		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
839	Expense	Base	N	43347	84002100	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300B MP 327.88-335.6 TEST T-1241A	Engineering/Permitting	10/27/2016	4/21/2017	11/7/2017	9/23/2017	Y	N	N	113,018	113,018	113,018	11,712,768		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
840	Expense	Base	N	43348	84002099	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300B MP 299.01-307.77 TEST T-1240A	Engineering/Permitting	10/27/2016	4/21/2017	11/7/2017	9/23/2017	Y	N	N	135 529	135 529	135 529	20 986 279		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
841	Expense	Base	N	43356	84002090	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300B MP 226.75-229.07 TEST T-1232A	Engineering/Permitting	7/25/2016	1/23/2017	6/3/2017	4/28/2017	Y	N	N	381,315	381,315	381,315	381,315		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
842	Expense	Base	N	43357	84002089	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300A MP 203.04-207.23 TEST T-1231A	Engineering/Permitting	7/25/2016	5/2/2017	9/11/2017	7/29/2017	Y	N	N	357,884	357,884	357,884	357,884		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
843	Expense	Base	N	43358	84002088	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300A MP 218.73-222.42 TEST T-1230A	Engineering/Perm tting	7/25/2016	6/13/2017	11/22/2017	9/27/2017	Y	N	N	357,768	357,768	357,768	357,768		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
844	Expense	Base	N	43359	84002087	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300B MP 110-113.96 TEST T-1229A	Engineering/Perm tting	7/25/2016	9/5/2017	1/11/2018	11/30/2017	Y	N	N	88 712	88 712	88 712	14 588 712		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
845	Expense	Base	N	43360	84002086	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300B MP 90-94 TEST T-1228A	Engineering/Perm tting	7/25/2016	10/6/2017	3/28/2018	2/14/2018	Y	N	N	136,452	136,452	136,452	14,636,452		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
846	Expense	Base	N	43361	84002085	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300B MP 69.99-74 TEST T-1227A	Engineering/Perm tting	7/25/2016	12/4/2017	5/12/2018	3/31/2018	Y	N	N	56,911	56,911	56,911	14,556,911		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
847	Expense	Base	N	43362	84002084	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300B MP 50.61-54 TEST T-1226A	Engineering/Perm tting	7/25/2016	2/15/2018	7/28/2018	6/16/2018	Y	N	N	74,125	74,125	74,125	14,131,875		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
848	Expense	Base	N	43363	84002083	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300A MP 110-114 TEST T-1225A	Engineering/Perm tting	7/25/2016	2/19/2018	8/14/2018	7/3/2018	Y	N	N	77,141	77,141	77,141	14,502,141		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
849	Expense	Base	N	43364	84002082	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300A MP 90-94 TEST T-1224A	Engineering/Perm tting	7/25/2016	11/29/2017	6/15/2018	5/4/2018	Y	N	N	74,981	74,981	74,981	14,504,981		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
850	Expense	Base	N	43365	84002081	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300A MP 70-74 TEST T-1223A	Engineering/Perm tting	7/25/2016	9/28/2017	2/5/2018	1/22/2018	Y	N	N	112,037	112,037	112,037	14,502,037		N/A		N/A	Local Trans-north-East Bay-south-San Bernardino Co
851	Expense	Base	N	43366	84002080	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-300A MP 51-54 T-1222A	Engineering/Perm tting	7/25/2016	9/5/2017	1/8/2018	11/28/2017	Y	N	N	112,450	112,450	112,450	13,787,450		N/A		N/A	Local Trans-south-Systemwide-San Bernardino County
852	Expense	Base	N	43416	42759626	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ISOLATION MCD-9 (2016)	Close-Out	8/1/2016	8/1/2016	10/10/2016	10/10/2016	Y	N	Y	573,517	573,517	573,517	573,517		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
853	Expense	Base	N	43460	42758301	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	DCVG DIGS FOR NILES UPRATE	Construction	8/12/2016	12/2/2016	1/12/2017	12/16/2016	Y	N	N	337,556	337,556	337,556	337,556		N/A		N/A	Local Trans-north-Mission-Alameda County
854	Expense	Base	N	43479	42759632	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	RT-860 210B_10.556_CUT OUT	Close-Out	8/8/2016	8/15/2016	9/1/2016	9/1/2016	Y	N	Y	440,768	440,768	440,768	460,768		N/A		N/A	Local Trans-north-Sac-vacadixon-Solano County
855	Expense	Base	N	43487	84002200	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-300B MP 344.79-345.95 TEST T-1251A	Engineering/Permitting	8/1/2016	4/21/2017	11/7/2017	9/23/2017	Y	N	N	97,085	97,085	97,085	7,194,585		N/A		N/A	Local Trans-south-Fresno-Fresno County
856	Expense	Base	N	43488	84002201	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-301A MP 5.26-11.23 TEST T-1199A	Engineering/Permitting	8/24/2016	7/7/2017	10/16/2017	10/2/2017	Y	N	N	154,051	154,051	154,051	5,439,991		N/A		N/A	Local Trans-south-Central Coast-San Benito County
857	Expense	Base	N	43489	84002202	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-301A MP 13.39-16.26 TEST T-1199D	Engineering/Permitting	8/18/2016	7/7/2017	10/16/2017	10/2/2017	Y	N	N	109,520	109,520	109,520	2,174,520		N/A		N/A	Local Trans-south-Central Coast-San Benito County
858	Expense	Base	N	43496	42765999	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	TRANSMISSION DEFINITION REVISION	Construction	8/1/2016	8/1/2016	12/31/2017	12/31/2017	Y	N	N	392,476	392,476	392,476	392,476		N/A		N/A	Systemwide-Systemwide-Multiple Counties
859	Expense	Base	N	43580	84002280	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-197C MP 0-8.47 TEST T-1253	Engineering/Permitting	8/1/2016	3/12/2018	6/11/2018	5/8/2018	Y	N	N	35,058	35,058	35,058	6,520,058		N/A		N/A	Local Trans-north-Systemwide-Amador County
860	Expense	Base	N	43581	84002281	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-197C MP 8.47-14.73 TEST T-1254	Engineering/Permitting	8/1/2016	3/12/2018	6/11/2018	5/8/2018	Y	N	N	28,642	28,642	28,642	4,353,642		N/A		N/A	Local Trans-north-Systemwide-Amador County
861	Expense	Base	N	43582	84002282	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-134A MP 0-11.82 TEST T-1255	Engineering/Permitting	9/1/2016	9/1/2016	12/31/2017	12/31/2017	Y	N	N	101 981	101 981	101 981	8 670 981		N/A		N/A	Local Trans-south-Yosemite-merced-Madera County
862	Expense	Base	N	43583	84002283	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-134A MP 11.82-21.58 TEST T-1256	Construction	9/1/2016	9/1/2016	12/31/2017	12/31/2017	Y	N	N	57,078	57,078	57,078	7,133,078		N/A		N/A	Local Trans-south-Yosemite-merced-Napa County
863	Expense	Base	N	43587	84002287	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-021B MP 2.32-10.83 TEST T-1260	Engineering/Permitting	8/1/2016	3/13/2017	6/8/2017	4/27/2017	Y	N	N	79,558	79,558	79,558	6,605,058		N/A		N/A	Local Trans-south-Systemwide-Napa County
864	Expense	Base	N	43588	84002288	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-021B MP 14.8-18.19 TEST T-1261	Engineering/Permitting	8/1/2016	3/13/2017	6/8/2017	5/18/2017	Y	N	N	35,024	35,024	35,024	2,818,824		N/A		N/A	Local Trans-south-Systemwide-Napa County
865	Expense	Base	N	43592	42773109	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	L-57A TCI WELDS	Engineering/Permitting	9/14/2016	1/20/2017	2/16/2017	2/3/2017	Y	N	N	267 212	267 212	267 212	306 327		N/A		N/A	Systemwide-Systemwide-San Joaquin County
866	Expense	Base	N	43657	42776762	JT	GT Reliability & Gen	JTY	JTG Safety Work	5023401-GT CLASS LOCATION-YO	MCD IS - CONTROLS EVALUATION	Construction	9/1/2016	9/1/2016	12/31/2017	12/31/2017	Y	N	N	78,561	78,561	78,561	334,561		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
867	Expense	Base	N	43989	42810694	JT	GT Reliability & Gen	JTZ	Wells	5010517-REPLACE REWORK EQUIPMENT	MCD IS WELL ASSESSMENT MCD-9 (2016)	Close-Out	7/11/2016	10/17/2016	11/4/2016	10/26/2016	Y	N	Y	313,119	313,119	313,119	313,119		N/A		N/A	Mcdonald Island-Stockton-San Joaquin County
868	Expense	Base	N	44042	42796089	JT	GT Reliability & Gen	JTD	Pipeline Other	5022450-GT PAINTING & COATING MAINTENANCE	1312-02 0.55-0.64 INVESTIGATE DAMAGE	Engineering/Permitting	11/1/2016	11/1/2016	12/31/2017	12/31/2017	Y	N	N	10,781	10,781	10,781	1,516,697		N/A		N/A	Local Trans-north-North Coast-eureka-Trinity Count
869	Expense	Base	N	44101	42806307	JT	GT Reliability & Gen	JTY	JTG Safety Work	5023401-GT CLASS LOCATION-YO	TOPOCK K6 & K9 PRESSURIZING LINE REPAIRS	Engineering/Permitting	10/1/2016	10/1/2016	2/28/2017	2/28/2017	Y	N	N	313 799	313 799	313 799	333 799		N/A		N/A	Topock-Kern-San Bernardino County
870	Expense	Base	N	44517	84002581	JT	GT Reliability & Gen	JTC	Pressure Tests	5017903-0804-03 UPRATE LAFAYETTE DFM	L-301A MP 11.46-13.39 TEST T-1199C	Construction	11/1/2016	11/1/2016	10/28/2017	10/28/2017	Y	N	N	20,733	20,733	20,733	1,450,733		N/A		N/A	Local Trans-south-Central Coast-San Benito County
871	Expense	Base	N	44615	42880442	JT	GT Reliability & Gen	JT6	Shorts	5041311-PIPE REPLACEMENTS - (<50FT)	L-132 AT MP 51.53 REPL (SEG 211)	Construction	11/15/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	750,817	750,817	750,817	750,817		N/A		N/A	Local Trans-Systemwide-San Francisco County
872	Expense	Base	N	44627	42882700	JT	GT Reliability & Gen	JTR	Inoperable_Hard to T	5023401-GT CLASS LOCATION-YO	8805-03 MP 2.45 REPAIR V-49-I4A	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	365,084	365,084	365,084	365,084		N/A		N/A	Local Trans-south-De Anza-Santa Clara County
873	Expense	Base	N	44733	84002960	JT	GT Reliability & Gen	JT4	Shallow Pipe	5023401-GT CLASS LOCATION-YO	L-402 MP 34.97 EXPOSED PIPE	Construction	12/1/2016	12/1/2016	12/31/2017	12/31/2017	Y	N	N	332,223	332,223	332,223	332,223		N/A		N/A	Local Trans-north-North Valley-Shasta County
874	Expense	Base	N	624682	41802083	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-PROGRAM DEVELOPMENT -- 2012 VEG. MGM	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	1,096,114	1,096,114	4,976,769	4,976,769		N/A		N/A	Systemwide-Systemwide-Multiple Counties
875	Expense	Base	N	624686	41802087	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - HUMBOLDT - VEGETATION	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	1,624,083	1,624,083	2,345,293	2,345,293		N/A		N/A	Systemwide-Systemwide-Trinity County
876	Expense	Base	N	624687	41802088	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - FRESNO - VEGETATION MG	Engineering/Permitting	11/1/2012	11/1/2012	12/28/2016	12/28/2016	N	N	Y	23,247	23,247	1,520,265	1,520,265		N/A		N/A	Systemwide-Systemwide-Fresno County
877	Expense	Base	N	624688	41802089	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - KERN - VEGETATION MGMT	Engineering/Permitting	11/1/2012	11/1/2012	12/28/2016	12/28/2016	N	N	Y	140,101	140,101	943,344	943,344		N/A		N/A	Systemwide-Systemwide-Kern County
878	Expense	Base	N	624689	41802090	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - YOSEMITE - VEGETATION	Engineering/Permitting	11/1/2012	11/1/2012	12/28/2016	12/28/2016	N	N	Y	76,056	76,056	2,829,917	2,829,917		N/A		N/A	Systemwide-Systemwide-Merced County
879	Expense	Base	N	624690	41802091	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - STOCKTON - VEGETATION	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	667,455	667,455	2,427,300	2,427,300		N/A		N/A	Systemwide-Systemwide-San Joaquin County
880	Expense	Base	N	624691	41802092	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - CENTRAL COAST - VEG. M	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	2,891,256	2,891,256	4,789,231	4,789,231		N/A		N/A	Systemwide-Systemwide-Monterey County
881	Expense	Base	N	624692	41802093	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - DE ANZA - VEGETATION M	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	561,298	561,298	1,569,888	1,569,888		N/A		N/A	Systemwide-Systemwide-Santa Clara County
882	Expense	Base	N	624693	41802094	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - DIABLO - VEGETATION MG	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	1,381,978	1,381,978	4,854,885	4,854,885		N/A		N/A	Systemwide-Systemwide-Contra Costa County
883	Expense	Base	N	624694	41802095	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - EAST BAY - VEGETATION	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	335,305	335,305	1,250,679	1,250,679		N/A		N/A	Systemwide-Systemwide-Contra Costa County
884	Expense	Base	N	624695	41802096	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - SAN JOSE - VEGETATION	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	1,107,332	1,107,332	2,003,958	2,003,958		N/A		N/A	Systemwide-Systemwide-Santa Clara County
885	Expense	Base	N	624696	41802097	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - LOS PADRES - VEG. MGMT	Engineering/Permitting	3/1/2013	3/1/2013	12/28/2016	12/28/2016	N	N	Y	15,884	15,884	576,256	576,256		N/A		N/A	Systemwide-Systemwide-San Luis Obispo County
886	Expense	Base	N	624697	41802098	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - MISSION - VEGETATION M	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	1 678 904	1 678 904	3 161 079	3 161 079		N/A		N/A	Systemwide-Systemwide-Alameda County
887	Expense	Base	N	624698	41802099	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - NORTH BAY - VEGETATION	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	1,804,100	1,804,100	2,491,735	2,491,735		N/A		N/A	Systemwide-Systemwide-Napa County
888	Expense	Base	N	624699	41802100	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - N. VALLEY - VEGETATION	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	670,562	670,562	5,351,344	5,351,344		N/A		N/A	Systemwide-Systemwide-Butte County
889	Expense	Base	N	624700	41802101	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - PENINSULA - VEGETATION	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	1,288,154	1,288,154	2,620,376	2,620,376		N/A		N/A	Systemwide-Systemwide-San Mateo County
890	Expense	Base	N	624701	41802102	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - SACRAMENTO - VEG. MGMT	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	3 050 759	3 050 759	5 353 147	5 353 147		N/A		N/A	Systemwide-Systemwide-Sacramento County
891	Expense	Base	N	624703	41802104	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS - SIERRA - VEGETATION MG	Engineering/Permitting	11/1/2012	11/1/2012	1/28/2017	1/28/2017	N	Y	N	529,164	529,164	918,275	918,275		N/A		N/A	Systemwide-Systemwide-Placer County
892	Expense	Base	N	626794	41850875	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	PROJECT MANAGEMENT OFFICE - GENERAL	Engineering/Permitting	2/1/2013	2/1/2013	1/28/2017	1/28/2017	N	Y	N	1,409,825	1,409,825	3,560,384	3,560,384		N/A		N/A	Systemwide-Systemwide
893	Expense	Base	N	629314	41875559	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	BURNEY LINES - 400 / LINE 401 VEG REM	Engineering/Permitting	7/1/2013	7/1/2013	1/28/2017	1/28/2017	N	Y	N	385,333	385,333	2,125,803	2,125,803		N/A		N/A	Systemwide-Systemwide-Shasta County
894	Expense	Base	N	630880	41897684	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	CUSTOMER SETTLEMENTS CONSTRUCTION	Engineering/Permitting	5/1/2013	5/1/2013	1/28/2017	1/28/2017	N	Y	N	2 475 665	2 475 665	6 442 405	6 442 405		N/A		N/A	Systemwide-Systemwide-Multiple Counties
895	Expense	Base	N	630981	41901979	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LOCAL TRANS-SONOMA-VEG.MGMT	Engineering/Permitting	5/1/2013	5/1/2013	1/28/2017	1/28/2017	N	Y	N	851,325	851,325	1,449,482	1,449,482		N/A		N/A	Systemwide-Systemwide-Multiple Counties
896	Expense	Base	N	631549	41911666	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	ENVIRONMENTAL SERVICE- BAY AREA	Engineering/Permitting	10/1/2013	10/1/2013	1/28/2017	1/28/2017	N	Y	N	1,414,753	1,414,753	1,807,837	1,807,837		N/A		N/A	Systemwide-Systemwide-Multiple Counties
897	Expense	Base	N	631552	41911671	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	LOW EFFECT HCP FOR GL VEG- SANTA CRUZ/MO	Engineering/Permitting	9/1/2013	9/1/2013	1/28/2017	1/28/2017	N	Y	N	153,999	153,999	552,791	552,791		N/A		N/A	Systemwide-Systemwide-Multiple Counties
898	Expense	Base	N	632266	41928504	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	FIELD VERIFICATION AND INVENTORY OF PLCL	Engineering/Permitting	9/1/2013	9/1/2013	12/28/2016	12/28/2016	N	N	Y	33 459	33 459	3 810 085	3 810 085		N/A		N/A	Systemwide-Systemwide
899	Expense	Base	N	634207	41966649	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	L-177 LINE REVIEW SURVEY	Engineering/Permitting	1/1/2014	1/1/2014	11/28/2016	11/28/2016	N	N	Y	79,020	79,020	266,866	266,866		N/A		N/A	Systemwide-Systemwide-Multiple Counties
900	Expense	Base	N	637234	42065997	JT	GT Reliability & Gen	JTB	General Pipe Repair	5010515-PIPELINE REPAIR , ROW	OCW MR GML1 MANT OTHR MARIPOSA ENERGY M	Engineering/Permitting	1/1/2014	1/1/2014	1/28/2014	1/28/2014	N	N	N			1,089	1,089		N/A	2015	N/A	Systemwide-Systemwide-San Joaquin County
901	Expense	Base	N	647987	42329397	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-402 MP 10.14-27.41 TEST T-1003	Engineering/Permitting	2/1/2015	2/1/2015	12/28/2016	12/28/2016	N	N	Y	21,360	21,360	1,211,967	1,211,967		N/A		N/A	Systemwide-Systemwide-Shasta County
902	Expense	Base	N	650582	42368674	JT	GT Reliability & Gen	JTC	Pressure Tests	5010514-PIPELINE HYDROTESTS , UPRATES , CNG/LNG	L-402 MP 27.41-38.15 TEST T-1108	Engineering/Permitting	4/1/2015	4/1/2015	11/28/2016	11/28/2016	N	N	Y	22,819	22,819	443,461	443,461		N/A		N/A	Systemwide-Systemwide-Shasta County
903	Expense	Base	N	655165	42458470	JT	GT Reliability & Gen	JTD	Pipeline Other	5024010-GT PIPELINE OTHER	PANOCHE STAND BY GEN FAIL ALARM IS IN	Engineering/Permitting	N/A	N/A	N/A	N/A	N	N	N						N/A	2015	N/A	Systemwide-Systemwide
904	Expense	Base	N	663930	42597980	JT	GT Reliability & Gen	JTG	Storage Well	5010517-REPLACE REWORK EQUIPMENT	GAS INCIDENT DISCOVERY BAY VALVE INCID	Engineering/Permitting	12/1/2015	12/1/2015	11/28/2016	11/28/2016	N	N	Y	7,371	7,371	1,615,337	1,615,337		N/A		N/A	Systemwide-Systemwide-Contra Costa County
905	Expense	Base	N	693306	42741550	JT	GT Reliability & Gen	JTZ	Wells	5023401-GT CLASS LOCATION-YO	WELLS - EMERGENCY RESPONSE PLANNING	Engineering/Permitting	10/1/2016	10/1/2016	12/28/2016	12/28/2016	Y	N	Y	595,300	595,300	595,300	595,300		N/A		N/A	Systemwide-Systemwide-San Joaquin County
906	Expense	Base	N	719176	8125184	JT	GT Reliability & Gen			5023401-GT CLASS LOCATION-YO	GT RELIABILITY & MAINT QA/QC SUPPORT	Engineering/Permitting	2/1/2013	2/1/2013	12/28/2016	12/28/2016	N	N	Y	600,295	600,295	694,065	694,065		N/A		N/A	Systemwide-Systemwide-Multiple Counties
907	Expense	Base	N	719287	8140149	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	RIGHT OF WAY DIRECTOR PCC COSTS	Engineering/Permitting	3/1/2013	3/1/2013	12/28/2016	12/28/2016	N	N	Y	321,202	321,202	3,854,711	3,854,711		N/A		N/A	Systemwide-Systemwide
908	Expense	Base	N	719301	8142025	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	PIPELINE PATROL SUPPORT FOR P2,P3,P4 -13	Engineering/Permitting	4/1/2013	4/1/2013	1/28/2017	1/28/2017	N	Y	N	658,374	658,374	3,714,238	3,714,238		N/A		N/A	Systemwide-Systemwide
909	Expense	Base	N	719306	8143553	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	PIPELINE CUSTOMER SUPPORT P2,P3,P4-13	Engineering/Permitting	6/1/2013	6/1/2013	1/28/2017	1/28/2017	N	Y	N	248,007	248,007	1,128,542	1,128,542		N/A		N/A	Systemwide-Systemwide
910	Expense	Base	N	719316	8143683	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	CUSTOMER SATISFACTION SURVEY PIPELINE PA	Engineering/Permitting	6/1/2013	6/1/2013	1/28/2017	1/28/2017	N	Y	N	62,042	62,042	288,972	288,972		N/A		N/A	Systemwide-Systemwide
911	Expense	Base	N	719331	8146415	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	CUSTOMER CARE-KEADJIAN	Engineering/Permitting	8/1/2013	8/1/2013	1/28/2017	1/28/2017	N	Y	N	2 719 885	2 719 885	4 228 700	4 228 700		N/A		N/A	Systemwide-Systemwide-Multiple Counties
912	Expense	Base	N	719332	8146416	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	CORPORATE AFFAIRS-KEADJIAN	Engineering/Permitting	8/1/2013	8/1/2013	1/28/2017	1/28/2017	N	Y	N	1,087,521	1,087,521	3,766,900	3,766,900		N/A		N/A	Systemwide-Systemwide-Multiple Counties
913	Expense	Base	N	719344	8148238	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	GIS ENCROACHMENT LAYER LAND	Engineering/Permitting	12/1/2013	12/1/2013	1/28/2017	1/28/2017	N	Y	N	307,579	307,579	1,594,078	1,594,078		N/A		N/A	Systemwide-Systemwide-Multiple Counties
914	Expense	Base	N	719349	8148623	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	LAND DEPT SUPPORT PIPELINE PATHWAYS	Engineering/Permitting	11/1/2013	11/1/2013	1/28/2017	1/28/2017	N	Y	N	6,560,253	6,560,253	16,681,245	16,681,245		N/A		N/A	Systemwide-Systemwide

Table 3-1
GT CAPITAL AND EXPENSE[a]

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
Line #	Capital/ Expense	PSEP/ Base	Project Listed in Previous CPUC Safety Reports (Y/N)	PSRS ID #	Order # / Planning Order #	MWC	MWC Description	MAT	MAT Description	Planning Order Group	Project Name or Work Category	Description of work performed in reporting period	Order Start Date for work started or underway in the reporting period	Construction Start Date	Construction Complete Date	Operative (In Service) Date	Project start in reporting period (Y/N)	Project Underway in Reporting Period (Y/N)	Project completed in reporting period (Y/N)	Net Amount spent in the Reporting Period	Net Total Amount Spent YTD through End of Reporting Period	Net Total amount spent since project inception to End of Reporting Period	Net Total Forecast	Top 100 Report (Report Year or Blank)	HCA (Y/N N/A)	Capital Project Described in any Rate Case Work papers (Case Year or Blank)?[b]	Government Requirement/ Recommendation (Y/N/ N/A)	District/Division/County
915	Expense	Base	N	719356	8148826	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	ENVIRONMENTAL-LAND PLANNER SUPPORT S2S	Engineering/Permitting	1/1/2014	1/1/2014	1/28/2017	1/28/2017	N	Y	N	722,099	722,099	1,652,897	1,652,897		N/A		N/A	Systemwide-Systemwide-Multiple Counties
916	Expense	Base	N	719362	8148832	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	RW_VC_1228_14 CONSTRUCTION	Engineering/Permitting	10/1/2014	10/1/2014	10/28/2016	10/28/2016	N	N	Y	202,671	202,671	293,633	293,633		N/A		N/A	Systemwide-Systemwide-Multiple Counties
917	Expense	Base	N	719366	8148840	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IM PIPELINE PATHWAYS	Engineering/Permitting	1/1/2014	1/1/2014	1/28/2017	1/28/2017	N	Y	N	463 097	463 097	4 118 254	4 118 254		N/A		N/A	Systemwide-Systemwide
918	Expense	Base	N	719793	8150545	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	ENCROACHMENT VALIDATION-2014	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	617,437	617,437	3,868,544	3,868,544		N/A		N/A	Systemwide-Systemwide-Multiple Counties
919	Expense	Base	N	719794	8150546	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	ENCROACHMENT SURVEY	Engineering/Permitting	4/1/2014	4/1/2014	1/28/2017	1/28/2017	N	Y	N	692,826	692,826	1,472,393	1,472,393		N/A		N/A	Systemwide-Systemwide-Multiple Counties
920	Expense	Base	N	720080	8151063	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - CENTRAL COAST - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	136,647	136,647	543,478	543,478		N/A		N/A	Systemwide-Systemwide
921	Expense	Base	N	720082	8151065	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - DIABLO - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	86 633	86 633	736 599	736 599		N/A		N/A	Systemwide-Systemwide
922	Expense	Base	N	720083	8151066	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - EAST BAY - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	19,894	19,894	261,379	261,379		N/A		N/A	Systemwide-Systemwide
923	Expense	Base	N	720086	8151069	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - KERN - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	3,547	3,547	338,523	338,523		N/A		N/A	Systemwide-Systemwide
924	Expense	Base	N	720088	8151071	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - MISSION - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	136,228	136,228	636,382	636,382		N/A		N/A	Systemwide-Systemwide
925	Expense	Base	N	720089	8151072	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - N. VALLEY - VEG	Engineering/Permitting	3/1/2014	3/1/2014	12/28/2016	12/28/2016	N	N	Y	51 760	51 760	722 880	722 880		N/A		N/A	Systemwide-Systemwide
926	Expense	Base	N	720091	8151074	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - PENINSULA - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	82,103	82,103	402,548	402,548		N/A		N/A	Systemwide-Systemwide
927	Expense	Base	N	720092	8151075	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - SACRAMENTO - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	57,821	57,821	407,185	407,185		N/A		N/A	Systemwide-Systemwide
928	Expense	Base	N	720095	8151117	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - SAN JOSE - VEG	Engineering/Permitting	3/1/2014	3/1/2014	1/28/2017	1/28/2017	N	Y	N	42,601	42,601	467,606	467,606		N/A		N/A	Systemwide-Systemwide
929	Expense	Base	N	720098	8151120	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - STOCKTON - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	21,852	21,852	286,092	286,092		N/A		N/A	Systemwide-Systemwide
930	Expense	Base	N	720099	8151121	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-LAND DEPT - YOSEMITE - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	5,644	5,644	414,203	414,203		N/A		N/A	Systemwide-Systemwide
931	Expense	Base	N	720426	8151638	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-CUSTOMER CARE - DIABLO - VEG	Engineering/Permitting	2/1/2014	2/1/2014	1/28/2017	1/28/2017	N	Y	N	25,936	25,936	371,569	371,569		N/A		N/A	Systemwide-Systemwide
932	Expense	Base	N	720433	8151645	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-CUSTOMER CARE - N. VALLEY - VEG	Engineering/Permitting	6/1/2014	6/1/2014	1/28/2017	1/28/2017	N	Y	N	18,988	18,988	359,176	359,176		N/A		N/A	Systemwide-Systemwide
933	Expense	Base	N	720442	8151654	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	IIC-CUSTOMER CARE - YOSEMITE - VEG	Engineering/Permitting	2/1/2014	2/1/2014	8/28/2016	8/28/2016	N	N	Y	418	418	308,881	308,881		N/A		N/A	Systemwide-Systemwide
934	Expense	Base	N	723896	8158735	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	RW_VC_4222_14 CONSTRUCTION	Engineering/Permitting	5/1/2016	5/1/2016	10/28/2016	10/28/2016	N	N	Y	320,790	320,790	320,790	320,790		N/A		N/A	Systemwide-Systemwide
935	Expense	Base	N	724943	8166389	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	MARK & LOCATE (LAND)	Engineering/Permitting	7/1/2015	7/1/2015	1/28/2017	1/28/2017	N	Y	N	129,907	129,907	304,274	304,274		N/A		N/A	Systemwide-Systemwide
936	Expense	Base	N	726058	8169369	JT	GT Reliability & Gen	JTP	Right-of-Way	5023401-GT CLASS LOCATION-YO	L-136 LINE REVIEW SURVEY	Engineering/Permitting	1/1/2016	1/1/2016	1/28/2017	1/28/2017	N	N	N	283,456	283,456	283,456	283,456		N/A		N/A	Systemwide-Systemwide
937	Expense	Base	N	728448	9019972	JT	GT Reliability & Gen			5023401-GT CLASS LOCATION-YO	GAS_CORRECT FERC ACCT FOR ORDER 84000401	Engineering/Permitting	7/1/2016	7/1/2016	7/28/2016	7/28/2016	Y	N	Y	416,555	416,555	416,555	416,555		N/A		N/A	Systemwide-Systemwide-Alameda County
938	Expense	PSEP	N	720102	8151181	KE	GT PL Safety Enhance	KE5	PSEP Mariner	5239555-MARINER EXPENSE	AM BACKBONE & STATIONS	Close-Out	12/1/2014	12/1/2014	12/3/2016	12/3/2016	N	N	Y	-7 500	-7 500	1 702 980	1 702 980		N/A		N/A	Systemwide-Systemwide-Multiple Counties

(a) The information provided in this table is as of January 17, 2017, and provides a snapshot in time.

(b) The 2015 GT&S Rate Case designated projects mainly by SAP Planning Order rather than by SAP Actual Order and PSRS ID as was done in the past. Therefore, any subsequent SAP Orders assigned to those SAP specific Planning Orders are also considered part of that rate case, even though they may not have existed during the time of the planning for that rate case.

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX B

PIPELINE SAFETY ENHANCEMENT PLAN

PROJECT STATUS SUMMARY

PACIFIC GAS AND ELECTRIC COMPANY
PROJECT STATUS SUMMARY - COMPLETED, UNDER CONSTRUCTION, YET TO START CONSTRUCTION
JULY 2016 - DECEMBER 2016

Line No.	Order Number	Workstreams	Project Description	Units/Mileage Remaining*	Units/Mileage Completed (Miles/Valves)	Operative/Tie in Date	Status as of December 2016
1	30906362	Replacement	R-031 L-109_3B_1 1.29MI MP 18.61-19.71 REPL PH1		1.34	Jan-15	Tied in.
2	30998244	Replacement	R-166 L-109_3B_2 1.64MI MP 20.38-22.20 REPL PH1		1.8	Jan-15	Tied in.
3	30842206	Replacement	R-205 L-021C 0.55MI MP 31.85-32.39 REPL PH1		0.61	Feb-15	Tied in.
4	30891268	Replacement	R-067 L-109_2B 0.18MI MP 2.82-10.15 REPL PH1		0.29	Feb-15	Tied in.
5	30865390	Replacement	R-016 L-108_3 2.55MI MP 63.49-65.96 REPL PH1		2.55	Mar-15	Tied in.
6	30975821	Replacement	R-158 L-021D 0.62MI MP 18.65-19.27 REPL PH1		0.6	Mar-15	Tied in.
7	30841612	Replacement	R-061 L-196A 2.00MI MP 11.58-13.45 REPL PH1		1.98	Apr-15	Tied in.
8	31070156	Replacement	R-161 DFM-1815-02 6.46MI MP 6.50-16.85 REPL		2.44	May-15	Tied-in
9	30842218, 30999847	Replacement	R-167 L-123 1.83MI MP 4.35-13.74 REPL PH1 and R-059 L-123 4.01MI MP 0.00-9.74 REPL PH1		2.07	Jun-15	Tied in.
10	30975446	Replacement	R-153 L-021C 0.19MI MP 34.84-35.04 REPL PH1		0.24	Aug-15	Tied in.
11	31000412	Replacement	R-187 DFM-1816-15 0.03MI MP 3.04-3.07 REPL PH1		0.03	Aug-15	Tied in.
12	31117502	Replacement	R-531 L-021C SPAN REMOVAL MP 32.21-32.23		0	Aug-15	Tied in.
13	30843897	Replacement	R-060 L-021D 2.65MI MP 19.27-24.49 REPL PH1		1.23	Oct-15	Tied in.
14	31003462	Replacement	R-188B L-220 0.52MI MP 19.37-19.92 REPL PH1		0.34	Nov-15	Tied in.
15	31000408	Replacement	R-185 L-109_4A_2 1.04MI MP 28.60-29.60 REPL PH1		1.12	Nov-16	Tied in.
16	30842214	Replacement	R-046 L-109_4A_1 2.35MI MP 24.84-27.26 REPL PH1	2.35		Oct-18	ENV permits expected to impact productivity and duration of construction. Timing dependent on other L-109 schedules. Working to develop detailed schedule for construction in 2018. Must remove trees in advance of the winter. May double mitigation credit requirements if construction takes more than 1 year or impact determined from clearing and construction to be 1+ year.
17	30897896	Replacement	R-048 L-109_4C 1.26MI MP 30.52-31.76 REPL PH1	1.26		Sep-17	Tree Removal for project occurred in fall of 2016. Waiting on approval of offset construction method by SFPUC/CDFW and encroachment permit from the town of Hillsborough to begin construction in early April 2017.
18	31042712	Replacement	R-240 L-109_4A_3 0.51MI MP 29.60-31.11 REPL PH1	0.51		Jun-18	Project on hold, planning to address via strength test in 2017. Similar to R-052
19	30927104	Replacement	R-052 L-109_3C 0.79 MI MP 23.30-24.00 REPL PH1	0	0	N/A	Moved to hydrotest - project is no longer PSEP.
20	-	Replacement Short	Replacement Short and Emergent Projects Completed in 2015		0.11	2015	Tied in.
21	31100686	Replacement	R-188C L-220 0.29MI MP 19.37-19.69 Replace	0.09		Oct-17	Permits pending from Solano county & Army Corps, later permit is the critical path to MOB for construction. IFC drawings to be issued by end of February. Other than Army Corp permit, MOB date determined by bird survey, if none found we can MOB in July, if not then August.
22	30842302	Valve	V-012 Lomita Park		1	Mar-15	Tied in.
23	30842286	Valve	V-041 Foleys Ranch		6	Apr-15, Sep-15	Tied in.
24	30842317	Valve	V-044 Sheridan		2	Oct-15	Tied in.
25	41482735	ILI	L-101 MP 11.62-33.68 ILI & ANALYSIS PH10		21.9	Jul-15	Tied in.

* Represents planned m leage to be installed or replaced for projects not yet complete.

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX C

PIPELINE SAFETY ENHANCEMENT PLAN COSTS

2016 Q4 CPUC Reporting
As of December 31, 2016
All values in millions of dollars

Pipeline Safety Enhancement Plan

PSEP Expense	PSEP Actuals ITD 2011	2012	2013	2014	2015	2016	2016 JAN	2016 FEB	2016 MAR	2016 APR	2016 MAY	2016 JUN	2016 JUL	2016 AUG	2016 SEP	2016 OCT	2016 NOV	2016 DEC	PSEP Costs to Date	Authorized[2] 2011-2014 PSEP Authorized	Update Application[3] 2011-2014 PSEP Updated	Proposed Decision Adopting Settlement Agreement[3 7 8] 2011-2014 PSEP Updated	Shareholder Funded per Update Application[3] ITD Shareholder Funded	2011	2012	2013	2014	2015	2016	2016 JAN	2016 FEB	2016 MAR	2016 APR	2016 MAY	2016 JUN	2016 JUL	2016 AUG	2016 SEP	2016 OCT	2016 NOV	2016 DEC
Pipeline Modernization																																									
Pipe Replacement	0.0	0.0	0.1	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1																						
In Line Inspection	0.0	0.0	2.4	11.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4																						
[1] Strength Test																																								
[5,6] Pre-1955 Installation			125.1	82.2	0.0	0.4	0.1	(0.0)	0.1	0.1	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	207.7																						
[5,6] Post-1955 Installation			33.9	72.0	5.1	0.0	(0.1)	0.1	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	0.0	(0.0)	0.0	111.0																						
Strength Test Total	228.2	130.7	159.0	154.2	5.1	0.4	0.0	0.1	0.1	0.1	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	677.5																						
Eng Cond / Fatigue Analysis	0.0	0.0	0.3	0.8	0.7	(0.0)	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9																						
Pipeline Modernization Total	**228.2**	**130.7**	**161.9**	**167.1**	**8.8**	**0.4**	**0.0**	**0.1**	**0.1**	**0.1**	**(0.0)**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	697.0	149.5	95.2	95.2	601.5	228.2	128.4	99.6	136.5	8.8	0.4	0.0	0.1	0.1	0.1	(0.0)	0.0	0.0	0.0	0.0	0.0	0.1
Pipeline Records Integration																																								
MAOP	90.5	120.3	29.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	240.3																						
Mariner	1.2	3.8	1.4	6.0	16.6	2.8	0.6	0.1	2.3	(0.4)	0.2	0.0	0.0	0.0	0.0	0.0	(0.0)	0.0	31.7																						
Pipeline Records Integration Total	91.6	124.1	30.7	6.2	16.6	2.8	0.6	0.1	2.3	(0.4)	0.2	0.0	0.0	0.0	0.0	0.0	(0.0)	0.0	272.0	0.0	0.0	0.0	269.2	91.6	124.1	30.7	6.2	16.6	2.8	0.6	0.1	2.3	(0.4)	0.2	0.0	0.0	0.0	0.0	(0.0)	0.0
Valve Automation	0.0	0.5	1.9	2.2	0.0	0.0	(0.0)	(0.0)	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	6.7	6.7	5.3	(2.1)	0.0	0.4	(1.1)	(1.4)	0.0	0.0	(0.0)	(0.0)	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0
Interim Safety Measures	0.0	2.4	2.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.1	2.1	2.1	3.6	0.0	2.4	1.2	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMO	5.0	6.5	3.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	6.6	6.6	4.9	9.7	5.0	6.4	0.2	(1.9)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	6.8	6.3	4.1	6.9	2.1	0.8	(0.1)	0.0	(0.0)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	26.9	0.0	0.0	0.0	26.1	6.8	6.3	4.1	6.9	2.1	0.8	(0.1)	0.0	(0.0)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2
Total PSEP Expense	**331.7**	**270.4**	**204.3**	**184.8**	**27.5**	**3.9**	**0.5**	**0.2**	**2.3**	**(0.2)**	**0.3**	**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.3**	**1022.6**	**164.9**	**110.6**	**107.5**	**908.0**	**331.7**	**267.9**	**134.6**	**149.4**	**27.5**	**3.9**	**0.5**	**0.2**	**2.3**	**(0.2)**	**0.3**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.3**
PSEP Capital																																								
Pipeline Modernization																																								
[1] Pipeline Replacement																																								
[5,7] Pipeline Replacement less Post-1955 Strength Test Cost	11.8	224.1	307.5	255.7	76.1	19.0	0.5	(0.4)	1.2	(1.2)	0.4	1.0	2.8	3.1	3.8	2.1	3.1	2.7	894.3																						
[7] Retirements	0.0	0.6	4.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9																						
[7] Downgrades	0.0	1.5	(1.5)	(0.0)	0.0	0.1	0.0	(0.0)	(0.0)	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.1																						
[5] Post-1955 Strength Test Cost	0.0	2.1	2.2	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1																						
Pipeline Replacement Total	11.8	228.4	312.3	267.6	76.2	19.1	0.5	(0.4)	1.2	(1.2)	0.4	1.0	2.8	3.1	3.8	2.1	3.1	2.7 #	915.4																						
Strength Test Related	5.9	12.3	28.8	23.0	0.2	(0.2)	0.0	(0.0)	0.0	0.0	(0.0)	(0.0)	(0.0)	0.0	0.0	0.0	0.0	(0.2)	70.0																						
In Line Inspection Retrofitting	0.6	16.0	36.8	4.5	0.2	0.5	0.0	0.1	(0.0)	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	58.6																						
Pipeline Modernization Total	18.3	256.7	377.8	295.1	76.6	19.4	0.6	(0.3)	1.2	(1.1)	0.5	1.0	2.9	3.1	3.8	2.1	3.1	2.5	1043.9	852.5	614.9	610.0	414.5	0.0	2.1	35.8	295.1	81.5	19.4	0.6	(0.3)	1.2	(1.1)	0.5	1.0	2.9	3.1	3.8	2.1	3.1	2.5
Pipeline Records Integration																																								
MAOP	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0																						
Mariner	4.9	29.3	37.1	32.2	29.8	1.7	0.4	1.4	(0.3)	0.3	(0.0)	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	135.0																						
Pipeline Records Integration Total	6.6	29.6	37.1	32.2	29.8	1.7	0.4	1.4	(0.3)	0.3	(0.0)	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0	137.0	0.0	0.0	0.0	135.3	6.6	29.6	37.1	32.2	29.8	1.7	0.4	1.4	(0.3)	0.3	(0.0)	(0.0)	0.0	0.0	0.0	0.0	0.0	0.0
[1] **Valve Automation**	13.0	29.5	51.9	49.6	4.9	0.5	0.0	0.1	(0.0)	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	149.4	129.0	129.0	129.0	19.9	0.0	0.0	0.0	15.0	4.9	0.5	0.0	0.1	(0.0)	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Interim Safety Measures	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMO	2.3	2.1	8.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	22.3	22.3	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	3.0	1.2	(1.5)	3.0	3.3	(0.1)	(0.1)	0.0	2.2	0.2	0.1	0.1	0.0	0.2	0.3	0.1	0.3	9.0	0.0	0.0	0.0	7.6	0.0	3.0	1.2	(1.5)	3.0	3.3	(0.1)	(0.1)	0.0	2.2	0.2	0.1	0.1	0.0	0.2	0.3	0.1	0.3
Total PSEP Capital	**40.2**	**320.8**	**476.8**	**377.5**	**114.3**	**25.0**	**0.9**	**1.1**	**0.9**	**1.4**	**0.8**	**1.2**	**3.1**	**3.2**	**4.0**	**2.4**	**3.2**	**2.9**	**1354.6**	**1003.8**	**766.2**	**754.2**	**577.3**	**6.6**	**34.6**	**74.1**	**340.8**	**119.2**	**25.0**	**0.9**	**1.1**	**0.9**	**1.4**	**0.8**	**1.2**	**3.1**	**3.2**	**4.0**	**2.4**	**3.2**	**2.9**

[1] StanPac included in Actual and Forecasted Costs and Authorized Recovery
[2] Authorized Amount from D-12.12.030
[3] The Shareholder Funded Portion has been updated to reflect revenue numbers consistent with the Proposed Decision Adopting Settlement Agreement issued on October 16, 2014. The year over year shareholder amounts do not tie to the Settlement values due to the timing of the Settlement Agreement respective to prior year reporting of shareholder amounts.
[4] Pre/Post 1955 spend has been updated based on MAOP Validation.
[5] Net change to Q4 2013 Compliance Report of zero. However, a +/-shift of $245k to post/pre 1955 Strength Test in actuals of Dec 2013.
[6] Includes 7.79 miles (5 orders) of projects that are 100% retired and 8.80 miles (3 orders) of projects that 100% downgrades. We are unable to allocate the actual recorded costs for the remaining retirements and downgrades that were part of a larger replacement project. Dollar values for these specific projects were determined through a pull of the financial system and subtracted from the overall Pipe Replacement spend to determine the Pipe Replacement less Post-1955 Strength Test Costs. 6/7th of the StanPac project was included in the total for
[7] The year-by-year recoverable amounts for PMO Capital and Expense, as well as Valve Capital, have been adjusted down; per PSEP Decision 12-12-030, Ordering Paragraph 6, PG&E is only allowed to collect actual costs up to the limit adopted by work stream. Any underruns in an work stream may not be applied to over runs in other work streams.
[8] Capital Pipe Replacement Recovery adjusted down due to canceled project without replacement equaling $221K as well as another project for $4.7M. In compliance with Ordering Paragraph 6 of D. 12-12-030, the adopted capital amounts for any program shall be reduced by the cost of any [PSEP] Implementation Plan project not completed and not replaced with a higher priority project.

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX D

UPDATE TO HIGH CONSEQUENCE AREA DETERMINATION – TD-4127B-002

Update to High Consequence Area Determination

SUMMARY

The purpose of this bulletin is to achieve the following:

- Maintain compliance with GO-112F in regard to the use of Method 1 or Method 2 for high consequence area (HCA) determinations (see Step 2.1).
- Describe how this ruling will be incorporated.

Level of Use: Informational Use

AFFECTED DOCUMENT

TD-4127S, "Class Location and High Consequence Area Determination & Compliance"

TD-4127P-03, "Systemwide Class Location and High Consequence Area Analysis"

TD-4127P-05, "Criteria for Identifying High Consequence Areas"

TARGET AUDIENCE

Asset knowledge management (AKM) personnel performing HCA determinations and transmission integrity management program (TIMP) personnel responsible for assessments of natural gas transmission pipelines.

WHAT YOU NEED TO KNOW

1 What is happening?

1.1 In an effort to be more conservative towards ensuring the safety of densely populated areas, the California Public Utility Commission restricts the use of Method 2 in Code of Federal Regulations (CFR) Title 49, Transportation, Part 192—Transportation of Natural and other Gas by Pipeline: Minimum Federal Safety Standards, Section (§) 192.903, "What definitions apply to this subpart?" to pipeline segments of 12 inches or less in diameter when determining HCAs per GO-112F.

1.2 HCAs that are newly identified as per the Commission's restriction on Method 2 must be scheduled for baseline assessment in accordance with Utility Standard TD-4810S, "Gas Transmission Integrity Management Program (Former RMP-06)."

Update to High Consequence Area Determination

2 What is the scope?

2.1 Pacific Gas and Electric Company (PG&E or Company) must use two methods for identifying HCAs. Both methods refer to a potential impact circle defined in TD-4127P-05.

1. Method 1 (49 CFR §192.903) must be used for pipelines larger than 12" in diameter, and defines HCA as:

    a. Any area that is designated as Class 3 or 4.

    b. Any area in a Class 1 or Class 2 location where the potential impact circle contains 20 or more buildings intended for human occupancy OR an identified site.

2. Method 2 (49 CFR §192.903) must be used for pipelines 12" diameter or smaller, and defines HCA as:

    a. Any area within a potential impact circle containing 20 or more buildings intended for human occupancy, or an identified site.

3 What does this mean?

3.1 Generally, this approach is more conservative and will result in new HCAs being identified and added to the assessment plan in areas where a pipeline meets all of the following criteria:

1. Greater than 12 inches in diameter

2. Within a Class 3 or 4 location

3. Not previously determined to be an HCA

DOCUMENT APPROVER

Christine Cowsert, Sr. Director, Asset Knowledge and Integrity Management

DOCUMENT OWNER

Patrick Espiritu, Gas Engineer, Standards and Qualifications

DOCUMENT CONTACT

Jonna Horn, Principal Gas IM Engineer, Asset Knowledge Management

ATTACHMENTS

NA

Update to High Consequence Area Determination

INCLUSION PLAN

This bulletin maintains compliance with GO-112F in implementing the use of Method 1 for HCA determination until TD-4127S, TD-4127P-03, and TD-4127P-05 are revised. Once these documents are revised, this bulletin will be cancelled.

IMPLEMENTATION PLAN

This bulletin will be communicated via Gas TDM Comms email. Supervisors will communicate the information to the affected personnel, and document the communication.

Effective date 12/12/2016, one month after publication to allow time to communicate changes to impacted audience.

EDRS APPROVERS

Reviewers: Mariela Castellanos, Tuesdai Powers
Approvers: Jonna Horn, Patrick Espiritu, Vince Tanguay, Christine Cowsert, Joe Carlstrom

STAKEHOLDER REVIEWERS

Name	Department	Date of Review
Vince Tanguay	Asset Knowledge Management	10/2016
Mike Barnum	Transmission Integrity Management	10/2016
Enza Barbato	Compliance	9/2016
Patrick Espiritu	Standards & Qualifications	9/2016
Tuesdai Powers	Standards & Qualifications	9/2016

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX E

CHANGES TO INTEGRITY MANAGEMENT PRESSURE TESTING REQUIREMENTS FOR UNSTABLE MANUFACTURING THREATS – TD-4810B-001

Changes to Integrity Management Pressure Testing Requirements for Unstable Manufacturing Threats

SUMMARY

Pacific Gas and Electric Company (PG&E or Company) Transmission Integrity Management Program (TIMP) has established a risk based prioritization methodology for assessment of pipe segments that are identified as having unstable manufacturing threats. These changes are consistent with Code of Federal Regulations (CFR) Title 49, Part 192-Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards, requirements.

The changes will apply to all current manufacturing threat assessment due dates and newly identified manufacturing threats.

See Attachment 1, "Prioritization and Scheduling of Manufacturing Threat Segments for Integrity Assessments – Memo to File," for approved "memo to file" that describes the purpose, background, and detailed description of the changes.

Level of Use: Informational Use

AFFECTED DOCUMENT

Utility Standard TD-4810S, "Gas Transmission Integrity Management Program (Former RMP-06)"

TARGET AUDIENCE

Transmission integrity management personnel

For awareness only – personnel in the following departments: Gas System Operations, Gas Major Projects and Programs, Gas Engineering & Design, and Gas Asset and Risk Management

WHAT YOU NEED TO KNOW

1 This bulletin updates the following actions TIMP personnel will perform.

1.1 Identify unstable manufacturing threats annually upon completion of the Assessment Plan (typically around March 31st each year).

1.2 Set maximum due dates for assessment of unstable manufacturing threats within high consequence areas (HCAs) outlined in Table 1, "Risk based prioritization matrix for unstable manufacturing threats."

1. A calendar year is defined as the period ending on December 31st. The timeframes specified in Table 1 are intended to provide a relative ranking of when the assessment should be completed for prioritization purposes. It does not intend to represent an absolute or calculated time to failure.

1.3 Consider implementing additional preventive and mitigative (P&M) maintenance measures for transmission HCA's until the baseline integrity assessment or reassessment is completed.

Changes to Integrity Management Pressure Testing Requirements for Unstable Manufacturing Threats

1.4 IF integrity assessment cannot be completed within the timeframe prescribed in Table 1,

THEN additional safety measures per TD-4810S, Section 12, "Preventive and Mitigative (P&M) Measures," must be implemented and approved by the TIMP director per TD-4810S, Section 20, "Exception Process". The exception process shall be documented on TD-4810S-F03 "Form M – Integrity Management Exception Report".

1.5 Assessment time frames may be shortened based on fatigue analysis per Utility Procedure TD-4811P-02, "Fatigue Life Evaluation of Gas Transmission Pipeline."

2 Effective Date

2.1 This change is effective for planned assessments for the manufacturing threats within HCAs scheduled for 2017 and beyond. For 2016 assessments, this policy will be applied only on an exception basis and must be approved by the TIMP Director (See TD-4810S, Section 20, "Exception Process".

Table 1. Risk based prioritization matrix for unstable manufacturing threats

HCA	Federal Code Section and Pipe Description	Years to Assess		
Transmission HCA (Defined as High Risk per 192.917)	192.917(e)(4) or 192.917(e)(3) Pipe with history of an incident or leaks due to Manufacturing Seam Threat (including interacting threats)	3 Years		
	192.917(e)(4) Pipe	7 Years	5 Years	3 Years
	192.917(e)(3) Pipe	7 Years	6 Years	4 Years
Occupancy Count >0	192.917(e)(4) Pipe – applied to non-HCAs	9 years	7 Years	5 Years
	192.917(e)(3) Pipe – applied to non-HCAs	10 years	8 Years	6 Years
Occupancy Count =0	192.917(e)(4) Pipe – applied to non-HCAs	10 years	9 Years	7 Years
	192.917(e)(3) Pipe – applied to non-HCAs	10 years	10 Years	8 Years
		<20% SMYS	>=20% and < 30% SMYS	>=30% SMYS
		Operating Stress Level at MAOP		

Changes to Integrity Management Pressure Testing Requirements for Unstable Manufacturing Threats

3 Justification and approvals

3.1 The process changes proposed in this bulletin were previously reviewed and approved in EDRS (routing #2016-31486) on April 8, 2016 by the following people.

Name	Department
Michael Barnum, Manager	TIMP Risk
Christine Cowsert, Senior Director	Asset Knowledge & Integrity Management
Sanford Hartman, Vice President	Legal
George Karkazis, Director	TIMP
Sumeet Singh, Vice President	Asset & Risk Management
Kiefner and Associates	External Consultant

3.2 See Attachment 2, "Review PG&E Policy for Prioritizing M&C ERW Integrity Threats per 49CFR192.917," dated July 11, 2016 by Kiefner and Associates for justification of these changes.

DOCUMENT APPROVER

Sumeet Singh, Vice President, Asset and Risk Management

DOCUMENT OWNER

Patrick Espiritu, Engineer, Codes and Standards

DOCUMENT CONTACT

Calvin Lui, Risk Supervisor; Neb Woldegiorgis, Risk Engineer; Alexis Hinton, Gas Program Manager

ATTACHMENTS

Attachment 1, "Prioritization and Scheduling of Manufacturing Threat Segments for Integrity Assessments – Memo to File"

Attachment 2, "Review PG&E Policy for Prioritizing M&C ERW Integrity Threats per 49CFR192.917"

INCLUSION PLAN

The changes in this bulletin will be incorporated in the next revision of TD-4810S Section 8.1.3 during the next update. When the necessary update has been made, this bulletin will be cancelled.

Changes to Integrity Management Pressure Testing Requirements for Unstable Manufacturing Threats

IMPLEMENTATION PLAN

A gas technical document management (TDM) communications email announcement will follow publication of this bulletin. TIMP supervisors will tailboard this information with their personnel.

EDRS APPROVERS

Reviewers: Susan Minarcin, Tuesdai Powers, Alexis Hinton, Nebiat Woldegiorgis

Approvers: Patrick Espiritu, Calvin Lui, Mike Barnum, George Karkazis, Jerrod Meier, Sumeet Singh

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX F

UPDATES TO BASELINE POTENTIAL CALCULATION – TD-4810B-002

Updates to Baseline Potential Calculation

SUMMARY

This bulletin updates how the “baseline” potential is calculated when analyzing close interval survey (CIS) indications identified during the indirect inspection phase of external corrosion direct assessment (ECDA). This change simplifes the calculation of the baseline potential to be more in line with industry practices and lower the likelihood of potential errors.

Level of Use: Informational Use

AFFECTED DOCUMENT

Utility Procedure TD-4810P-09, “External Corrosion Direct Assessment”

TARGET AUDIENCE

Transmission integrity management personnel and those supporting the ECDA process (indirect inspection tool PMO)

For awareness only: personnel that utilize data collected during the ECDA process (Corrosion Services, Pipeline Services, Transmission and Distribution Operations Compliance)

WHAT YOU NEED TO KNOW

1 The Method for Identifying and Classifying CIS Indications Is Being Altered

1.1 One of the criteria used to classify CIS indications is comparison of the “OFF” potentials to “baseline” potential.

1.2 Currently, Utility Procedure TD-4810P-09 defines baseline potential as being “calculated by taking the average potential over 200 feet *minus the standard deviation of the data set*”.

1.3 The proposed change eliminates the need to incorporate the standard deviation in calculating the baseline potential. The baseline potential is now calculated by taking the average potential over 200 feet.

1.4 This change simplifies analyzing data collected from CIS during the ECDA indirect inspection process.

DOCUMENT APPROVER

Sumeet Singh, Vice-President, Gas Asset and Risk Management

DOCUMENT OWNER

Bryon Winget, Manager, Direct Assessment

DOCUMENT CONTACT

Bryon Winget, Manager, Direct Assessment

Updates to Baseline Potential Calculation

ATTACHMENTS

NA

INCLUSION PLAN

In the next revision of Utility Procedure TD-4810P-09, the change described in this bulletin will be incorporated into Table 6.

IMPLEMENTATION PLAN

A gas technical document management (TDM) communications email announcement will follow publication of this bulletin. TIMP management will tailboard (no signature required) this information with their personnel.

EDRS

Review: Mariela Castellanos, Bennie Barnes

Approve: Patrick Espiritu, Bryon Winget, George Karkazis, Christine Cowsert, Sanford Hartman, Sumeet Singh, Joe Carlstrom

STAKEHOLDER REVIEWERS

Name	Department	Date of Review
Bryon Winget	Transmission Integrity Management	9/02/2016
George Karkazis	Transmission Integrity Management	9/02/2016
Bennie Barnes	Transmission Integrity Management	9/16/2016
Jon Pendleton	Law	9/30/2016
Patrick Espiritu	Standards & Qualifications	9/30/2016

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX G

REMOVAL OF DIRECT EXAMINATION REQUIREMENT AS A RESULT OF RECLASSIFICATION OR REPRIORITIZATION – TD-4810B-003

Removal of Direct Examination Requirement as a Result of Reclassification or Reprioritization

SUMMARY

This bulletin removes the Pacific Gas and Electric Company (PG&E or Company) requirement that prompts personnel to perform an additional direct examination of the pipeline if classification or prioritization criteria are modified during the in-process evaluation. Additional excavations would still be performed if warranted by reprioritized indications.

Removing the requirement aligns PG&E with industry practices and maintains consistency with federal requirements for external corrosion direct assessment (ECDA), as outlined in the Code of Federal Regulations (CFR) Title 49, Part 192—Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards, Section (§) 192.925, "What are the requirements for using External Corrosion Direct Assessment (ECDA)?" and specified in the NACE International® (NACE) Standard Practice (SP) 0502-2010 (incorporated by reference into federal requirements).

Level of Use: Informational Use

AFFECTED DOCUMENT

Utility Procedure, TD-4810P-09, "External Corrosion Direct Assessment," Rev 0

TARGET AUDIENCE

- Transmission integrity management personnel and those supporting the ECDA process
- For awareness only: personnel who use data collected during the ECDA process for corrosion services, pipeline services, or transmission operations compliance

WHAT YOU NEED TO KNOW

- TD-4810P-09, Substep 6.9.2.c, is being modified to remove its requirement to perform additional pipeline examinations after modifying classification or prioritization criteria. Neither NACE SP0502-2010 nor utilities that were benchmarked require excavations solely based on a modification to classification or prioritization criteria.
- Reclassification and reprioritization must still occur, per TD-4810P-09, Substep 6.10.
- The statement, "if repeated direct examinations show corrosion activity that is worse than indicated by indirect inspection data, the feasibility of successfully using ECDA should be re-evaluated," specified in TD-4810P-09, Substep 6.9.2.c, remains in effect. This is consistent with NACE SP0502-2010, Paragraph 5.7.4.4.

DOCUMENT APPROVER

Sumeet Singh, Vice President – Gas Asset and Risk Management

Removal of Direct Examination Requirement as a Result of Reclassification or Reprioritization

DOCUMENT OWNER

Bryon Winget, Manager – Direct Assessment

DOCUMENT CONTACT

Bryon Winget, Manager – Direct Assessment

ATTACHMENTS

NA

INCLUSION PLAN

This bulletin will be incorporated in the next revision of TD-4810P-09.

IMPLEMENTATION PLAN

A gas technical document management (TDM) communications email announcement will follow publication of this bulletin. Transmission integrity management program (TIMP) management will tailboard (no signature required) this information with their personnel.

EDRS APPROVERS

Approvers: Patrick Espiritu, Lily Gharib, Joe Carlstrom, Bryon Winget, George Karkazis, Austin Hastings, Christine Cowsert, Lise Jordan, Sumeet Singh

Removal of Direct Examination Requirement as a Result of Reclassification or Reprioritization

STAKEHOLDER REVIEWERS

Name	Department	Date of Review
Bryon Winget	Transmission Integrity Management	12/2016
George Karkazis	Transmission Integrity Management	12/2016
Bennie Barnes	Transmission Integrity Management	12/2016
Jon Pendleton	Law	12/2016
Patrick Espiritu	Standards and Qualifications	12/2016
Yash Bhargava	Exponent (Contractor)	12/2016

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX H

INTERNAL CORROSION DIRECT ASSESSMENT PROGRAM

(FORMER RMP-10) – TD-4810P-10

Internal Corrosion Direct Assessment (Former RMP-10)

Summary

This utility procedure describes the process of performing internal corrosion direct assessment (ICDA) on specified Pacific Gas and Electric Company (PG&E or Company) pipeline segments normally carrying dry gas, and on pipelines that currently transport or previously have transported wet gas. The procedure provides instructions, guidance and requirements to perform and document the ICDA process.

This utility procedure is in accordance with federal rules on integrity management for gas pipelines, as incorporated by California Public Utilities Commission (CPUC) General Order (GO) 112-E, "Design, construction, testing, maintenance and operation of utility gas gathering, transmission and distribution piping systems,":

- Federal Register, 68 Fed. Reg. 69817 (Dec. 15, 2003), as amended by 69 Fed. Reg. 18232 (April 6, 2004)
- Code of Federal Regulations (CFR), Title 49, "Transportation," Part 192, Subpart 923 "How is direct assessment used and for what threats?" (b)(2), and 49 CFR Section (§)192.927, "What are the requirements for using Internal Corrosion Direct Assessment (ICDA)?"
- American Society of Mechanical Engineers (ASME)/ American National Standards Institute (ANSI) B31.8S-2004, Section 6.4 and Appendix B.2

Level of Use: Informational Use

Target Audience

Transmission integrity management personnel

Safety

NA

Before You Start

NA

Internal Corrosion Direct Assessment (Former RMP-10)

Table of Contents

Internal Corrosion Direct Assessment (Former RMP-10)

Procedure Steps

1 Scope

This document covers requirements for implementation of the methodology termed “Internal Corrosion Direct Assessment” (ICDA). The intent and application of this utility procedure is to assess the entire pipeline for the internal corrosion threat. The entire pipeline is defined as both covered and non-covered segments with an identified Internal Corrosion (IC) Threat on the same route(s) which could be affected by the same gas source(s). All repair shall follow Utility Procedure TD-4100P-05, “Selection of Steel Gas Pipeline Repair Methods,” and comply with the remediation criteria of 49 CFR §192.933, “What actions must be taken to address integrity issues?,” for covered segments.

ICDA is intended as a tool to predict the area(s) most likely to have IC, including chemical and microbiologically influenced corrosion, and it must be used in conjunction with direct examination techniques. ICDA focuses the direct examination on locations with the highest likelihood of having internal corrosion present.

This utility procedure is intended to evaluate the integrity of pipeline segments that are primarily threatened by internal corrosion. However, during the assessment process, other types of damage may be identified, such as mechanical damage, external corrosion, stress corrosion cracking (SCC), etc. In these cases, the damage must be documented and appropriate steps shall be taken in accordance with Utility Standard TD-4810S, “Gas Transmission Integrity Management Program (Former RMP-06).”

2 Introduction

ICDA is intended to improve safety by assessing internal corrosion in natural gas pipelines and ensuring pipeline integrity.

2.1 ICDA Steps

The ICDA methodology is a four-step process requiring integration of Pre-Assessment and Indirect Inspection data, with detailed examinations of the internal pipeline surface.

The dry gas ICDA methodology is applicable to natural gas pipelines that normally carry dry gas, but may suffer from infrequent, short-term upsets of liquid. The basis of ICDA for normally dry natural gas pipelines is that a direct examination of locations along a pipeline where water would first accumulate provides information about the downstream condition of the pipeline. If the locations along a length of pipe most likely to accumulate water have not corroded, other downstream locations less likely to accumulate water may be considered free from corrosion. The dry gas ICDA indirect inspection step relies on the ability to identify locations most likely to accumulate water and is applicable to pipelines where stratified film flow is the primary liquid transport mechanism.

Internal Corrosion Direct Assessment (Former RMP-10)

2.1 (continued)

Additional requirements for wet gas ICDA are included within this utility procedure for assessing pipelines that currently transport or previously have transported wet gas. The goal of performing ICDA on pipelines that have transported wet gas is to identify locations with the greatest likelihood of internal corrosion based on corrosion influencing factors. The results of the direct examinations are used as a basis for assessing the integrity of the remainder of the pipeline segment. The indirect inspection step for pipeline segments that have transported wet gas relies on flow modeling and corrosion rate modeling in order to identify where corrosion is predicted to occur.

The four steps of the process are:

1. Pre-Assessment

   Includes collecting essential historic and current operating data about the pipeline, determining whether ICDA is feasible, and defining ICDA regions. The types of data to be collected are available in geographic information system (GIS), construction records, operating and maintenance histories, alignment sheets, corrosion survey records, gas and liquid analysis reports, and inspection reports from prior integrity evaluations or maintenance actions.

2. Identification of ICDA Regions

   Covers flow-modeling techniques, developing a pipeline elevation profile, and identifying sites where internal corrosion may be present.

3. Identification of Locations for Excavation and Direct Examination

   Includes prioritizing and performing excavations and conducting direct examinations of the pipeline to determine whether internal corrosion is present.

4. Post-Assessment

   Covers analyzing data collected from the previous three steps to assess the effectiveness of the ICDA process, establishing monitoring processes where IC was found, and determining re-assessment intervals.

2.2 Applying ICDA for the First Time

Per 49 CFR Section (§)192.927, "What are the requirements for using Internal Corrosion Direct Assessment (ICDA)?" (c)(5)(ii), the ICDA plan must include provisions for applying more restrictive criteria for each ICDA step when conducting ICDA for the first time on a covered segment. These criteria become less restrictive as the operator gains ICDA experience with a covered segment.

When conducting ICDA for the first time on a covered segment, the Company shall apply more restrictive criteria than are specified in the following sections for each ICDA. More restrictive criteria include, but are not limited to, the following:

1. Pre-Assessment and Region Identification

   - Run the flow model at a range of flow rates to determine the likelihood of liquid holdup under various flow conditions experienced over time.
   - Consider additional ICDA regions.
   - Gather additional data.

     Depth of cover readings every 5 feet (ft) and use a land surveyor for determining the exact inclination profile every 25 ft.

2. Direct Examination

   - Perform additional excavations.
   - Use additional tools to verify the location and depth of any internal corrosion, such as both ultrasonic technology (UT) and X-ray or guided wave UT at all locations in addition to local UT or X-ray.
   - Perform larger excavations to ensure that all internal corrosion was discovered.

3. Post-Assessment

   - Use additional validation procedures such as effectiveness excavations at locations where the inclination angle is less than the critical angle or spot check using non-traditional ILI tools for expanded inspection.
   - Use of two or more monitoring techniques such as installation of permanent UT sensors, periodical liquid sampling and analysis, or non-traditional ILI inspection at selected locations.
   - Reduce the interval for re-assessment to that below the half-life.

3 Roles and Responsibilities

- Integrity Management Engineering Manager (IMEM)

  The Integrity Management Engineering Manager (IMEM) has overall responsibility for ensuring that this utility procedure is implemented effectively. This utility procedure assigns approval of documents, plans and exceptions to this position. The IMEM may delegate some or all of these approving responsibilities.

- Direct Assessment Engineering Supervisor (DAES)

  The DAES reports to the IMEM and is responsible for supervision of the ICDA team and management of all ICDA projects from a programmatic perspective. This includes ensuring that all ICDA projects and compliance-related documentation are completed in a timely manner. This position is also responsible for the creation, revision, and communication of changes associated with ICDA procedures.

- Principal Direct Assessment (DA) Engineer

  The Principal DA Engineer is responsible for the quality assurance of the technical reports and recommendations provided by the PE for the ICDA program. The Principal DA Engineer can also assist and/or perform all technical aspects of this utility procedure.

- ICDA Program Manager

  The ICDA Program Manager (ICDA-PM) is responsible for assuring that all aspects of the assigned ICDA projects are conducted in full compliance with this utility procedure. In addition, the ICDA-PM is responsible for the effective planning, documenting and communicating the various aspects and stages of the assigned ICDA projects. This utility procedure has response time requirements. The PM has point responsibility to assure that those time requirements are met throughout the project.

- ICDA Project Engineer

  The ICDA Project Engineer is responsible for the technical evaluations and analyses conducted throughout the assessment process. These include, but are not limited to Pre-Assessment, ICDA region designation, identification of locations for excavation and direct examination, and Post-Assessment. These functions can also be performed by the Senior Technical Advisor (STA).

- Direct Examination Personnel

  Direct Examination Personnel are responsible for conducting direct examinations. They are responsible for conducting inspections and tests in accordance with this utility procedure and other testing procedures that have been referenced in the assessment process.

Internal Corrosion Direct Assessment (Former RMP-10)

4 Qualifications

The provisions of this utility procedure shall be applied under the direction of competent persons who, by reason of knowledge of the physical sciences and the principles of engineering and mathematics, acquired by education and related practical experience, are qualified to engage in the practice of corrosion control and risk assessment on buried ferrous piping systems. All positions must review and be familiar with this utility procedure, per the qualification and training requirements of each ICDA position as specified in Utility Standard TD-4810S. The IMEM, DAES, ICDA PM, and ICDA Project Engineer shall review this utility procedure on an annual basis.

5 Pipeline Segments Requiring ICDA

5.1 Identification of ICDA Projects

Pipeline segments needing or requiring an ICDA can be identified from multiple sources. Usually the requests for ICDA analysis will come from the Risk Management Department. However, PG&E may utilize ICDA for other business or operating initiatives. This utility procedure does not address the identification or ranking processes of pipeline segments requiring ICDA. Utility Standard TD-4810S, sets forth risk ranking procedures.

5.2 Information Provided with ICDA Request

The request for an ICDA shall provide the following information:

- Integrity Management (Route) Name (if applicable)
- Route Number
- Source Route (if applicable)
- Starting and ending mile points of requested ICDA

6 Pre-Assessment

6.1 Objectives

The objectives of the Pre-Assessment process are to:

- Collect and integrate data
- Assess the feasibility of ICDA
- Document Pre-Assessment results
- Identify locations along the pipe segment where liquids may accumulate
- Identify ICDA regions
- Identify areas within covered segments where liquids may potentially be entrained
- Select a flow model equivalent or superior to GRI 02-0057 (Internal Corrosion Direct Assessment of Gas transmission Pipelines—Methodology)
- Identify historical upset conditions that may have allowed ingress of liquid into the segment

6.2 Data Collection

Per 49 CFR Section (§)192.927, “What are the requirements for using Internal Corrosion Direct Assessment (ICDA)?” (c)(1)(i), “All data elements listed in Appendix A2 of ASME/ANSI B31.8S” are to be collected. In addition, information is needed to support use of a model that an operator must use to identify areas along the pipeline where internal corrosion is most likely to occur. (See 49 CFR §192.927(a) and 49 CFR §192.927(c)(1)(ii).) This information includes, but is not limited to,

- Location of all gas input and withdrawal points on the line
- Location of all low points on covered segments such as sags, drips, inclines, valves, manifolds, dead-legs, and traps
- The elevation profile of the pipeline in sufficient detail that angles of inclination can be calculated for all pipe segments
- The diameter of the pipeline
- The range of expected gas velocities in the pipeline

Internal Corrosion Direct Assessment (Former RMP-10)

6.2 (continued)

Furthermore, operating experience data that would indicate areas identified in records that may indicate past upset conditions that may have allowed ingress of liquids into the segment, and potential damage resulting from these upset conditions will also be collected. Information will also be collected with regard to covered segments where cleaning pigs may not have been used or where cleaning pigs may deposit liquids.

See Appendix B, Table B-1, "Data for Use of ICDA Methodology," for a detailed list of the data that must be collected in support of Pre-Assessment. All Pre-Assessment data should be prepared per Attachment 1, "ICDA Form A - Data Collection Example."

1. Purpose

   Collect and integrate historical data (including Pre-Assessment review meeting notes), current data, and physical information for the segments to be evaluated.

2. Requirements

   Data elements are identified as either "Required" or "Desired" in Table B-1 of Appendix B. "Required" data elements shall be collected before the Pre-Assessment step is completed. The PROJECT ENGINEER may determine that a "Desired" data element is necessary towards assessing a given segment, and thus identify it as "Required".

3. Sources

   The data to be collected can be found in construction records, operating and maintenance histories, alignment sheets, GIS, corrosion survey records, and gas and liquid analysis reports, as well as inspection reports from previous integrity evaluations and maintenance actions. The data collected is usually that collected in an overall pipeline risk (threat) assessment and in External Corrosion Direct Assessment (ECDA) programs. Therefore, the project engineer may decide to conduct the Pre-Assessment step in conjunction with an ECDA or other risk assessment effort.

6.2 (continued)

4. Spatial Mapping

Spatial mapping of the pipeline is particularly important in ICDA. The project engineer shall use all available construction records to determine spatial mapping. The project engineer may consider performing a Global Positioning Survey (GPS) to collect data with sub-meter accuracy. If a GPS survey is performed, a static or other high-accuracy and precision method should be used to obtain GIS information. Tool resolution should accurately measure elevation and horizontal/vertical positioning of inclines. Interval spacing should be small enough to accurately measure each inclined length (typically 10′ spacing is used and can be reduced at the discretion of the project engineer).

U.S. Geological Survey (USGS) maps with sufficient resolution may also be used, although pipeline elevation changes (such as those at roads, major substructures, and rivers) that would not appear on maps must be considered.

When high accuracy data is not available for the entire segment, supplementing USGS data with high accuracy and precision GIS field measurements at locations of concern will be required.

5. Alignment

Data and observations from past years and current inspections shall be aligned. These observations may include, but are not limited to, any GIS measurements, locations of roads, major substructures, stream crossings, locations of previous internal corrosion, ECDA data, and any In-Line Inspection (ILI) data.

6.3 Project Documentation File

A filing system shall be managed to compile documentation from the ICDA process. Pipeline data including Pre-Assessment data, Region Identification analysis, Direct Examination results, and Post-Assessment conclusions should be contained in this file.

6.4 Pre-Assessment Review Meeting

1. Purpose

NOTE

This meeting can be part of the ECDA Pre-Assessment meeting per Utility Procedure TD-4810P-09, “External Corrosion Direct Assessment (Former RMP-09).”

To collect information that is not in written form that is relevant to conducting an ICDA. Also to provide technical insight in conducting the ICDA on the identified segments, communicate the plan of how the ICDA will be conducted, and build consensus for the plan.

6.4 (continued)

2. Agenda

The meeting may include the discussion of the following information:

- Data reports
- GIS maps
- Leak history/inspection history
- Gas source history
- Gas flow history
- Drip locations/liquid volumes
- Feasibility analysis
- ICDA region definitions/locations

3. Attendees

The following personnel are required to attend the pre-assessment meeting:

- ICDA Project Engineer
- Pipeline Engineer
- Local maintenance personnel

The following personnel are recommended to attend the pre-assessment meeting:

- ICDA Project Manager
- Transmission System Gas Planner
- T&R Supervisor/District Superintendent

4. Documentation

All Pre-Assessment Meeting data shall be prepared per Attachment 2, “ICDA Form B - ICDA Pre-Assessment Meeting Example.” The meeting results shall be used to update and change the Pre-Assessment data, feasibility analysis, and ICDA regions and shall be documented in the project file.

6.5 Sufficient Data Analysis

1. Purpose

Identify any missing data and determine if sufficient data is available on pipeline segments in order to perform ICDA. “Sufficient data” is defined as all data required in Table B-1 of Appendix B.

2. Assumptions

If data for a particular category is not available, conservative assumptions shall be used based on the operator’s experience and information about similar systems. The basis for these assumptions shall be documented.

3. Missing data elements

The project engineer should identify any missing data elements that should be collected during a field visit. GIS information can be validated from a known reference during this visit to confirm its accuracy. This can be done by looking at a few locations of concern such as road or stream crossings.

4. Exceptions

The project engineer may determine that missing required data elements are not essential for completing the ICDA process. In that event, Form TD-4810S-F03, “Form M - Integrity Management Exception Report,” shall be filled out according to Section 11 of this utility procedure, if it is the intent to take the exception to a “shall” stated in the DOT Integrity Management Rule per the requirements of Utility Standard TD-4810S.

5. Documentation

The project engineer shall prepare a report documenting whether or not there is sufficient data to conduct ICDA and have the report signed and dated by the ICDA-PM. If there are any missing required data elements that have not been accounted for by conservative assumptions or the Exception Process (section 11), then the project engineer shall determine that sufficient data is not available to conduct an ICDA.

6.6 Assessment of ICDA Feasibility

1. Purpose

Analyze all data collected in the Pre-Assessment step and determine if the application of ICDA is feasible for the given pipeline segments.

6.6 (continued)

2. Criteria

In order for ICDA to be feasible, a pipeline shall meet the required conditions listed under “Feasibility Assessment” in Table B-1 of Appendix B. Some of these required data elements are listed below.

- The pipe should not normally contain any liquids, including glycols or corrosion inhibitors. If a pipeline has a history of transporting wet gas, additional wet gas (WG) ICDA requirements (as Section 6.6.3, Section 8, and Section 9.3) shall be applied and notification of the assessment shall be submitted as described in Section 12.
- The pipe shall not have a continuous internal coating providing corrosion protection.
- If ICDA is applied to a pipeline with a history of top of the line corrosion, additional WG-ICDA requirements (as identified within this document) shall be applied and notification of the assessment shall be submitted as described in Section 12.
- The pipe should not contain an accumulation of solids, sludge or scale, unless the influence of these materials has been carefully evaluated taking into consideration the mechanisms listed in Table B-2 of Appendix B, “Possible Effects of Solids and Sludge on Pipeline Internal Corrosion.”

If the ICDA is determined to be unfeasible, the project shall be returned to Risk Management.

If it is determined that the pipe has previously transported wet gas, has a history of top of the line corrosion, or has another reason why additional WG-ICDA requirements are needed, the requirements outlined in Section 6.6.3, Section 8, and Section 9.3, shall be performed. Section 13 regarding providing notification of the assessment shall also be utilized. It will be determined on a case by case basis whether wet gas was historically transported; however the following guidelines may be useful in determining whether WG-ICDA requirements are needed:

- The pipeline segment is (or was historically) part of a storage field or gas gathering
- The pipeline segment was described during the Pre-Assessment review meeting as historically containing liquids or wet gas.

6.6 (continued)

3. WG-ICDA Criteria

If additional WG-ICDA requirements need to be applied, the pipeline shall meet the following criteria:

- All required information is collected in accordance with Appendix B, Table B-1.
- The pipeline must be accessible to perform detailed examinations.
- Enough data must be available to calculate reassessment intervals.

4. Report

The ICDA Project Engineer shall prepare Attachment 3, "ICDA Form C - Feasibility Assessment Report Example," and have it signed by the project engineer and ICDA-PM. The report shall contain the following:

- Any conditions that may make ICDA unfeasible or that require the execution of additional WG-ICDA steps.
- Extra actions, such as the implementation of additional WG-ICDA steps, that need to be taken to ensure a reliable assessment given these conditions.
- A conclusion regarding the feasibility of performing ICDA on the given segment.

6.7 Pre-Assessment Report

All data, actions and decisions pertinent to the Pre-Assessment step shall be documented in a clear and concise manner. Records shall demonstrate compliance with 49 CFR Part 192 and shall be retained for the useful life of the pipeline.

1. Report

A Pre-Assessment report shall be prepared with the following information:

- Pipeline Maps
- Attachment 1, "ICDA Form A - Data Collection Example"
- Attachment 2, "ICDA Form B - ICDA Pre-Assessment Meeting Example"
- Attachment 3, "ICDA Form C - Feasibility Assessment Report Example"
- Form TD-4810S-F03, "Form M - Integrity Management Exception Report," if any.

2. Approval and Filing

Approved Pre-Assessment forms shall be maintained in the project file.

7 Identification of ICDA Regions

ICDA region extends from the location where liquid may first enter the pipeline and encompasses an entire area along the pipeline where internal corrosion may occur. Its characteristics are described below. An ICDA region may encompass one or more covered segments. ICDA regions shall be defined for each flow direction if flow in a pipeline is bi-directional.

7.1 ICDA Region Identification Objectives

The objectives of the ICDA Region Identification step are to:

- Model steady state flow
- Produce a pipeline elevation profile
- Produce a pipeline inclination profile
- Identify sites where internal corrosion may be present

7.2 ICDA Region-Distinguishing Characteristics

An ICDA region shall be defined by any of the following region-distinguishing characteristics:

- Pipe
- Bi-directional flow
- Significant change in pressure
- Inlets (history of liquids at inlet point)
- Known locations of liquid
- Containment Drips
- Additional characteristics , as defined by the project engineer

1. WG-ICDA Region Distinguishing Characteristics

   For pipelines identified as requiring WG-ICDA assessment, regions shall be defined by:

   - All characteristics required in Section 7.2
   - Outlets (i.e., locations where gas is removed from the pipeline, see Definition Section for further detail).

   WG-ICDA regions may also be defined by chemical injection points. WG-ICDA regions shall be continuous.

7.3 Flow Modeling Calculations

1. Purpose

The purpose of performing flow modeling is to identify the critical angle past which liquid is not expected to flow. The project engineer must identify the most extreme flow conditions (i.e., highest superficial gas velocity) for use in calculations. Other critical inclination angles for dominant flow conditions may be calculated to provide supplementary data. Additionally, the flow modeling may establish a clear route preference path for liquids to flow through, leaving other flow paths dry. Where this can be established, multiple pipelines can be assessed using the ICDA process by performing excavations/inspections at selected locations on both the mainline and branches.

2. Flow Model

NOTE

GRI 02-0057 is also known as GTI 02/0057. See Reference Documents.

The simplified flow model described in this utility procedure is based on a correlation obtained from results published in GRI 02-0057, and is one of many models available. See regulatory flow model requirements under 49 CFR Section (§)192.927, "What are the requirements for using Internal Corrosion Direct Assessment (ICDA)?" (c)(2), including consideration of changes in pipe diameter, locations where gas enters a line (with potential to introduce liquid), and locations downstream of gas draw-offs (where gas velocity is reduced).

Any flow model used must define the critical inclination angle past which liquid is not expected to flow and must be receptive to changes in diameter and receipt/delivery points. If the project engineer selects a flow model other than the one contained in this utility procedure, he/she must provide technical justification per Attachment 4, "ICDA Form D - Flow Modeling Example," and must demonstrate, in compliance with 49 CFR §192.927(c)(2), that the alternative model is equivalent to GRI 02-0057.

The flow model used in this utility procedure is bound by the following conditions:

- Maximum superficial gas velocity below 25 feet/second.
- Nominal pipe diameter between 4 and 48 inches.
- Operating pressures less than 1100 pounds per square inch (psi), or the pipe is demonstrated to have stratified flow.
- Other combinations of the above parameters if flow modeling has shown that only stratified flow will occur at operating conditions.

7.3 (continued)

3. Data and values

The following data and values are required to calculate the critical inclination angle (per 49 CFR §192.927(c)(2)), the critical inclination angle above which water film cannot be transported by the gas).

- Pipe inner diameter, ID (in)
- Low operating pressure, P (psi)
  - Or the combination of actual operating conditions of these two variables that produces the highest superficial gas velocity.
- Maximum flow rate, SPT Flow Rate (MMSCF/D)*
- Average temperature, T (^{o}F)
- Liquid density, ρ_L (default 62.43 lb/ft^3)
- Molecular weight of gas, MW (if methane assumed to be 16 lb/lb-mol)
- Compressibility factor, Z = 0.83 (Z can also be obtained from published charts of Natural Gas Compressibility Curves)
- Gravity, g=32.17ft/s^2
- Universal gas constant, R = 10.73 (psia*ft^3/lb-mol*R)

4. Critical Angle Calculation

The critical angle can be determined from the following calculations:

a. Convert the temperature into Rankine

$T(R) = T(^{o}F) + 459.67$

b. Calculate the gas density, ρ_G

$\rho_G = ((P+14.7)*MW)/(R*T*Z)$

7.3.4 (continued)

c. Calculate the operating pressure (OP) flow rate, or the rate for specific conditions if flow rate data are in standard (STP) units

OP Flow Rate = (STP Flow Rate)*T*Z*P_{STP}/((P+14.7)*T_{STP})

- Where:
  - P_{STP} = 14.7 psi
  - T_{STP} = 520 R (60° F)

d. Convert the OP Flow Rate into (ft^3/s):

OP Flow Rate(ft^3/s)=OP Flow Rate(MMCF/D)*10^6*1D/24hr*1hr/3600s

e. Calculate the superficial gas velocity, V_g

V_g = OP Flow Rate/ [π*((ID*1ft/12in)^2)/4]

f. Calculate the critical angle, θ

$$\theta = \arcsin\left(.675 \frac{\rho_g}{\rho_l - \rho_g} * \frac{V_g^{\,2}}{g * (ID * \frac{1ft}{12in})} \right)^{1.091}$$

The critical inclination angle is not necessarily constant within ICDA region (e.g., changes in internal diameter).

The results of the critical angle calculation shall be prepared per Attachment 4, "ICDA Form D - Flow Modeling Example."

7.4 Elevation Profile Calculations

49 CFR §192.927(c)(1)(ii) requires that the pipeline elevation profile be collected in the Pre-Assessment phase, and that the elevation profile data be of sufficient detail that angles of inclination can be calculated for all segments. Collect information per Attachment 1, "ICDA Form A - Data Collection Example." The project engineer shall calculate the elevation profile using the collected pipeline data.

In this ICDA process, an inaccurate elevation profile will lead to an incorrect inclination profile. Known locations of liquid holdup (see Table D-1, Appendix D, Triggers for Internal Corrosion Corrective Work) may also be used to select direct examination sites. If an elevation profile is used, then the elevation should be plotted against pipe length for each region, as shown in the example in Figure C-1 in Appendix C.

7.5 Inclination Profile Calculations

The project engineer shall calculate the inclination profile using collected pipeline data. The inclination angle at every location can be calculated as follows, and documented per Attachment 4, "ICDA Form D - Flow Modeling Example":

$$\theta = \arcsin\left(\frac{\Delta elevation}{\Delta pipelength}\right)$$

The project engineer may identify and estimate all uncertainties associated with determining the inclination angles and place a record of these uncertainties in the ICDA project file. The records should be used for screening GIS measurements with respect to ICDA and in consideration with other results during the Post-Assessment step. These uncertainties can be documented in the note column per Attachment 4.

7.6 ICDA Region Selection

The project engineer shall integrate the flow modeling results with the pipeline inclination profile in order to determine sites where liquids are most likely to be trapped. Selection should include consideration of inclination angles at road crossings, rivers, drainage ditches and other locations.

The project engineer shall identify ICDA regions, based on the conditions listed in the column "Identification of ICDA Regions" in Table B- 1 of Appendix B. Each region shall have at least one distinguishing characteristic to describe it. A distinguishing characteristic is anything that significantly affects corrosion rate, mechanism, or location within the pipeline segment (e.g., change in flow direction, historical inlets/outlets).

- ICDA regions shall be established using the required elements listed under region selection in Attachment 1.
- ICDA regions should also take account of the "Considered" elements listed under region selection in Attachment 1.

A new ICDA region shall consider each current inlet, any inlets that were current at the time of the previous ICDA (but are no longer being used), and any historic inlets that have shown internal corrosion during past ICDA assessments. Route changes should also be considered, as these may affect the locations of liquid holdup.

Any effects on flow and pressure attributed to compressor and valve locations may be considered, as they may cause significant changes in superficial gas velocity, affecting the critical inclination angle.

Pressure and temperature changes over the segment length may be considered, as these changes can induce water condensation or affect the critical inclination angle.

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7.6 (continued)

If there has been bi-directional flow through the pipeline, each direction shall be treated separately. Therefore, it may happen that the center area of a pipeline is considered unlikely to have internal corrosion while the two ends are areas of concern.

For pipelines identified as requiring additional steps for WG-ICDA assessment, regions shall also be defined by outlets (i.e., locations where gas is removed from the pipeline, see Definition Section for further detail). The location of chemical injection points may be considered for these pipeline segments. WG-ICDA regions shall be continuous.

The project engineer shall compare the sites selected with any prior internal corrosion indications and data obtained from the field visit to make sure that they are consistent and that direct examinations of these sites are possible.

1. Liquid Holdup

   Sites where liquid holdup may possibly occur should be identified based on a comparison of the calculated critical inclination angle with the inclination profile for a given segment, and documented per Attachment 4, "ICDA Form D - Flow Modeling Example."

2. Presence of Liquid

   Locations where liquid is known or was known to be present shall also be considered for region selection, and documented per Attachment 5, "ICDA Form E - DC-ICDA Region Report Example."

3. First Time Requirements

   The first time that ICDA is performed on a given pipe segment testing for liquids other than water and items such as the potential for Microbiologically-Influenced Corrosion (MIC) shall be performed and results shall be documented on a programmatic level for all internal corrosion assessments. To determine severity or corrosivity of these locations, the results shall be compared to Appendix D, Table D-1, Triggers for Internal Corrosion Corrective Work.

   - Subsequent Investigations

     After the first assessment is performed, any internal corrosion occurring as a result of past liquid upsets will have already been identified.

     - If no corrosion has been found, then future corrosion may only occur as a result of liquid upsets from current inlets.
     - If corrosion is found, subsequent assessments to determine growth rate and/or active corrosion should be performed.

7.6 (continued)

4. If All Inclination Angles Are Less Than Critical Inclination Angle

In relatively level pipelines, it is possible that a region may not have any inclination angles greater than or equal to the critical inclination angle. If it can be documented that the critical inclination angle for the lowest flow conditions ever experienced by the region in question is never reached, then the region may be considered free from an internal corrosion threat. Any liquid introduced to this region would be transported through the entire region to the next downstream region, and would not be held-up anywhere in the upstream region.

- If a region has ever experienced no flow, or there is not sufficient documentation of flow rates to establish the lowest experienced flow rate, then the region may not be eliminated as an internal corrosion threat.
- For each region, the project engineer shall identify the first upstream inclination angle greater than or equal to the critical inclination angle determined by flow modeling results. If all inclination angles are smaller than the critical inclination angle, the largest inclination angle in the region shall be chosen.

5. Liquid Accumulation Points

In some cases, drips or other facility components may serve as liquid accumulation points. They may be used as ICDA examination points if it can be demonstrated that they meet the following requirements:

- They are located within close proximity upstream of the selected site
- They have a design operation and maintenance that effectively traps liquids
- They have a corrosion environment that either represents or is more severe than the pipeline

7.7 Region Selection Report

The start and end locations of all ICDA regions as well as all distinguishing characteristics for each region shall be collected per Attachment 5, “ICDA Form E - DC-ICDA Region Report Example.” The ICDA Project Manager, the project engineer, the IMES, and the IMEM shall review and sign this report. IMEM shall review Attachments 1-4 and approve Attachment 5. Records shall demonstrate compliance with 49 CFR Part 192 and shall be retained for the useful life of the pipeline.

7.7 (continued)

1. Report

   A region report and flow modeling report shall be prepared with the following information:

   - The results of the region selection process, collected per Attachment 5.
   - The results of all flow modeling calculations, including Attachment 4, "ICDA Form D - Flow Modeling Example."
   - The locations of all low points, collected per Attachment 4.

2. Approval and Filing

   Approved region selection report and flow modeling report shall be maintained in the project documentation file.

8 Additional Indirect Inspection Requirements for WG-ICDA

The following additional requirements shall apply for any pipeline segment that is identified in the Pre-Assessment as having a history of top of the line corrosion or transporting wet gas.

8.1 Determination of Operating Scenarios

The data collected in the Pre-Assessment shall be reviewed to identify distinct operating scenarios that need to be modeled. Distinct operating scenarios represent changes that can impact flow pattern or corrosion rate. Examples of distinct operating scenarios include the addition or removal of inlets or outlets, significant changes in temperature, pressure, flow rate, gas composition, or liquid composition, changes in flow direction, or changes in service (e.g., wet gas to dry gas). Flow modeling and corrosion rate modeling shall be performed for each identified operating scenario.

8.2 Multiphase Flow Modeling

Because liquids may have been present throughout the pipeline segment, additional flow modeling such as multiphase flow modeling is required, beyond the critical angle calculation for stratified flow described in Section 7.3 is required. The purpose of performing multiphase flow modeling is to determine the flow patterns, pressure and temperature profiles, and liquid holdup within each region. Many of the Internal Corrosion Prediction Models (ICPM) listed in Appendix B of NACE SP0110-2010, "Wet Gas Internal Corrosion Direct Assessment Methodology for Pipelines," already have embedded correlations to model multiphase flows, as well as liquid holdup. The project engineer shall select an appropriate multiphase flow model / ICPM to identify locations for detailed examination instead of determining the probability of corrosion distribution, see Appendix B SP0110-2010.

8.3 Sub Region Determination

The project engineer shall identify Sub Regions within each region. A new Sub Region is identified for each change in flow pattern. Sub Regions are continuous in length. The flow patterns from the various operating scenarios modeled should be overlaid to determine the total number of Sub Regions.

8.4 Corrosion Rate Modeling and Wall Loss Determination

Corrosion rate modeling shall be performed to determine corrosion rates within each subregion. This may be done by integrating the results of separate multiphase flow models with ICPMs that do not have the flow modeling subroutine built into the algorithm, or by using ICPMs that have the flow modeling capabilities built into the algorithm. Appendix B of NACE SP0110-2010 lists a number of published ICPMs used to determine internal corrosion rates in oil and gas pipelines. The maximum interval at which corrosion rates shall be determined is 150 feet. Corrosion rate modeling shall use the results from the flow modeling as in input. Alternatively, corrosion rate modeling and flow modeling may be performed by the same modeling software. A correction factor shall be applied to the corrosion rate if corrosion inhibitor was utilized during the operating scenario being modeled. The correction factor accounts for the reduction in corrosion rate from the unmitigated corrosion predicted by the model. Justification shall be provided for the selected correction factor and documented to support the corrected wall loss prediction. The calculated corrosion rate for each operating scenario shall be multiplied by the duration of the scenario in order to determine the expected wall loss. The expected wall loss for each scenario is then summed to determine the cumulative wall loss expected for the discrete length over which modeling was performed. The cumulative wall loss shall be converted to a percentage wall loss by dividing by the nominal wall thickness.

8.5 WG-ICDA Indirect Inspection Report

The results of the indirect inspection step (flow modeling and corrosion rate modeling) for each operating scenario shall be collected per Attachment 11, “ICDA Form N - WG-ICDA Modeling Summary Table Example,” shall be completed in addition to Attachment 4, “ICDA Form D - Flow Modeling Example.” The ICDA Project Manager, the project engineer, the IMES, and the IMEM shall review and sign this report. Records shall demonstrate compliance with 49 CFR Part 192 and shall be retained for the useful life of the pipeline.

1. Approval and Filing

   Approved region selection report and flow modeling report shall be maintained in the project documentation file.

9 Identification of Locations for Excavation and Direct Examination

9.1 Objectives

The objectives of the *Direct Examination* step are to:

- Select sites for direct examination
- Excavate and inspect selected sites
- Examine liquid trapping features
- Assess the extent of corrosion
- Perform remaining strength evaluation

During the Direct Examination step, defects other than internal corrosion (e.g., external corrosion, stress corrosion cracking, mechanical damage) may be found. If defects from sources other than internal corrosion are identified, Utility Procedure TD-4100P-05, should be consulted to determine the appropriate action.

The Pipeline Engineer shall be consulted before any repairs are made.

9.2 Selection of ICDA Excavation Sites

The project engineer shall select the sites for direct examination in each ICDA region. Any deviation from this process must be justified based on sound technical principles, documented on Form TD-4810S-F03, "Form M - Integrity Management Exception Report," and approved by the ICDA-PM, DAES, and IMEM.

1. Direct Examination Requirements

   For every ICDA region containing at least one covered-segment, a minimum of two direct examinations must take place within a covered segment, per 49 CFR Section (§)192.927, "What are the requirements for using Internal Corrosion Direct Assessment (ICDA)?" (c)(3). If significant internal corrosion (see below for more information) is located during any excavation, one additional direct examination (inspection) is required in each region where the significant internal corrosion is located. A minimum of two additional digs are required for the ICDA project when significant internal corrosion is found.

9.2.1 (continued)

Internal corrosion metal loss is considered significant if it is more than the API manufacturer's tolerance for the pipeline construction (API Specification 5L 9.11.3.2, NACE SP0206-2006 5.2.2 and 2013 proposed revisions to that standard). Internal metal loss that is less than the API tolerances is considered to be metal loss that may have been caused by processes other than internal corrosion, such as manufacturing variance, manufacturing defects, or tolerance of the non-destructive examination (NDE) tools, unless determined otherwise by engineering justification. The API tolerances for the wall thickness may be applied to the average or the nominal wall thickness. A pipeline-specific engineering analysis may be performed to develop criteria for significant internal corrosion. "One location must be the low point (e.g., sags, drips, valves, manifolds, dead-legs, traps) within the covered segment nearest to the beginning of the ICDA Region." (49 CFR §192.927(c)(3))

"The second location must be further downstream, within a covered segment, near the end of the ICDA Region." (49 CFR §192.927(c)(3)) The end of the ICDA region is the location where the ICDA model predicts liquids could accumulate based on the critical angle of inclination above which liquid film cannot be transported by the gas (per 49 CFR §192.927(c)(3)).

If a liquid hold-up location in a non-covered segment is known to be upstream of the first liquid hold-up location within the covered segment (Section 6.2.2), an additional excavation is required at this location to verify pipeline integrity.

2. Liquid-Trapping Features

If the trap geometry restricts evaporation, it is possible for corrosion to be more severe inside a downstream trap. Therefore, PG&E shall examine at least one feature where liquid can be trapped directly downstream of a pipe inclination angle greater than the critical inclination angle.

The liquid-trapping feature may serve as ICDA examination location if it meets the requirements described in Section 7.6.5.

3. Additional Examinations

Additional examinations may be performed as deemed necessary by the project engineer.

4. Internal Corrosion

When the ICDA process identifies internal corrosion based on inspection results, the project engineer shall do one of the following:

- Perform additional direct examinations on potential liquid holdup locations identified for that region in the Indirect Inspection step.
- Perform alternative assessment methodology on that region.

9.2.4 (continued)

Per 49 CFR §192.927(c)(3)(i)/(iii), when corrosion exists at either direct examination location, the project engineer shall

- Evaluate the severity of the defect (remaining strength) and remediate the defect pursuant to 49 CFR §192.933, "What actions must be taken to address integrity issues?."
- Evaluate the potential for internal corrosion in all pipeline segments, both covered and non-covered, in the pipeline system with similar characteristics, and remediate them as appropriate.

If extensive or significant corrosion is found throughout a pipeline while performing ICDA, dry gas ICDA is inappropriate for that line and the project engineer shall select another integrity assessment methods, such as ILI, hydrostatic testing or other technology.

5. Documentation

The sites selected for direct examination shall be documented and kept within the project file. Collect information per Attachment 6, "ICDA Form F - Site Selection for Direct Examination Example."

9.3 Selection of Additional Sites for WG-ICDA

1. Predicted Wall Loss Criterion

For each operating scenario, the average of all of the calculated wall loss percentages within each subregion shall be calculated. Wall loss percentages greater than the average for the subregion shall be identified.

2. Predicted Liquid Holdup Criterion

For each operating scenario, the average of all of the calculated liquid holdup volumes within each Sub region shall be calculated. Liquid holdup values greater than the average for the Sub region shall be identified.

3. Inspection Sites

All locations that have greater than average wall loss percentages and liquid holdup values for a given scenario, as identified in Section 9.3.1 and Section 9.3.2, are potential inspection sites.

9.3.3 (continued)

The project engineer shall select a minimum number of inspection sites as required based on the length of the pipeline segment being assessed, as shown in Table 1. The cumulative wall loss percentage, as calculated according to Section 8.4 shall be used for this comparison. The selected sites represent a distribution of the predicted corrosion rates. If there is not predicted wall loss in one of the grouping categories (e.g., 41-60%), an extra inspection site shall be selected from another category.

Locations within high consequence areas should receive priority for selection. Site accessibility, repair history/records, and failure history should also be considered.

Table 1. Minimum Number of WG-ICDA Inspection Sites

Total length of WG-ICDA segment (miles)	Low Wall Loss (< 20%)	Moderate Wall Loss (21-40%)	High Wall Loss (41-60%)	Severe Wall Loss (>60%)	Minimum Number of Inspection Sites
x≤6.2	1	1	1	1	4
6.2<x≤31	1	1	3	2	6
31<x≤62	1	2	2	3	8
62<x≤310	1	2	3	4	10
x>310	2	3	4	5	14

4. Documentation

The sites selected for direct examination to meet additional requirements for WG-ICDA shall be documented and kept within the project file. Collect information per Attachment 12, “ICDA Form O - Additional Site Selection for Direct Examination per WG-ICDA Requirements Example.”

9.4 Pipeline Excavation and Inspection

All pipeline excavations shall comply with Utility Standard TD-4412S, “Preventing Damage to Underground Facilities.”

Low points (e.g. sags) may be particularly vulnerable to internal corrosion because liquid accumulates at these locations during periods of stagnant flow. Therefore, for each ICDA excavation site, typical examination shall be at least 10 feet in length with a focus on the critical inclination angle to ensure examination both upstream and downstream of the possible liquid holdup locations.

Examination length may be shortened if there is a corrosion-monitoring device installed as a result of a prior assessment within identified excavation length.

9.4 (continued)

The location and size of the excavation site shall be identified and recorded on Form TD-4810P-18-F01, "Form H - Direct Examination Data Sheet." The data to be collected is identified in Appendix E, "Direct Examination Data Collection Requirements."

Direct examination must use ultrasonic thickness measurements, radiography, or other generally accepted measurement technique, pursuant to 49 CFR §192.927(c)(3). For direct examinations that have been selected to meet WG-ICDA requirements, the chosen measurement technique must be used to inspect the entire circumference of the pipe and the technique must be sufficient to identify and characterize the internal corrosion features in the pipe being assessed.

The project engineer may have the excavation expanded in length if it appears that the internal corrosion extends beyond the boundaries of the excavation. The expansion shall be performed cautiously and documented on Form TD-4810P-18-F01.

A pipe level (angle finder with magnetic base) or equivalent shall be used to measure inclination angles. Inclination angles and the stationing at the low point shall be recorded on Form TD-4810P-18-F01. Detailed data on the pipe condition is also important to record.

To perform internal examination, a B-scan (complete UT measurements) and radiography or equivalent must be executed on the pipe section to be examined. The vendor report shall be reviewed by project engineer and stored in the ICDA project file.

The pipe shall be inspected by a person that is qualified by PG&E Operator Qualification Program to perform the task of "Corrosion Control 03-05." The individual shall complete Form TD-4810P-18-F01. Any deviation from these procedures shall be identified and approved by the DAES and IMEM.

ILI, including tethered pig technologies, may be used as detailed direct examination tools. Guided wave ultrasonic inspections may also be used to augment the direct examination process. For both cases, the bell hole for launching these devices shall be of sufficient length to allow direct physical examination of a sample of detected anomalies so that verification of tool accuracy can be established.

- Minimum wall thickness within the detected anomaly must be identified. Ultrasonic thickness measurements, radiography, or another generally accepted technique shall be used to make these verification measurements. Measurements must be performed by individuals qualified by training or experience.

The severity of all defects must be evaluated by the project engineer, and the pipe shall be repaired if necessary according to Utility Procedure TD-4100P-05. All remediation of covered segments must be conducted in accordance with 49 CFR §192.933.

Indications suspected of having causes other than internal corrosion (i.e. dents) must be investigated using Utility Procedure TD-4100P-05.

9.4 (continued)

1. Improvements

Improvements for real-time monitoring and future site accessibility may be installed at the time that the excavation is taking place.

- If significant internal corrosion is found, a corrosion monitoring device (i.e. corrosometer probe, corrosion coupon, ultrasonic sensor, electrical resistance matrix, drip tube, etc.) must be installed. Regular monitoring will occur at these locations. The frequency will be determined by the project engineer and will be documented in the post-assessment step. This does not alter the obligations under 49 CFR Part 192 Subpart I, "Requirements For Corrosion Control," to take steps to minimize internal corrosion when it is discovered and monitor pipelines for internal corrosion as appropriate.

- Once a pipeline is exposed, consideration shall be given to installing a corrosion monitoring device (i.e. corrosometer probe, corrosion coupon, ultrasonic sensor, electrical resistance matrix, drip tube, etc.), which can enable determination of inspection intervals and provide monitoring in the location most susceptible to internal corrosion.

2. Documentation

The location and size of the excavation site and the results of the Direct Examination shall be documented on Form TD-4810P-18-F01.

The Discovery Date will be collected per Attachment 7, "ICDA Form I - Remaining Strength Evaluation and Root Cause Analysis Example."

9.5 Additional Criteria for Examinations Selected per WG-ICDA Criteria

For sites selected to meet additional criteria for WG-ICDA, the project engineer shall compare the results from the direct examinations with the predicted wall loss for the inspected sites. If the measured wall loss is not within +/-10% of the predicted wall loss, then the flow and corrosion rate models utilized in the indirect inspection step shall be reevaluated. The model parameters may be readjusted to determine a corrected predicted wall loss or different models selected. Additional digs shall be performed until the model results are within +/-10% of the actual wall loss. For example, if the model parameters were adjusted and one additional inspection location was selected and showed wall loss within +/- 10% of the predicted wall loss, the requirement is considered to have been met.

9.6 Remaining Strength Evaluation and Notification of Immediate Response

Remaining strength calculations are utilized to determine the predicted burst pressure at a corroded area in order to assure that it meets the Area Class Location Design Requirements.

9.6 (continued)

The predicted burst pressure shall be calculated using the RSTRENG or equivalent (i.e., ASME B31G, Modified B31G) calculation methodology in all corroded areas with a wall loss greater than 20%. Other analytical techniques, such as linear elastic fracture mechanics, etc. may be used as deemed appropriate with approval by the DAES and the IMEM or designee.

An individual qualified to use RSTRENG shall perform any RSTRENG calculations. The qualification records shall be maintained in the Integrity Management Program file.

1. Safety Factor

The safety factor for the evaluated area shall be determined by:

$$SF_{corr} = \frac{Pf}{MAOP}$$

where

SF_{corr} = Safety factor of corroded area

MAOP = Maximum allowable operating pressure

Pf = Predicted failure Pressure

The safety factor shall be compared with the safety factor for the class location of the evaluated area. Table 2 provides the corresponding safety factor for each class location. If SF_{corr} is less than SF_{DR} specified for a given location, a repair will be required.

Table 2. Design Requirements by Area Classification.

Area Class	% SMYS	SF_{DR}
1	0.72	1.39
2	0.6	1.67
3	0.5	2.00
4	0.4	2.50

2. Scheduled Repairs

The timing for a scheduled condition shall be determined per Figure 4 of ASME B31.8S and repaired within the time interval established within the figure, unless one of the Immediate conditions in Sections 9.6.3-9.6.5 is met. If the Company is unable to respond to a condition within the outlined time limit, refer to Utility Standard TD-4810S, for required pressure restrictions and notifications.

9.6 (continued)

3. Immediate repair conditions

An immediate repair is necessary if any of the following conditions are met (according to 49 CFR §192.933 (d)):

- A remaining strength calculation that shows an SF_{corr} less than or equal to 1.1 times the Maximum Allowable Operating Pressure (MAOP) at the location of the anomaly.
- Metal loss with depth greater than or equal to 80%.
- A dent that has any indication of metal loss, cracking or a stress riser.
- An indication or anomaly that, in the judgment of the qualified person evaluating the assessment results, requires immediate action.

If an immediate repair is necessary, the pipeline pressure shall be reduced or the line temporarily shut down, as follows.

If a pressure reduction (as addressed in 49 CFR §192.933(a)) is necessary, the pressure shall be reduced using ASME/ANSI B31G or "RSTRENG" or the operating pressure shall be reduced to a level not exceeding 80% of the operating pressure at the discovery of condition (49 CFR §192.933 (b)). Any reduction in pressure cannot exceed 365 days unless the Company provides a technical justification to PHMSA and the CPUC that the continued pressure restriction will not jeopardize public safety or environmental protection, per Utility Standard TD-4810S. In addition, the pipeline can be completely shut down, if necessary.

The ICDA-PM shall work with the Pipeline Engineer to have the damage remediated per Utility Procedure TD-4100P-05, in order to restore the pipe to the MAOP with the appropriate safety factor, as specified in Table 2. Alternatively, the MAOP may be reduced to establish the safety factor.

4. One-year conditions

A scheduled repair within one year of discovery is necessary if any of the following conditions are met, according to 49 CFR §192.933 (d):

- A smooth dent with depth greater than 6% (0.5" in depth dent for less than 12" diameter pipe)
- A smooth dent with depth greater than 2% (0.25" in depth dent for less than 12" diameter pipe) that affects girth weld or long seam
- Mechanical damage with or without concurrent visible indentation
- Dent affecting non-ductile weld

9.6 (continued)

5. Monitored conditions

The Company will record and monitor the condition during subsequent risk assessments if any of the following conditions is met, per 49 CFR §192.933 (d):

- A smooth dent with depth greater than 6% (0.5" in depth dent for less than 12" diameter pipe), if engineering analyses of the dent demonstrate that critical strain levels are not exceeded
- A smooth dent with depth greater than 2% (0.25" in depth dent for less than 12" diameter pipe) that affects girth weld or long seam, if engineering analyses of the dent and girth or seam weld demonstrate that critical strain levels are not exceeded. These analyses must consider weld properties.

6. Notification

If any of the Immediate conditions in Section 9.6.3-9.6.5 are met, the following personnel shall be contacted:

- ICDA-PM
- Responsible Pipeline Engineer
- DAES
- IMEM
- Manager of Pipeline Engineering
- Regulatory Relations (to determine if a Safety Related Condition Report must be submitted to the CPUC and PHMSA)

The ICDA Engineer or the Pipeline Engineer shall communicate all required pressure/operational changes to Gas System Operations (GSO).

7. Internal Corrosion

Where evidence of internal corrosion is found requiring remaining strength calculations, the project engineer shall evaluate the potential for corrosion in all pipeline segments in the pipeline system with similar characteristics to the ICDA region in which the internal corrosion was found. Both covered and non-covered segments shall be evaluated. Additional evaluation includes excavation(s), as determined by the project engineer, to verify the extent of internal corrosion wall loss as well as pipeline integrity. Any corrosion discovered during these evaluations shall be remediated per Utility Procedure TD-4100P-05.

9.6 (continued)

8. Documentation

The results of the remaining strength evaluation and the RSTRENG calculation shall be collected per Attachment 7, "ICDA Form I - Remaining Strength Evaluation and Root Cause Analysis Example."

9.7 Root Cause Analysis

1. Process

The project engineer shall perform a root cause analysis for each area of corrosion associated with a location where pipe was removed. The root cause analysis should identify the corrosion mechanism by identifying the main drivers for corrosion in the area including liquid and gas chemistry, solids, and corrosive microbes and determine recommendations to mitigate the degradation.

2. ICDA Evaluation

If the root cause analysis identifies a degradation mechanism that the ICDA process is not well suited to detect, the mechanism and its location shall be documented according to Section 9.6.3. A suitable assessment method shall then be used to evaluate those segments of pipe that are vulnerable to the identified mechanism.

3. Documentation

The root cause of internal corrosion performed shall be collected in the project file and summarized per Attachment 7, "ICDA Form I - Remaining Strength Evaluation and Root Cause Analysis Example." Corrective actions taken to address the root cause during the Direct Examination step shall be documented on Form TD-4810P-18-F01.

9.8 Direct Examination Results Documentation

Project engineer shall prepare Attachment 8, "ICDA Form J - ICDA Direct Examination Overview Report Example," to document the results of the direct examination step. This document shall be approved and signed by project engineer, ICDA-PM, the DAES, and the IMEM, and filed in the project document file.

Internal Corrosion Direct Assessment (Former RMP-10)

10 Post-Assessment

10.1 Objectives

The objectives of the Post-Assessment step are to:

- Determine any necessary continual monitoring for internal corrosion
- Assess the overall effectiveness of the ICDA process
- Determine the remaining life of the pipeline segment
- Determine the re-assessment interval
- Continually incorporate improvements as a result of this assessment into future ICDA assessments.

10.2 Post-Assessment Continual Monitoring of Internal Corrosion

The frequency of monitoring depends on results from all integrity assessments pursuant to 49 CFR Section (§)192.927, "What are the requirements for using Internal Corrosion Direct Assessment (ICDA)?" (c)(4)(ii). The frequency of monitoring shall be based on all integrity assessments that have been conducted in accordance with 49 CFR Part 192, Subpart O, "Gas Transmission Pipeline Integrity Management," and risk factors specific to the covered segment, including the root cause analysis and the severity of the corrosion found.

Continual monitoring of covered segments where internal corrosion was found shall be performed in compliance with 49 CFR §192.927(c)(4).

Continual monitoring techniques shall include one or more of the following:

- Coupons
- UT Sensors
- Electronic/Corrosometer Probes
- Install Liquid Removal Feature
- Drawing off liquids at low points and chemically analyzing them for the presence of corrosion products

Each technique requires proper data interpretation. The frequency of monitoring and liquid analysis shall be based on root cause analysis, severity of corrosion found and consideration of all integrity assessment results and risk factors specific to the covered segment.

10.2 (continued)

If there is evidence of internal wall loss requiring remaining life calculations, prompt action shall be taken. Action taken in all covered segments in the ICDA region where corrosion is found shall also comply with 49 CFR §192.933, "What actions must be taken to address integrity issues?," and one of the two following required actions shall be conducted:

- Excavations at locations where liquid may have accumulated and evaluation of potential in all pipeline segments (covered and non-covered) with similar characteristics to the ICDA region where internal corrosion was found.
- Assessment of the pipeline using another integrity assessment method allowed by 49 CFR Part 192.

10.3 Assessment of ICDA Effectiveness

Data from the three previous steps shall be analyzed to evaluate the effectiveness of ICDA as an assessment method for addressing internal corrosion.

Effectiveness of the ICDA process can be determined by the correlation between detected corrosion and the ICDA predicted locations. Other methods may also be used.

For pipeline segments transporting normally dry gas:

- If corrosion was found downstream of the first site selected based on the maximum critical inclination angle, the project engineer shall re-evaluate the critical inclination angle.
- ICDA for dry gas pipelines is based on the premise of intermittent upsets. While most dry gas pipelines should have little or no internal corrosion, the presence of extensive corrosion at many locations or the presence of corrosion on the top of the pipeline suggest that upset conditions may be present, or may have been present in past operations.

For pipeline segments that have previously transported wet gas, and were subject to the additional WG-ICDA requirements described in this utility procedure, the ICDA process is considered effective if the corrected predicted wall loss is within +/- 10% of the actual wall loss measured during the direct examination step.

Per 49 CFR Part 192, evaluation of ICDA effectiveness on covered segments (and determining whether a covered segment should be reassessed at more frequent intervals than those specified in 49 CFR §192.939, "What are the required reassessment intervals?") must be completed within one year of commencement of the ICDA Direct Examinations (ref 49 CFR §192.927 (c)(4)(i)).

At least one additional direct examination shall be conducted to provide additional confirmation that the ICDA process has been successful. This location does not necessarily be a liquid holdup location or where the inclination angle is greater than the critical angle.

10.4 Determination of Remaining Life

Internal corrosion threat-specific metrics are determined and documented under Utility Standard TD-4810S, Determination of Remaining Life

The project engineer shall select, technically justify, and validate the method(s) used for determining the corrosion rate. One or more of the following methods should be used:

- Re-examine the site at a prescribed frequency to determine or assess the mean growth rate (i.e., monitor the site for corrosion growth on the actual pipe).
- Install one or more corrosion monitoring devices at sites of predicted liquid accumulation based on flow modeling and/or other representative locations.
- Apply a corrosion rate model based on operating conditions, gas quality, liquid composition, and other key factors.

1. Calculation

The project engineer shall calculate the remaining life of all excavation locations containing a corroded area with a wall loss greater than 20% by applying a corrosion rate to the corroded area that exhibits the lowest predicted burst pressure.

If the root cause analysis shows that the weakest corroded area is unique (and therefore not representative of the dominant degradation mechanism), then the next weakest corroded area shall be used to determine the remaining life. If this occurs, the project engineer must record this decision per Attachment 9, "ICDA Form K - Remaining Life Determination Example."

The equation below shall be used to calculate the remaining life:

$$RL = \frac{0.85}{YP}\left((Pf - MAOP)\frac{t}{CR}\right)$$

where

RL = Remaining Life (years)

YP = Yield Pressure (psi)

Pf = Failure Pressure from RSTRENG (psi)

MAOP = Maximum Allowable Operating Pressure (psi)

t = Actual Uncorroded Wall Thickness (inches)

CR = Corrosion Rate (inch/year)

10.4 (continued)

2. Documentation

The remaining life shall be collected per Attachment 9.

10.5 Re-Assessment Intervals

The re-assessment interval for a ICDA region shall not exceed one-half of the shortest remaining life calculated in Section 9.4. For additional requirements on maximum intervals see Table 3 of ASME B31.8S.

According to 49 CFR §192.939, the maximum re-assessment interval for covered segments is seven years.

Data must also be evaluated to determine whether covered segments should be reassessed at more frequent intervals than those stated in 49 CFR §192.939. If no internal corrosion is found, assume 20% wall loss with a two-inch defect length to calculate the remaining life and re-assessment interval. This remaining life calculation can be adjusted depending on pipe age, as deemed necessary by the project engineer.

10.6 Post-Assessment Report

All data, actions and decisions pertinent to this step shall be documented in a clear and concise manner. Records shall demonstrate compliance with 49 CFR Part 192 and shall be retained for the useful life of the pipeline.

1. Responsibility

The project engineer shall prepare the Post-Assessment report. It shall contain, but is not limited to the following:

- Remaining life calculation results:
  - Maximum remaining flaw size determinations
  - Corrosion growth rate determinations
  - Method of estimating remaining life
  - Results of remaining strength calculations
- Re-assessment intervals and scheduled activities, if any
- Correlation between corrosion found and sites predicted by ICDA
- Monitoring records

Internal Corrosion Direct Assessment (Former RMP-10)

10.6 (continued)

2. Communication

A Recommended Mitigation Plan shall be developed to communicate mitigation tasks that pertain to the line being assessed. The following personnel, as appropriate, should be included on this communication, as well as any other appropriate personnel:

- Responsible Pipeline Engineer
- T&R Supervisor or District Superintendent
- project engineer
- ICDA-Project Manager

3. Report Contents

The project engineer shall prepare Attachment 10, "ICDA Form L - ICDA Performance and Effectiveness Report Example," for each ICDA project. The report shall be approved by the ICDA-PM, project engineer, IMES, and IMEM, and filed in the project file. The signer shall review and approve ICDA reports per Attachments H through L, N, and O for pipelines segments on which addition WG-ICDA criteria were applied. The report shall include the following:

- A summary of the Pre-Assessment Data Collection Form, including data from direct examinations and other data sources as appropriate.
- A summary of Inspection results, comparing results from the calculated inclination angles with actual values and predicted corrosion sites with any corrosion observed during excavation. For pipelines that were subject to WG-ICDA criteria, the results from the predicted wall loss and the actual wall loss shall be compared.
- A summary of the Direct Examination results, including the number of excavations performed the remaining life of the pipe where internal anomalies were found, and the number of repairs or immediate actions.
- A summary of the Post-Assessment results, including the shortest calculated re-inspection interval for the ICDA project, the results of the ICDA effectiveness assessment, and feedback for future projects.

10.7 Feedback and Continuous Improvement

The ICDA process should be able to identify locations at which corrosion activity has historically occurred or may occur. This is accomplished through successive ICDA applications and the integration of operational data, as well as during scheduled activities and reassessments. ICDA may be continuously improved by incorporating feedback from the following activities:

- Confirm data collected during direct exams have been updated in Form A Data Collection Table completed during pre-assessment (Section 9.4)
- Confirm that all alignment sheets have been updated with any changes to the pipeline, e.g. pipeline repairs, installation of coupons or other internal corrosion monitoring devices, mitigation measures, replacement of sections, etc.
- Update pipe specifications if errors were discovered during the inspections and excavations.
- Root cause analysis to identify the corrosion mechanism and remediation activities (Section 9.7 and Section 10.2);
- Remaining strength evaluation (Section 9.6)
- Remaining life calculation (Section 10.4);
- Corrosion growth rate determination and engineering reassessment interval determination (Section 10.2, Section 10.4, and Section 10.5);
- Continual monitoring of internal corrosion (Section 10.2)
- ICDA effectiveness evaluation (Section 10.3)
- Improvements as a result of this assessment are to be incorporated into future ICDA projects.

11 Exception Process

11.1 Expectations

It is expected that all requirements of this utility procedure be met when conducting an ICDA. However, when this is not possible, exceptions can be made by obtaining approval and documenting the exceptions, as prescribed in this section. Note: If it is the intent to take the exception to a “shall” stated in the DOT Integrity Management Rule, then a waiver must be obtained from PHMSA per Utility Standard TD-4810S.

11.2 Objective

The purpose of the exception process is to provide control and documentation of exceptions made to this process. This control and documentation is to maintain the integrity of conducting an ICDA process, to continuously improve the process by providing feedback, and to have an auditable trail and be in compliance with the procedure at all times.

11.3 Exception Requirements

The following process is required for making an exception to this utility procedure. It shall be documented on Form TD-4810S-F03, "Form M - Integrity Management Exception Report":

1. Section of Procedure

   State the specific paragraph number where the exception is being made. Briefly state in your own words the requirements of the paragraph.

2. Alternative Plan

   State what is proposed instead of what is required in this utility procedure.

3. Reason

   Provide the reason the exception is needed.

4. Recommendation

   Indicate if it is recommended to change the procedure or that this exception is project-specific.

5. Public Safety

   Confirm that public safety is not jeopardized. Provide a technical justification as to why public safety is not jeopardized.

6. Approval

   Obtain approval from the ICDA PE, DAES, IMEM, and Director of TIMP or his/her designee prior to acting on the exception.

7. Documentation

   Document the above items on Form TD-4810S-F03, "Form M - Integrity Management Exception Report." Place all approved exception reports in the project file.

12 Notification of Use of Other Technology

Per 49 CFR §192.927, "What are the requirements for using Internal Corrosion Direct Assessment (ICDA)?" (b) and 49 CFR §192.921(a)(4), the use of ICDA to assess a covered segment operating with liquid present in the gas stream (i.e. WG-ICDA) is considered an "other technology". If additional criteria are going to be utilized to evaluate for wet gas, the DAES must consult with PG&E's Regulatory Relations Group to notify PHMSA and the CPUC 180 days before conducting the assessment. PHMSA may be notified by mail, facsimile, or via the web.

A copy of the notification form shall be retained in the project file.

13 ICDA Project Records

The ICDA-PM shall prepare a report and submit it for approval to the Integrity Management Engineering Supervisor and the Manager of Integrity Management Engineering. The report should be filed in the ICDA project file.

The report should contain the following information:

- Pre-Assessment Report
- Region Selection Report
- Post Assessment Report
- Attachment 1, “ICDA Form A - Data Collection Example”
- Attachment 2, “ICDA Form B - ICDA Pre-Assessment Meeting Example”
- Attachment 3, “ICDA Form C - Feasibility Assessment Report Example”
- Attachment 4, “ICDA Form D - Flow Modeling Example”
- Attachment 5, “ICDA Form E - DC-ICDA Region Report Example”
- Attachment 6, “ICDA Form F - Site Selection for Direct Examination Example”
- Attachment 7, “ICDA Form I - Remaining Strength Evaluation and Root Cause Analysis Example”
- Attachment 8, “ICDA Form J - ICDA Direct Examination Overview Report Example”
- Attachment 9, “ICDA Form K - Remaining Life Determination Example”
- Attachment 10, “ICDA Form L - ICDA Performance and Effectiveness Report Example”
- Form TD-4810P-18-F01, “Form H - Direct Examination Data Sheet”
- Form TD-4810S-F03, “Form M - Integrity Management Exception Report”

For projects for which the WG-ICDA criteria were applied, the report should also contain the following information:

- Attachment 11, “ICDA Form N - WG-ICDA Modeling Summary Table Example”
- Attachment 12, “ICDA Form O - Additional Site Selection for Direct Examination per WG-ICDA Requirements Example”

Records shall demonstrate compliance with 49 CFR Part 192 and shall be retained for the useful life of the pipeline.

14 Notice of Change Process

The Company ensures tracking and transmittal of changes that could affect the integrity of a pipeline and uses standard MOC forms in addition to the other documentation and procedures described in Utility Procedure TD-4810P-21, "Management of Change (Former RMP-21)." This Management of Change (MOC) procedure following *ASME B31.8S-2004: 11* ensures that, when changes are made to programs and pipeline systems, the impact of those changes on the integrity of the pipeline are considered and documented. The integrity MOC process is structured to ensure that qualified personnel are involved in the analysis, documentation, and approval of changes to the IMP.

14.1 Communications of Changes to ICDA Plan

Changes in the ICDA plan that affect the severity of classification, the priority of direct examination, and the timeframe of direct examination of indications shall be documented and notification shall be sent to the following parties:

- TIMP engineering manager
- TIMP DA engineering supervisor
- ICDA program manager
- ICDA project engineer
- Supervising engineer of risk management

14.2 Changes to ICDA Procedure

Changes in the ICDA procedure and all applicable gas design standards shall be documented and sent to affected contractors. Project engineer, program manager and contractors shall be automatically notified of changes in all applicable gas design standards through the technical document management subscriptions.

- Within 30 days, a follow-up meeting should take place to discuss changes and ensure contractors' understanding.
- Contractors shall acknowledge understanding of changes with signed document(s) or by email.
- Contractors shall begin to implement changes promptly and provide a schedule for completion of changes.

END of Instructions

Internal Corrosion Direct Assessment (Former RMP-10)

DEFINITIONS

Considered (C): A data element that is recommended to be taken into account for the feasibility assessment, designation of ICDA regions, or analysis of test results. Its omission does not require approval or documentation.

Corrosion: The deterioration of a material, usually a metal, that results from a reaction with its environment.

Corrosion Rate: The rate at which corrosion proceeds. The units are typically in mils per year (mpy).

Covered Segment: Covered segment or covered pipeline segment means a segment of gas transmission pipeline located in a HCA. The terms gas and transmission line are defined in 49 CFR §192, Subpart O, Gas Transmission Pipeline Integrity Management. 49 CFR §192.905 also describes how a HCA is identified.

Critical Inclination Angle: Determined by ICDA flow modeling; the lowest angle at which liquid carryover is not expected to occur under stratified flow conditions, thus presenting a condition for liquid holdup.

Defined Length: Any length of pipeline until a new input changes flow characteristics or the potential for water entry.

Desired (D): A data element that is recommended and should be obtained if reasonably possible or easily measured. Its omission does not require approval or documentation.

Direct Examination: Examination of the pipe wall at a specific location to determine whether internal corrosion is present utilizing non-destructive evaluation (NDE) methods. This may be performed using visual, ultrasonic, radiographic, or other means.

Direct Assessment: A structured process to assess the integrity of pipelines.

Discovery Date: The discovery date is the notification date of immediate anomalies or the receipt of the final ILI vendor report, if ILI tool is utilized as the direct examination tool for the IC threat, or all of the direct examination reports (H-form, UT and RT reports etc.) of the subject inspection site.

Discovery of Condition: Per 49 CFR §192.933, “What actions must be taken to address integrity issues?” (b), discovery of a condition occurs when an Operator has adequate information about the condition to determine that it presents a potential threat to the integrity of the pipeline.

ICDA Region: A continuous length of pipeline (including weld joints) or taps off of a pipeline uninterrupted by any significant change in water or flow characteristics that includes similar physical characteristics, sources of gas/liquids, and/or operating history.

Dry Gas: A gas at a temperature above its dew point and without condensed liquids that meets the requirements of Rule 21.

Internal Corrosion Direct Assessment (Former RMP-10)

DEFINITIONS (continued)

Dry Gas Internal Corrosion Direct Assessment (ICDA): The internal corrosion direct assessment process as defined in this utility procedure, applicable to normally dry gas systems.

Electrolyte: The liquid adjacent to and in contact with the internal pipeline surface, including the moisture and other chemicals contained therein. In the electrolyte, the ions present will migrate in an electric field.

External Corrosion Direct Assessment (ECDA): Per 49 CFR §192.925, the four-step process that combines Pre-Assessment, Indirect Inspection, Direct Examination, and Post-Assessment to evaluate the threat of external corrosion to the integrity of the pipeline. Refer to Utility Procedure TD-4810P-09, "External Corrosion Direct Assessment (Former RMP-09)," for ECDA Procedures.

First Time: The First Time the ICDA methodology is used to assess the integrity of gas transmission pipeline for internal corrosion threat. Application of ICDA methodology after an In-Line Inspection or pressure test does not constitute a First Time assessment.

Fluid: A substance that does not permanently resist distortion. Both liquids and gases are fluids.

Flow Model: A mathematical approach used to model systems. In ICDA, flow modeling is utilized to find the critical inclination angle past which liquid holdup is expected. This includes evaluating flow velocities and the potential of liquid accumulation.

Gathering System: Pipeline and related facilities to collect and move produced gas progressively starting from individual wells to a trunk, common, or main line. Produced gas typically will not meet gas quality specifications typical of gas transmission systems without additional processing.

Geographic Information System (GIS): A system including data, hardware, software, and personnel, for managing information connected with geographic locations.

High Consequence Area (HCA): Location along a pipeline that meets the characteristics specified in 49 CFR Part 192, Subpart O. More on HCA identification can be found in Utility Standard TD-4127S, "Class Location and High Consequence Area Determination and Compliance."

Historic Inlet: A pipeline inlet that is no longer used to transport gas into the line.

HCA-covered segment: Any length of pipe within and bounded by the borders of a High Consequence Area (HCA) that meets the characteristics specified by 49 CFR Part 192, Subpart O, requiring it to be included in the company Integrity Management Plan. More on HCA identification can be found in Utility Standard TD-4127S.

Inclination angle: An angle resulting from change in elevation between two points on a pipeline, in degrees.

Internal Corrosion Direct Assessment (Former RMP-10)

DEFINITIONS (continued)

Indication: Any deviation from the norm as measured by an indirect inspection tool.

Inlet: A point where the flow rate in a pipeline is increased because gas is added to the pipeline; such as a receipt point, a lateral/branch connection, etc.

Internal Corrosion (IC): Corrosion occurring on the inside of a pipeline, defined by its shape and morphology (not solely by its depth), and not due to manufacturing variations.

In-Line Inspection (ILI): The inspection of a pipeline from the interior of the pipeline using an in-line instrumented inspection tool. The tools used to conduct ILI are known as pigs, smart pigs, or intelligent pigs.

Liquid: A substance that tends to maintain a fixed volume but not a fixed shape, not limited to water. For example, this includes oil, glycol, hydrocarbon, production fluids, etc.

Liquid Carry-over: The converse of Liquid Holdup: when conditions allow for the movement of liquids further downstream. Cf. Potential Liquid Holdup Location.

Liquid Holdup: Accumulation of liquid in a location or prevention of liquid from being transported downstream

Liquid Upset: The introduction of liquid to the pipeline, generally due to an upset condition.

Low Point: Pipeline locations and features, such as sags, drips, inclines, valves, manifolds, dead-legs, and traps, where liquids can accumulate.

Maximum Allowable Operating Pressure (MAOP): The maximum pressure at which a pipeline system is qualified to operate in accordance with the requirements of 49 CFR Part 192. Refer to Utility Standard TD-4125S, “Maximum Allowable Operating Pressure Requirements,” for more details.

Microbiologically Influenced Corrosion (MIC): Metal corrosion or deterioration which results from the metabolic activity of microorganisms.

Mil: A thousandth of an inch. Used in corrosion rate in mils per year.

Natural Gas: Primarily methane as produced from natural sources.

Nondestructive Evaluation (NDE): An inspection technique that does not damage the item being examined.

Outlet: A point where the flow rate in a pipeline is reduced because gas is removed from a pipeline; such as a delivery or take point, a lateral/branch connection, etc.

Potential Liquid Holdup Location: Pipeline locations and features, such as sags, drips, inclines, valves, manifolds, dead-legs, and traps, where liquids can accumulate. In ICDA, corresponds to any low point and associated uphill inclination until critical inclination angle is reached.

Internal Corrosion Direct Assessment (Former RMP-10)

DEFINITIONS (continued)

Remediation: A procedure or operation that addresses the factor(s) causing a defect or imperfection.

Required (R): A data element that must be obtained or else its omission must be approved and documented per Section 10 of this utility procedure.

Segment: A portion of a pipeline that is (to be) assessed using ICDA. A segment may consist of one or more ICDA regions.

Shall: A requirement that must be complied with or else its exception must be approved and documented in accordance with Section 11.0 of this utility procedure.

Should: A recommendation that is desirable to follow if possible.

Stratified Flow: A multiphase-flow regime in which fluids are separated into layers, with lighter fluids flowing above heavier (i.e., higher density) fluids.

Superficial Gas Velocity: The volumetric flow rate of gas (at system temperature and pressure) divided by the cross-sectional area of the pipe.

Top Of Line Corrosion: Corrosion that takes place on the top of pipelines transporting wet gas or multiphase fluids as a result of water condensing on the pipe surface in the presence of corrosive gases

Upset Condition: Any abnormal operating condition or interruption associated with upstream gas pipelines and facilities that could result in a change in gas quality or the presence of liquids.

U.S. Geological Survey (USGS): Responsible for providing scientific information to describe and interpret the U.S. landscape by mapping the terrain, monitoring changes over time, and analyzing how and why these changes have occurred.

Wet Gas: Gas that does not meet the requirements to be considered dry gas. Wet gas either contains condensing liquids or free liquids such as would be associated with gas production, gathering, and storage (i.e., upstream of processing).

IMPLEMENTATION RESPONSIBILITIES

This utility procedure is communicated via a Gas Technical Document Management (TDM) Communications Monday morning email announcement. In addition, implementation will be communicated to TIMP personnel by TIMP leadership.

GOVERNING DOCUMENT

Utility Standard TD-4810S, Gas Transmission Integrity Management Program (Former RMP-06)

Internal Corrosion Direct Assessment (Former RMP-10)

COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

Code of Federal Regulations (CFR), Title 49 – Transportation, Part 192-Transportation Of Natural And Other Gas By Pipeline: Minimum Federal Safety Standards, Subpart O, “Gas Transmission Pipeline Integrity Management”

California Public Utilities Commission (CPUC) General Order (GO) 112-E, “Design, construction, testing, maintenance and operation of utility gas gathering, transmission and distribution piping systems”

American Society of Mechanical Engineers (ASME)/ American National Standards Institute (ANSI) B31.8S-2004, Section 6.4 and Appendix B.2

REFERENCE DOCUMENTS

API Specification 5L, 45th Edition, “Specifications for Line Pipe”

ASME B31.8S-2004 (Revision of ASME B31.8S-2001), "Managing System Integrity of Gas Pipelines", ASME Code for Pressure Piping, B31 Supplement to ASME B31.8, The American Society of Mechanical Engineers (ASME).

ASME B31G-1991, "Manual for Determining the Remaining Strength of Corroded Pipelines", A Supplement to ASME B31 Code for Pressure Testing, The American Society of Mechanical Engineers (ASME), 1991.

Form TD-4810P-18-F01, “Form H - Direct Examination Data Sheet”

Form TD-4810S-F03, “Form M - Integrity Management Exception Report”

GRI 02/0057, "Internal Corrosion Direct Assessment of Gas Transmission Pipelines Methodology", Gas Technology Institute (GTI), GTI Contract No. 8329, April 2002. This report is incorporated by reference into 49 CFR Section (§)192.927, “What are the requirements for using Internal Corrosion Direct Assessment (ICDA)?” as GRI 02/0057 (2002) (see 49 CFR §192.7).

NACE Standard Practice SP0206-2006, “Internal Corrosion Direct Assessment Methodology for Pipelines Carrying Normally Dry Natural Gas (DG-ICDA)”

NACE Standard Practice SP0110-2010 Wet Gas Internal Corrosion Direct Assessment Methodology for Pipelines

UO Guideline G14413 "Procedure For Excavating Pipelines and Services", November 6, 2000.

Utility Procedure TD-4100P-05, “Selection of Steel Gas Pipeline Repair Methods”

Utility Procedure TD-4810P-09, “External Corrosion Direct Assessment (Former RMP-09)”

Utility Procedure TD-4810P-11, “In-Line Inspections (Former RMP-11)”

Utility Standard TD-4412S, “Preventing Damage to Underground Facilities”

Internal Corrosion Direct Assessment (Former RMP-10)

APPENDICES

Appendix A, “Acronyms and Abbreviations”

Appendix B, “Pre-Assessment Data Collection”

Appendix C, “Examples of Pipeline Inclinations and Critical Angle Calculations (NACE Appendix A)”

Appendix D, “Triggers for Internal Corrosion Corrective Work”

Appendix E, “Direct Examination Data Collection Requirements”

ATTACHMENTS

Attachment 1, “ICDA Form A - Data Collection Example”

Attachment 2, “ICDA Form B - ICDA Pre-Assessment Meeting Example”

Attachment 3, “ICDA Form C - Feasibility Assessment Report Example”

Attachment 4, “ICDA Form D - Flow Modeling Example”

Attachment 5, “ICDA Form E - DC-ICDA Region Report Example”

Attachment 6, “ICDA Form F - Site Selection for Direct Examination Example”

Attachment 7, “ICDA Form I - Remaining Strength Evaluation and Root Cause Analysis Example”

Attachment 8, “ICDA Form J - ICDA Direct Examination Overview Report Example”

Attachment 9, “ICDA Form K - Remaining Life Determination Example”

Attachment 10, “ICDA Form L - ICDA Performance and Effectiveness Report Example”

Attachment 11, “ICDA Form N - WG-ICDA Modeling Summary Table Example”

Attachment 12, “ICDA Form O - Additional Site Selection for Direct Examination per WG-ICDA Requirements Example”

DOCUMENT RECISION

Risk Management Procedure (RMP)-10, “Internal Corrosion Direct Assessment,” Rev. 4, published 08/2015

Internal Corrosion Direct Assessment (Former RMP-10)

DOCUMENT APPROVER

Jeff Janvier, Manager, Transmission Integrity Management Engineering

DOCUMENT OWNER

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DOCUMENT CONTACT

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REVISION NOTES

Where?	What Changed?
All	Converted RMP-10, Rev. 4 to Utility Procedure TD-4810P-10, Rev. 0 using the Guidance Document Management (GDM).
Summary Section	Former Section 1, “Purpose,” moved to Summary Section.
Section 1-11	Former Sections 2-12 were renumbered due to the Former Section 1 move.
Section 7	Added Section 7.3, for “WG-ICDA Region Distinguishing Characteristics”
Section 9.4	Moved Table 2 contents to new Appendix E
Section 10.3	Added language that one additional direct examination must be conducted to provide additional confirmation that the ICDA process has been successful.
Section 10.7	Added new section, “Feedback and Continuous Improvement”
Section 14	Added new section, “Notice of Change Process”
Definitions	Former Section 14 included in the Definitions Section.
References	Former Section 15 included in the References Section.
Former Appendix A	Created individual documents for the forms, with the exception of Forms G, H, and M.
Former Form G	Was intentionally blank, therefore not created.
Former Form H	Assigned to Form TD-4810P-18-F01, “Form H - Direct Examination Data Sheet”
Former Form M	Assigned to Form TD-4810S-F03, “Form M - Integrity Management Exception Report”
Appendix E	Created new Appendix E, and incorporated former Table 2 contents.
Document Contact	Changed to Bryon Winget

Internal Corrosion Direct Assessment (Former RMP-10)

REVISION NOTES (continued)

RMP-10 Revision Notes

Rev No	Date	Description	Prepared by	Concur	Concur	Concur	Concur	Approved by
2	8/18/12	See Change Form	BDWN	K1KI	FAD1	B2BY	SLHB	RIT4
			Project engineer	Risk Management Supervisor	Manager, Integrity Management Engineering	Director, Transmission Integrity Management	Vice President, Managing Director, Law	Vice President, Public Safety & Integrity Management
3	9/29/2014	See Change Form	DDHK	-	FAD1	ECCA	SLHB	S1ST
			Principal Engineer, Direct Assessment Engineering	Manager, Transmission Integrity Management Engineering -	Manager, Transmission Integrity Management	Senior Director, Asset Knowledge and Integrity Management	Vice President, Managing Director, Law	Sumeet Singh, Vice President, Asset and Risk Management
4	8/5/2015	Added Wet Gas	DDHK	JSJA	GTK2	ECCA	SLHB	S1ST
			Principal Engineer, Direct Assessment Engineering	Manager, Transmission Integrity Management Engineering	Director Transmission Integrity Management	Senior Director, Asset Knowledge and Integrity Management	Vice President, Managing Director, Law	Sumeet Singh, Vice President, Asset and Risk Management

Appendix A, Acronyms and Abbreviations
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AC	Alternating Current
ASNT	American Society for Nondestructive Testing
C	Considered
CIS	Close Interval Survey
Cl	Chlorine
CNDDB	California Natural Diversity Database
CP	Cathodic Protection
CR	Corrosion Rate
D	Desired
DE	Direct Examination
ICDA	Dry Gas Internal Corrosion Direct Assessment, interchangeable with ICDA in this utility procedure
DOT	U.S. Department Of Transportation
DSAW	Double Submerged Arc Welded
ECDA	External Corrosion Direct Assessment
ER	Electric Resistance
ERW	Electric Resistance Welded
FAQ	Frequently Asked Questions
FBE	Fusion Bonded Epoxy
Fe	Iron
g	Gravity
GIS	Geographical Information System
GPS	Global Positioning System
GSO	Gas Systems Operations
GT&D	Gas Transmission and Distribution
HAA	Hot Applied Asphalt
HCA	High Consequence Area
ICDA-PM	ICDA Project Manager
ICPM	Internal Corrosion Prediction Model(s)
ID	Inner Diameter
ILI	In-Line Inspection
LPR	Linear Polarization Resistance
MAOP	Maximum Allowable Operating Pressure (psig)
MIC	Microbiologically Influenced Corrosion
mil	one-thousandth of an inch
MMSCF/D	Million Standard Cubic Feet per Day
Mn	Manganese
MP	Mile post
MT	Magnetic Particle Testing
MW	Molecular weight

Appendix A, Acronyms and Abbreviations
Page 2 of 2

N/R	Not required
NACE	National Association of Corrosion Engineers
NAD83	North American Datum of 1983
NDE	Non-Destructive Evaluation
OP	Operating Pressure
P	Pressure in psi
P/S	Pipe to Soil
PCB	Polychlorinated biphenyl
Pf	Predicted failure pressure
PG&E	Pacific Gas & Electric Company
pH	Potential Hydrogen - measure of acid/base
PLE	Pipeline engineer
PLM	Pipeline Machinery International
PSTP	Pressure at standard temperature and pressure
PT	Penetrant testing
R (equations)	Universal Gas Constant
R (forms)	Required
RL	Remaining Life
RSTRENG	Software to calculate Remaining Strength of externally corroded pipe
RT	Radiographic testing
SCC	Stress Corrosion Cracking
SF	Safety Factor
SF_{corr}	Safety Factor of Corroded Area
SF_{dr}	Safety Factor Design Requirements
SMLS	Seamless Steel Pipe
SMYS	Specified Minimum Yield Stress
SPT	Schlumberger-owned company SPT provides tools to measure flow rates
SSAW	Spiral Submerged Arc Welding
STA	Senior Technical Advisor
T	Temperature (degrees Fahrenheit)
t	Actual uncorroded wall thickness
TIMP	Transmission Integrity Management Program
TR	Temperature (degrees Rankine)
TSTP	Temperature at standard temperature and pressure
USGS	United States Geological Survey
UT	Ultrasonic Testing
UTM	Universal Transverse Mercator
YP	Yield pressure
Z	Compress bility factor

Appendix B, Pre-Assessment Data Collection

Table B-1. Data for Use of ICDA Methodology

ID#	Data Element	Required/ Desired	Feasibility Assessment	Identification of ICDA Regions	Use & Interpretation of Results
1.	**PIPE-RELATED**				
1.1	Diameter	REQUIRED	Internal diameter must be within flow model range.		Used in flow calculations to determine the critical inclination angle past which liquid carry-over is not expected. New critical inclination angles should be calculated for any length with a significant change.
1.2	Wall thickness	REQUIRED			Required to calculate the internal diameter (see 1.1). Also, impacts critical defect size and remaining life prediction of results.
1.3	Internal Coatings	REQUIRED	ICDA not appropriate for locations with internal corrosion protective coatings. The presence of flow coatings should also be considered.		Approved alternative internal corrosion integrity assessment method must be selected for lengths containing internal coatings.
1.4	Seam type	REQUIRED	If pre-1970 low-frequency electric resistance welded (ERW) or flash welded pipe located along the bottom half of the pipeline, ICDA may not be appropriate.		Location with pre-1970 low-frequency electric resistance welded (ERW) or flash welded pipe with increase selective seam corrosion susceptibility may require separate consideration.
1.5	Material and grade	Desired*	ICDA may not be appropriate for nonferrous materials.		Special consideration should be given to locations where dissimilar metals are joined. Can create local corrosion cells when exposed to the environment.
1.6	Year manufactured	Desired			Older pipe materials typically have lower toughness levels, which reduces critical defect size and remaining life predictions.
2.	**CONSTRUCTION-RELATED**				
2.1	Year installed	REQUIRED	ICDA will not find corrosion from previous service (e.g., reclaimed pipe).		Impacts corrosion rate estimates.
2.2	Type and locations of current and historic (removed) inlets and outlets, tie-ins, taps, insulating joints, drains, drips, cast iron components. Locations, data on any route changes/ modifications.	REQUIRED	1) Consider economic implications of applying ICDA to pipeline with numerous inlets. 2) Locations of drips, drains or other features where liquid hold-up may occur must be identified. 3) Special consideration should be given to locations at which dissimilar metals are connected.	Define new regions at each current or historic inlet. Outlets (current and historic) should also be used in region definition if it is possible there has been liquid input at these locations.	May impact interpretation of results; dissimilar metals may create local corrosion cells at points of contact. Information on orientation of features may assist in identification of those necessary to examine for internal corrosion.
2.3	Locations of compressors, and valves	REQUIRED		Should be considered during region definition; significant differences in superficial gas velocity may trigger new region definitions or should be considered in region analysis. Anywhere where liquid could condense should also be considered.	Use in flow calculations to determine the critical angle past which liquid carry-over is not expected. Because critical inclination angle is sensitive to differences in pressure, new critical inclination angles are calculated for lengths with significant changes in flow velocity.
2.4	Locations of road and water crossings (including roads no longer in service) and any associated casings/ river weights and anchors	REQUIRED	Consider economic and environmental implications of applying ICDA to lengths of pipe containing multiple sites at difficult to access locations. May significantly restrict the *Direct Examination Step*. Additional tools and other assessment activities may be required.		Special attention should be given to elevation changes at these locations; pipe depth measurements may be necessary to avoid extrapolating nearby results to inaccessible regions, which could introduce unacceptable error for ICDA.
2.5	Route maps/aerial photos	REQUIRED	Assists in pipeline locating; precise location data required.	May provide information about route that would be useful to region definition.	Typically contain pipeline data that facilitate ICDA. Essential to obtain coordinates of precise route location for purposes of elevation profiling with GIS/ USGS.

Appendix B, Pre-Assessment Data Collection
Page 2 of 4

Table B-1. Data for Use of ICDA Methodology (continued)

ID#	Data Element	Required/ Desired	Feasibility Assessment	Identification of ICDA Regions	Use & Interpretation of Results
2.	**CONSTRUCTION-RELATED (continued)**				
2.6	Construction practices	Desired	ICDA not desired for pipeline known or suspected to have experienced internal corrosion prior to or during installation. Mechanical damage may preclude use of ICDA.		
2.7	Proximity to other pipelines, structures, high voltage electric transmission lines, and rail crossings	Desired			Affects site selection. Could make direct examinations difficult. May be associated with pipe depth changes. Provides critical information for use during direct examinations.
2.8	Locations of accessories such as sampling points and temperature and pressure gauges	REQUIRED*			Provides locations where samples may have been or could be collected. Provides temperature and pressure at known locations that can be compared with modeling results.
3.	**TOPOGRAPHICAL DATA**				
3.1	USGS maps or GIS surveys	REQUIRED	An accurate elevation profile (sub-meter) is essential to ICDA. Tool used must be able to discern all important inclination angles. 1) If GIS is used, static or other high accuracy and precision method is required and sufficient data must be collected. Consider economic implications. 2) USGS data must have sufficient resolution. If USGS data is used, it may be necessary to supplement with quality GIS measurements in important locations (i.e., beginning of line to first site).		Locations of ALL low points must be identified. When collecting GIS (Geographic Information System) or USGS (U.S. Geological Survey) data, include marker locations (i.e., road and river crossings) in the comment section of the inclination spreadsheet, for future later reference during direct examinations.
3.2	Locations of exposed pipe, drips and crossovers	REQUIRED		Each exposed pipe, drip and crossover is considered its own location and will be examined.	Locations of all exposed pipe, drips and crossovers must be identified
3.3	Location of elevation changes, roads, rivers, drains, valves, drips, sags, manifolds, dead-legs, or traps	REQUIRED	An accurate and precise inclination profile is required. If the tool used for data collection does not have sufficient discernment of these features it must be supplemented by pipe depth measurements, static GIS, and/ or another tool which can discern pipeline elevation.		Special attention must be paid to these changes, which are not adequately captured in many topographical surveys. At these locations, pipe depth measurements may be necessary, as the elevation of the pipeline is likely to vary from the surface elevation.
3.4	HCA #s	REQUIRED			The location of HCAs is necessary to determine what special requirements must be taken for a covered segment (i.e. shorter re-assessment interval, continual monitoring, etc.)
3.5	Depth of cover	Desired	Depth of cover measurements are strongly recommended. These must be coordinated precisely with GIS or other data.		May impact success of ICDA. If significant inclinations are not captured, site selections are not expected to be accurate. It is recommended to collect pipe depth measurements simultaneous with GIS to avoid alignment issues.
4.	**OPERATIONAL DATA**				
4.1	Pipeline operating temperature	REQUIRED	Must be within flow model range.	Any significant changes (i.e., frozen ground) require consideration as these could affect liquid hold-up location.	Use in flow calculations to determine the largest critical inclination angle past which liquid carry-over is not expected. New critical inclination angles should be calculated for any length with a significant change.
4.2	Pipeline operating pressures	REQUIRED	Must be within flow model range.	Significant changes in pressure (i.e., due to compressor) may trigger new ICDA regions.	Collect minimum and maximum operating pressures. Use in flow calculations to determine the largest critical inclination angle past which liquid carry-over is not expected. New critical inclination angles should be calculated for any length with a significant change.

Appendix B, Pre-Assessment Data Collection
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Table B-1. Data for Use of ICDA Methodology (continued)

ID#	Data Element	Required/ Desired	Feasibility Assessment	Identification of ICDA Regions	Use & Interpretation of Results
4.	**OPERATIONAL DATA (continued)**				
4.3	Pipeline operating flow rates	REQUIRED	Must be within flow model range.	New regions are defined at current and historic inlets as these locations offer renewed liquid input potential. In case of bi-directional flow, regions are defined for each gas flow direction.	Collect minimum and maximum flow rates at minimum and maximum operating pressures for all inlets and outlets. 1) Use in flow calculations to determine the largest critical inclination angle past which liquid carry-over is not expected. New critical inclination angles should be calculated for any length with a significant change. 2) Range of all gas velocities must be known. 3) Periods of low/no flow must be considered.
4.4	Corrosion inhibitor solubility (electrolyte/ oil), carrier (glycol/ aromatic), point of injection, dose rate, years of treatment, monitoring/ detection of inhibitor in any downstream liquids.	REQUIRED	Pipeline should not have a history of internal corrosion inhibitor use. If there is any history, technical justification must be provided.		May impact ICDA in unknown ways. If inhibitor provides partial but incomplete pipeline protection, ICDA may not identify the most corroded locations. In these cases an alternative technique should be used.
4.5	Type of dehydration	REQUIRED	Type of dehydration should be considered.		Some dehydrating agents may encourage formation of sludge and solids or leave other residues. These may increase or decrease corrosion in locations at which they collect.
4.6	Service history	REQUIRED	If pipeline has been converted from a service for which ICDA is not applicable (e.g., crude oil, products) ICDA is not suitable.		
4.7	Operating stress levels and fluctuations (% SMYS)	REQUIRED			Impacts critical flaw size and remaining life predictions.
4.8	Data on liquid upsets (see 49 CFR §192 927 (c)(1)(iii))	REQUIRED	1) Dry gas ICDA is intended for nominally dry gas pipelines. 2) Information on upsets may help anticipate extent of internal corrosion and possibility for any non-stratified flow conditions. 3) If data is not available on upsets, they must be assured to have occurred at each entry point	If liquid is known or suspected to have entered the line from outlets, these should be included in region definition.	Collect data on liquid upsets, including frequency (intermittent/ chronic), nature of liquid, volume (if known), location, and potential damage resulting from these upset conditions. History of liquids in the line is useful in assessing likelihood and possible severity of internal corrosion in the pipeline. The dry gas ICDA method is based on assumption of stratified flow.
5.	**MONITORING DATA**				
5.1	Corrosion monitoring	REQUIRED	1) Provides important supplementary information for ICDA. 2) May provide information on presence and rate of internal corrosion. 3) Useful in defining re-assessment intervals/ future monitoring.		Collect locations and information from monitoring programs (coupons, electric resistance (ER)/linear polarization resistance (LPR) probes, leak surveys, etc.)
5.2	Gas analyses (particularly water vapor, hydrogen sulfide, carbon dioxide, and oxygen) see 49 CFR §192 927 (c)(1)(i))	REQUIRED	Dry gas ICDA is intended for normally dry gas pipelines, which implies normal operation at temperatures well above water dew point. Gas composition factors that may result in accelerated corrosion rate should be evaluated.		Operation of the pipe at temperature close to the water dew point may cause top of the line corrosion in locations not identified by dry gas - ICDA. Presence of CO_2, H_2S, or O_2 may accelerate internal corrosion. Their effects must be considered.
5.3	Bacteria culture test records	Desired			The impact of bacteria on internal corrosion should be considered.
5.4	Liquid chemistry (including free water, dissolved gases, and chlorides)	REQUIRED			The liquid chemistry impacts that corrosion rate.

Appendix B, Pre-Assessment Data Collection
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Table B-1. Data for Use of ICDA Methodology (continued)

ID#	Data Element	Required/ Desired	Feasibility Assessment	Identification of ICDA Regions	Use & Interpretation of Results
6.	**INSPECTION AND REPAIR DATA**				
6.1	Pipeline inspection reports – excavation	REQUIRED	Dry gas ICDA may not be applicable for pipelines with history of internal corrosion on the top of the pipeline.		Collect NDE and visual inspection reports. May impact repair; remediation, replacement schedules.
6.2	Repair history/ records.	REQUIRED			Collect repair history and records – such as steel/ composite repair sleeves, repair locations, etc. Repaired pipeline may mask an internal corrosion problem. For locations which are to be detail examined it is essential to know when excavated pipe has been repaired in the past and its condition previous to repair. Use this information in combination with current direct examinations in making further site selections.
6.3	Leak/rupture history (internal corrosion)	REQUIRED			Collect location and nature of leaks and failures. This is essential for ICDA site selection. Prior internal (or suspected internal) corrosion leaks must be considered concurrent with direct examinations in making further site selections.
6.4	Hydrostatic test	REQUIRED			Collect hydrostatic data (dates, pressures, water quality). Provides information on past presence of water.
6.5	Presence and analysis of solids and liquids	REQUIRED	Pipelines that contain accumulations of solids, sludge, or scale should not be assessed using Dry Gas ICDA, unless the influence of those materials has been carefully evaluated.		Document presence of solids and liquids in the pipe. If available, include analytical data of all removed sludge, liquids when cleaning pigs were employed or from liquid separators, hydrators, etc. and the analysis performed to determine the chemical properties and corrosivity, of the removed products. The presence of solids, sludge, and scale may affect the ability to predict where internal corrosion will occur.
6.6	Prior integrity-related activities	REQUIRED			Collect locations, frequency, dates, and results of other prior integrity-related activities and analyses, such as prior ICDA or LI (including ILI from mainlines attached to legs on which ICDA is being performed).
6.7	Prior maintenance pigging	REQUIRED	Dry gas ICDA is not intended for pipelines that have been or are currently being pigged. Pipelines subjected to regular maintenance pigging (i e., annual or more frequent basis) should not be assessed using ICDA.		Collect locations, frequency, and dates of prior maintenance pigging. Maintenance pigging affects where liquids collect, which directly affects the distribution of internal corrosion in a way not predicted by dry gas ICDA. The operator must provide technical justification when dry gas ICDA is applied to a pipeline that has any history of routine maintenance pigging.

Table B-2. Possible Effects of Solids and Sludge on Pipeline Internal Corrosion

	Action	Effect
1	Retain water inside a porous matrix or under a solid layer	Increases corrosion
2	Attract water through hygroscopic properties and/ or deliquescence	Increases corrosion
3	Formation of a concentration cell (i.e., under deposit corrosion)	Increases corrosion
4	Formation of a protective layer	Decreases corrosion

Table B-3. Design Requirements by Area Classification

Area Class	% SMYS	SFDR
1	0.72	1 39
2	0.6	1.67
3	0.5	2 00
4	0.4	2 50

Appendix C, Examples of Pipeline Inclinations and Critical Angle Calculations (NACE Appendix A)
Page 1 of 1

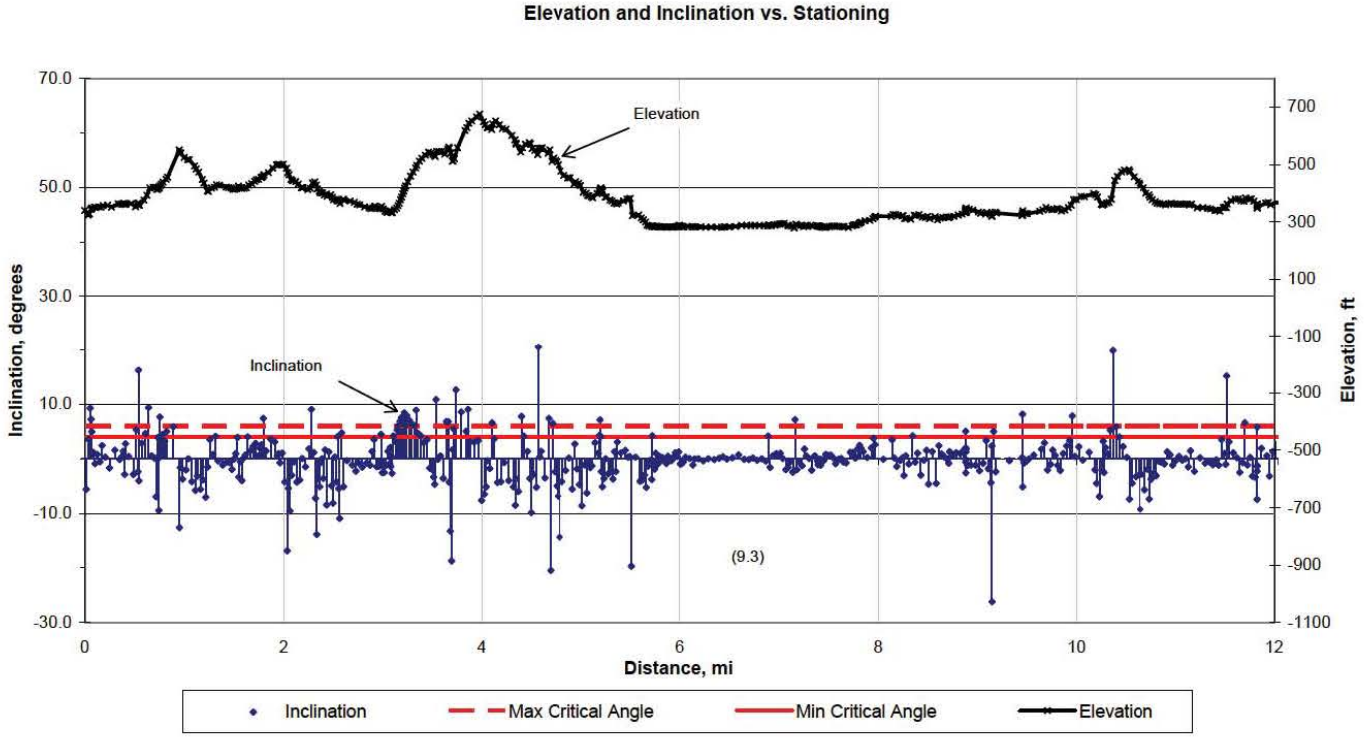

Figure C-1. Sample Plot of Inclination, Elevation, and Critical Angle for a Pipe Segment

Appendix D, Triggers for Internal Corrosion Corrective Work
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TRIGGERS FOR INTERNAL CORROSION CORRECTIVE WORK

The following attributes for establishing internal corrosion control are hereby proposed as a basis for when additional action should be taken. An out-of-specification reading would be the basis upon which actions are required. Once these limits or triggers are programmed into PLM an automatic work request will be generated to respond to the out of tolerance attribute. The possible actions taken are those listed below, and are listed in order of decreasing preference. A single action or multiple actions can be taken.

Normal sampling frequency for Gas Gathering pipelines are provided in the table below. Normal sampling frequency for Local Transmission and Backbone Transmission is lower, as provided in the table. Similarly, revised sampling frequencies based on documented evidence of no water being present for at least 3 consecutive times are provided in Footnote 1.

Table D-1. Triggers for Internal Corrosion Corrective Work for all CGT Pipelines.

Entry #	Species	Limit or Trigger	Gas Gathering PPL Normal Test Frequency (1)	Local Trans PPL - Normal Test Frequency (1)	Backbone PPL -Normal Test Frequency (1)
1	Corrosometer Probes	>2 0 mpy	Bimonthly	Semi-annually	Annually
---	**Water Sampling (2)**	---	---		
2	Fe	>30 ppm in water sample	Quarterly	Semi-annually	Annually
3	Mn	>2 0 ppm in water sample	Quarterly	Semi-annually	Annually
4	pH	< 6.0 as measured in water sample	Quarterly	Semi-annually	Annually
5	Conductivity	>20,000 micro-Siemens/cm	Quarterly	Semi-annually	Annually
6	Cl^-	>30,000 ppm	Quarterly	Semi-annually	Annually
7	Inhibitor (2)	Present at <100 ppm	Quarterly	Semi-annually	Annually
8	Microbes – (via serial dilution)	> 1000 counts/ml	Semi annually (every 6-months)	Semi-annually	Annually
---	**Gas Sampling**	---	---		
9	CO_2	Partial pressure > 7 psi, with water present. Or >1 0 % concentration by volume.	As Needed –testing based on other test results also.	As Needed – testing based on other test results also.	As Needed – testing based on other test results also.
10	H_2S	Partial pressure > 0.03 psi with water present	As Needed – testing based on other test results also.	As Needed – testing based on other test results also.	As Needed – testing based on other test results also.

1. When water testing at the normal frequency shows that there is no water present for 3 consecutive sample periods, then the water sampling frequency can be decreased. For gas gathering the water sampling frequency can be decreased to 1 time per year, for Local Transmission to 1 time per year, and for Backbone Transmission to 1 time every 3 years. These revised frequencies should not exceed these limits in order to help maintain pipeline safety, and to meet the intent of the new Pipeline Safety Act. Note that for Line 300 South, the sampling frequency is 1 time per month. This is for environmental and personnel safety reasons (PCB's) and **not** because of internal corrosion concerns.
2. All water samples should also be tested for the presence of inhibitor, to insure the substance is reaching the points of interest, and to verify the "reachout" or dispersal range of the chemical. Active ingredient in Baker Petrolite CGO 50 inhibitor is thioamide. A test for this thioamide substance is currently being developed and evaluated for practicality.

File Name <Triggers For Internal Corrosion Corrective Work Reformatted For ICDA Procedure rtf>

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925-974-4262
1/3/2005

Appendix E, Direct Examination Data Collection Requirements
Page 1 of 2

Table E-1. Direct Examination Data Collection Requirements.

Data Element	Data Type	Required	Description
1.0 Before Coating Removal			
1.1	Native Soil Type	R	Check the appropriate box to determine the type of soil the pipe is bedded in. The reference location shall be the middle of the bell hole length at the springline location. Also, in the comments section record the type of soil the pipe is bedded in using the United Soil Classification (USC) system. Clayey loam, clayey sandy loam, etc.
1.2	Existing Coating Type	R	Report the existing coating type, its approximate thickness, and the number of layers. For reference use the middle of the excavation length at the springline of the pipe.
1.3	Holiday Testing	R	This test allows for electrical identification of location and size of coating holidays, and is particularly valuable in identifying areas to pay special attention to during coating removal. The holidays should be mapped electrically unless the coating is sufficiently degraded to where it is obvious where the holidays are. These areas could provide significant evidence and help in determining the root cause of any corrosion that is found. In addition these areas could be critical in determining if the corrosion is active or inactive.
1.4	Measurement of pipe to soil potential	R	These measurements shall be performed in accordance with NACE Standard TM0497. The reference electrode shall be placed in the bank of the excavation within 1-2 inches of the coating. These potentials may help identify dynamic stray currents, as well as help in determining the root cause of any corrosion present (active vs. inactive).
1.5	Soil Resistivity	R	Soil resistivity measurements: (1) 4-pin method: The pin alignment shall be taken transverse to the pipe. The nearest probe shall be at least 10 feet from the pipe. Pin spacing shall approximate the pipe centerline depth. This is intended to be a measurement of **native (original)** soil conditions. (2) Soil Box: The soil desired here is that in which the pipe is bedded at the springline location in the middle of the excavation length. Note whether the soil is native or sand.
1.6	Soil Sample	R	The soil immediately adjacent to the pipe surface shall be collected with a clean spatula or trowel and placed in a 16 oz. plastic jar with a plastic lid. The soil desired here is that in which the pipe is bedded at the springline location in the middle of the excavation length. In some cases special samples must be obtained in-situ using a “spoon” that will keep the sample confined. The data will be used for determining the soil corrosivity using a risk based weight-function model, and should be used for prioritizing excavations within the same priority. The sample jar should be packed full to displace as much air as possible. Tightly close the jar, seal with plastic tape or equivalent and using a permanent marker or label to record the sample location on both jar and lid. See Appendix A.
1.7	Groundwater Samples	R	Take groundwater samples if water is present in the excavation. Water should always be collected from the open ditch when possible. **Completely fill** the plastic jar and seal and identify location as described above. For special situations it will be used for determining the bulk groundwater chemical properties.
1.8	Coating Condition	R	Document the general coating condition. Three conditions could exist (1) Coating is in good condition and completely adhered to pipe; (2) Coating partially disbonded and/or degraded; (3) The coating is significantly disbonded or missing, i.e., most of it comes off with the soil. Note: If no degradation is found, write a note in the comments section reflecting this.
1.9	Map of Coating Degradation	R	Note in the map the location of all coating holidays, calcareous deposits, etc. The zero reference shall be the farthest upstream location that is inspected.
1.10	Photo documentation	R	Document the coating condition with a digital camera. Photos shall have ruler or other device to determine magnification of photographs showing details of the pipe and coating condition. The minimum requirements shall be to document the following: • The type of cover • Macros showing the cross-section of the excavation (depth of pavement, soil strata, etc.); cross section showing the strata under the pipe especially if rocks are present. • Macros of areas where the jeep test shows holidays • As-found condition of the coating after excavation is complete • General condition of coating • Showing the overall presence or absence of calcareous deposits after the coating has been completely removed but **prior** to sandblasting. • Presence or absence of rocks embedded in the coating (preferably at the 6 00 position) • Pitting before and after sandblasting • Any unusual characteristics of the pipe or excavation • After recoating • Documenting the as-left condition of the site Macro as well as perspective views shall be recorded. The photo log on page 9 of 10 of the H-form shall be filled out with any necessary descriptions of the photographed areas.
1.11	Coating Sample	R	Two samples of the coating shall be obtained. One will be sent to a lab for asbestos testing. The other sample will be stored for physical examination and aid in determining root cause. This sample may also be used to determine the electrical and physical properties of the coating as well as for performing microbial tests. This sample shall be obtained from an area where the worst pipe damage was found, if possible. This sample shall be given to the PE
1.12	Under coating liquid pH analysis	R	If any liquid is detected underneath the coating the pH shall be determined with pH litmus paper. This test infers the relative level of CP reaching the pipe surface.
1.13	Corrosion Product Removal	R	Carefully remove any corrosion deposit for analysis. The presence or absence of corrosive species in the corrosion products can guide the root cause analysis. Analysis may include, but is not limited to, MIC testing, chemical testing, and in some cases XRD testing. MIC testing is required for corrosion products when corrosion greater than 20% is found. Note in comments section if MIC testing was performed and attach results to H-form
1.14	Soil pH	R	Obtain soil pH reading at the upstream and downstream ends of the bell hole using the Sb electrode. This must be done in the soil the pipe is bedded in. Helps determine the corrosivity of the soil.

Appendix E, Direct Examination Data Collection Requirements
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Table E-1. Direct Examination Data Collection Requirements (continued)

Data Element	Data Type	Required	Description
2.0 After Coating Removal			
2.1	Pipe Temperature & Pipe Diameter	D	Measure the bare pipe surface temperature. This factors into the tendency for coating to disbond and SCC susceptibility. Measure the circumference of the pipe using a pi tape or other suitable device and compute the actual outside diameter of the pipe.
2.2	Weld Seam Identification	D	The type of weld seam shall be identified and recorded. It will be used to compare with GSAVE, and the presence of brittle seam welds could also be determined. If the seam type cannot be determined, check that box. In some cases it will be necessary to perform a macro etch to locate and characterize the weld type and condition. The macro will only be done when specifically called for by the PE Recoating of the pipe and backfilling of the bell hole will not be allowed unless the long seam has been identified or there is no external corrosion.
2.3	Girth Weld Coordinates	R for ILI	This is required for ILI inspections. ILI keys on the nearest girth weld to determine the location of the bell hole and to compare to ILI girth weld data.
2.4	Other Damage	R	Other damage to the pipe surface that can be visually detected shall be recorded, and **immediately** reported to PG&E. Examples of such damage would include gouges, cracking, dents and out of roundness.
2.5	UT Wall Thickness Measurements	R	Ultrasonic wall thickness shall be taken at every quadrant on the pipe to establish original/nominal wall thickness. In cases where an ICDA pre-assessment has been performed, a UT grid shall also be obtained at the 6:00 location for a length of 1-foot circumferential by 1-foot axial. Grid size shall be 1”x1”. The minimum thickness measured in each grid box shall be recorded. The grid shall be located at the low end of the pipe. This ICDA grid and angle of inclination shall be recorded on page 6 of 10 on the H-form.
2.6	Wet Fluorescent Magnetic Particle Inspection	R	For determining the presence or absence of SCC this test shall be performed. Only the AC yoke method shall be used. Surface preparation shall be light sandblasting. On occasion the PE may require walnut shell blasting. Dry powder methods are not acceptable. Direct electric current methods are not acceptable. All indications shall be photo documented under both black and white light and the photos included in the report. The PG&E PM shall be notified immediately of any indications found.
2.7	Photographic Documentation of Corroded Area	R	The corroded surface shall be photographed, preferably with a digital camera to document the morphology and extent of the corrosion. The photo log on page 9 of 10 of the H-form shall be filled out with any necessary descriptions of the photographed areas.
2.8	Overview Map Of Corroded Area.	R	An overview map of the corroded area shall be sketched out onto the form. Enough detail shall be included to sufficiently document where and how large the corroded areas are. The zero reference point shall be the farthest upstream location that is inspected.
Form H, Page 3 of 10	Excavation Drawing	D	The pipeline inclination angle and the depth profile shall be measured and recorded at each end and in the middle of the bell hole. The inclination angle shall be recorded in the boxes above the grid, and the depth profile shall be measured and documented in the grid.
Form H, Pages 4 and 5 of 10	Pit Depth Measurement Grid Sheets	R	Corrosion damage shall be measured with sufficient detail to enable accurate RSTRENG analyses of the corrosion area. A grid of wall loss measurements shall be taken over the entire corroded areas. The grid shall be oriented so that columns are circumferentially oriented on the pipe and the rows lie parallel to the longitudinal axis of the pipe. The grid size should be sufficiently fine to document the variation of wall thickness but in no case shall be greater than a one-inch mesh. The grids shall be documented on pages 4 of 10 and 5 of 10 on the H-Form. Note: If no corrosion >20% is found, a note in a text box on the grid is required stating “No Corrosion >20% Found”.
3.0 Pipe Recoat Data			
3.1	Sandblast Media	R	Record the type of media used – sand, grit, or copper slag are all acceptable. Use of shot is prohibited. Also record the final anchor profile measurement using the TesTex Press-O-Film tape method. Verify conformance to SSPC SP-10 near white metal surface condition.
3.2	Re-coating Type	R	Record the coating type used to recoat the pipe.
3.3	Environmental Conditions	R	Document the relative humidity, temp, dew point, etc., at the time of coating. For epoxy systems, the pipe must be over 50 degrees F, at least 5 degrees F above the dew point and the relative humidity must be less than 80%.
3.4	Repair Coating Hardness	R	Epoxy systems: measure and record the final hardness before the pipe has been released for burial.
3.5	Coating Thickness	R	Measure the coating thickness at the locations given. Each clock position listed shall be the average of 3 readings within a 4 cm circle. The repair coating shall be holiday tested and all holidays must be repaired and retested. It is preferable to repair holidays using the same coating system, although alternative repair systems can be acceptable. The PG&E PE must approve all alternative repair systems.
3.6	Coupon Test Station Installation	R	Document the type of test station left behind. For coupons, it is recommended that the commissioning should begin no sooner than 3 months after installation. The test station should be installed at the extreme end of the bell hole adjacent to or in the “old” coating that is **NOT** being reconditioned. **The coupon test station shall be installed per PG&E Gas Standard & Specification O-10.2 in a minimum of 3’x3’x3’ cube of native soil. If the dig will require import backfill, enough native soils shall be retained to satisfy the 3’ cube**.
3.7	Backfill Material	R	Note what material was used for backfill and whether or not pipe protection was used.
3.8	P/S Readings	R	Perform at least 1 P/S on reading over the pipeline after backfilling but **BEFORE** paving or any concrete work is done. In some cases perform a local “on” survey and record the results.
3.9	Site Sketch	R	A sketch of the site arrangement shall be made, showing the inspected area as well as measured distances from physical features such as roads, buildings, distance from upstream girth weld (if available), etc. The purpose would be to be able to determine the location using physical markers in the field (without using GPS) should the area be paved over, and to confirm the locations of those structures in GSAVE.

Attachment 1, ICDA Form A - Data Collection Example

PROJECT INFORMATION		
Project Name:	Date:	Project Manager:
Line Number:	Starting Mile Point:	Ending Mile Point:

R = Required, D = Desired, C = Considered, N/R = Not Required.
Data Sources: Division/Archive Files, GIS, Field, Pipeline Databases, Maps, Other

ID #	Data Element Description	Requirements				Data Sources	Sign Off	Data Obtained	Comments
		Need	Inspection Tool	Region Selection	Interpretation Analysis				
1.0 Pipe-Related									
1.1	Diameter	R	R	C	R				
1.2	Wall thickness	R	R	N/R	R				
1.3	Internal Coatings	R	R	N/R	R				
1.4	Seam Type	D	C	N/R	C				
1.5	Material and grade	D*	C	C	C				
1.6	Year manufactured	D	N/R	N/R	R				
2.0 Construction-Related									
2.1	Year installed	R	R	N/R	R				
2.2	Type and locations of current and historic (removed) inlets and outlets, tie-ins, taps, insulating joints, drains, drips, cast iron components. Locations, data on any route changes/ modifications.	R	R	R	R				
2.3	Location compressors and valves	R	N/R	R	C				
2.4	Locations of road and water crossings and any associated casings/river weights and anchors	R	C	N/R	R				
2.5	Route maps/aerial photos	R	R	C	R				

ID #	Data Element Description	Requirements				Data Sources	Sign Off	Data Obtained	Comments
		Need	Inspection Tool	Region Selection	Interpretation Analysis				
2.0 Construction-Related (continued)									
2.6	Construction practices	D	C	N/R	C				
2.7	Proximity to other pipelines structures, HV electric transmission lines and rail crossing	D	N/R	N/R	C				
2.8	Locations of accessories such as sampling points and temperature and pressure gauges	R*	N/R	R	R				
3.0 Topographical Data									
3.1	USGS maps or GIS surveys	R	R	C	R				
3.2	Locations of exposed pipe, drips, and crossovers	R	R	R	C				
3.3	Locations of elevation changes, roads, rivers, drains, valves, drips, sags, manifolds, dead-legs, or traps	R	R	N/R	C				
3.4	HCA #s	R	C	N/R	R				
3.5	Depth of cover	D	C	N/R	C				
4.0 Operational Data									
4.1	Pipeline operating temperature	R	R	C	R				
4.2	Pipeline operating pressures	R	R	C	R				
4.3	Pipeline operating flow rates	R	R	C	C				
4.4	Corrosion inhibitor solubility, carrier, point of injection, dose rate, years of treatment, monitoring, detection of inhibitor in downstream liquids	R	R	C	C				
4.5	Type of dehydration	R	R	N/R	C				
4.6	Service history	R	R	C	C				

Attachment 1, ICDA Form A - Data Collection Example

ID #	Data Element Description	Requirements				Data Sources	Sign Off	Data Obtained	Comments
		Need	Inspection Tool	Region Selection	Interpretation Analysis				
4.0 Operational Data (continued)									
4.7	Operating stress levels and fluctuations (% of SMYS)	R	N/R	N/R	R				
4.8	Data on liquid upsets (see 49 CFR §192.927(c)(1)(iii))	R	C	C	C				
5.0 Monitoring Data									
5.1	Corrosion monitoring	R	R	N/R	C				
5.2	Gas analyses (particularly water vapor, hydrogen sulfide, carbon dioxide, and oxygen)	R	C	N/R	R				
5.3	Bacteria culture test records	R	C	N/R	R				
5.4	Liquid chemistry	R	C	R	R				
6.0 Inspection And Repair Data									
6.1	Pipeline inspection reports-excavation	R	R	N/R	C				
6.2	Repair history/records	R	C	C	R				
6.3	Leak/rupture history (internal corrosion)	R	C	C	R				
6.4	Hydrostatic test	R	C	C	R				
6.5	Presence of solids and liquids	R	R	C	C				
6.6	Prior integrity- related activities	R	R	N/R	R				
6.7	Prior maintenance pigging	R	R	R	R				

*Only required when additional WG-ICDA requirements are being applied.

Sufficient Data: ☐ YES ☐ NO

ICDA Project Engineer:	**Signature:**	**Date (MM/DD/YYYY):**
DA Engineering Supervisor:	**Signature:**	**Date (MM/DD/YYYY):**

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 2, ICDA Form B - ICDA Pre-Assessment Meeting Example

PROJECT INFORMATION	
Project Name:	Date:
Starting Mile Point:	Project Engineer/Field Engineer:
Ending Mile Point:	Project Manager:

Purpose: To understand the pipeline maintenance history from a local maintenance perspective.

Recommended people to interview:

Pipeline Engineers, LT Superintendent, Corrosion Mechanic, T&R Supervisor, District Superintendent, Environmental/Land Department, and Division Engineer. Some retirees may also need to be interviewed.

Attending:
Absent:

	Questions	Responses
A. General Maintenance Practices		
1.	Past Repair History – Any history of questionable repairs or decisions not to repair? Need to listen for story and then check Form A/pipe inspection forms.	
2.	Records or oral history of shorted pipes?	
3.	Past Operating History – Check with Gas Control for operating history with regard to pressures and outages that were taken for repairs.	
B. External Corrosion Control Issues		
1.	Type of CP protection (rectifier or galvanic anodes, bonds, current sources). How do you interrupt?	
2.	Past CP history – Where are the protection problems, if any? Have compliance points been added or deleted over the years? If so, where?	
3.	Stray Current issues/history. Where are the areas believed to be influenced by foreign DC current sources or pipelines? What is the evidence to support that possible influence?	
4.	Are there any insulators on the subject lines? Which ones are operational, which ones have bonded, and which ones have failed? What is the history in terms of known failed insulators?	
5.	**Very Important** – Where have we sustained corrosion damage on the subject lines? What was believed to be the cause? Forms A must be gathered.	
6.	**Very Important** – Are there any galvanic anodes on the lines? If so, where are they located and for what reason were they installed? Are they interruptible?	

Attachment 2, ICDA Form B - ICDA Pre-Assessment Meeting Example

	Questions	Responses
C. Internal Corrosion Issues		
1.	Known liquids or history of liquids or sand in the pipeline?	
2.	Have there been any IC leaks in or near the survey areas?	
3.	Where are the drips located? What type of drips are present? Please provide the drip logs so that volume history can be computed.	
4.	What is the sampling frequency for the drips? Has it changed over the years? If so, why?	
5.	Were there ever any dehydration stations in the survey area? Are they still present? If not, why not?	
6.	Have any liquid chemical analyses or MIC testing been done? If so please provide records.	
7.	Where are the low points in the pipeline?	
8.	Are there any Corrosometer probes installed? If so where are they? What is the read frequency? Has it changed? If so why?	
9.	Are inhibitors or other chemicals being injected? If so where, how much, and which chemical? If so is residual testing performed?	
10.	Any evidence of CO_2 or H_2S in the gas stream?	
11.	Historical line pressure and flow rates are needed.	
12.	Are there any dew point or temperature records?	
13.	Has the line been previously pigged?	
14.	Has an ICDA ever been performed on or near the pipelines in the survey areas?	
D. Land Use/Permit Issues		
1.	Access issues – At the monitoring locations (above/below ground, etc.), are there vaults that need Division to access for contractor?	
2.	Access to rectifiers - Will Division or District personnel need to stand-by for interruption of rectifiers?	
3.	What are the soil types?	
4.	History of Land Use (e.g., horses or cattle ranches).	
5.	Are there any areas along the pipeline right of way that have environmental concerns (CNDDB)?	
6.	Any known locations where hazardous waste may have been dumped along the right of way?	
7.	Are there any areas with private property access issues such as belligerent dogs or owners, locked gates, etc.?	
8.	Any areas with permitting issues/concerns?	

Attachment 2, ICDA Form B - ICDA Pre-Assessment Meeting Example

	Questions	Responses
E. Construction-Related Issues		
1.	Are there any concrete caps installed over the pipelines other than the roadways themselves?	
2.	Are there any areas where the pipeline is known to be shallow (<36")?	
3.	Are there any known fault crossings or any other type of active or recent ground movement history?	
4.	Any history of scouring or erosion in the right of way?	
5.	What is the 3rd party damage history?	
6.	Any recent construction activity?	
7.	Any reinforced concrete coated pipe, saddle anchors, or river weights?	
8.	Any areas with excessively deep cover?	
9.	Any history of implementation of creative, cost saving designs?	
F. Other		
1.	Anecdotes about the operation of the pipeline.	
2.	Contact information – name, number, etc.	

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 3, ICDA Form C - Feasibility Assessment Report Example

PROJECT INFORMATION		
Project Name:	Route Number:	Project Manager:
Date:	Starting Mile Point:	Ending Mile Point:

INSTRUCTIONS

Provide the data requested per this procedure. Place a check mark next to all conditions that apply to the given pipeline segment.

CONDITIONS THAT MAY MAKE ICDA POTENTIALLY UNFEASIBLE

☐	The pipe normally contains liquids	☐	History of top-of-line corrosion	☐	Sufficient data is not available
☐	A corrosion inhibitor has been used	☐	The pipe is spiral-welded	☐	The pipeline is not accessible
☐	The pipe has an internal coating that provides corrosion protection	☐	Flow modeling cannot accurately portray the line condition	☐	Other:
☐	The pipe has a history of pig cleaning	☐	The pipe has a history of wet gas transportation		
☐	The pipe contains an accumulation of solids	☐	The pipe line history is unknown		

TECHNICAL JUSTIFICATION FOR PROCEEDING WITH ICDA PROCESS

EXTRA ACTIONS THAT MUST BE TAKEN AS A RESULT OF POTENTIALLY UNFEASIBLE CONDITIONS

ICDA Feasible?: ☐ YES ☐ NO	Additional WG-ICDA Required? : ☐ YES ☐ NO

ICDA Project Engineer:	Signature:	Date (MM/DD/YYYY):
DA Engineering Supervisor:	Signature:	Date (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 4, ICDA Form D - Flow Modeling Example

PROJECT INFORMATION	
Project Name:	Date:
Starting Mile Point:	Route Number:
Ending Mile Point:	Project Manager:

INSTRUCTIONS:
Provide the data requested per this procedure.

Flow Model Used:
Justification for using flow model if other than the given model, GRI 02-0057:
Comments:

FLOW MODELING RESULTS:

Route	Segment	MP Start	MP End	OP Flow Rate (MMscf/day)	V_e (ft/sec)	Critical Inclination Angle (degrees)	Min Θ (degrees)	Max Θ (degrees)	Notes

ICDA Project Engineer:	Signature:	Date (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 5, ICDA Form E - DC-ICDA Region Report Example

PROJECT INFORMATION	
Project Name:	**Date:**
Starting Mile Point:	**Route Number:**
Ending Mile Point:	**Project Manager:**

INSTRUCTIONS:

Provide the data requested per this procedure. Refer to Table B-1 of Appendix B for more detailed information regarding Region Distinguishing Characteristics. If the distinguishing characteristic is not contained in the list below, list the characteristic under Other, and provide a technical justification for it being used as a region distinguishing characteristic. ICDA Region is defined as a continuous length of pipeline (including weld joints) or taps off of a pipeline uninterrupted by any significant change in water or flow characteristics that includes similar physical characteristics, sources of gas/liquids, and/or operating history.

REGION DISTINGUISHING CHARACTERISTICS LIST:

1. Pipe
2. Bi-directional flow
3. Significant change in pressure
4. Inlets (history of liquids at inlet point)
5. Known locations of liquid
6. Containment Drips
7. Other*

Region #	MP Start	MP End	Min Pressure (psig)	Max Pressure (psig)	Min Flow Rate (MMscf/d)	Max Flow Rate (MMscf/d)	ID (in)

***JUSTIFICATION FOR BEING CONSIDERED A REGION-DISTINGUISHING CHARACTERISTIC (IF #7-OTHER):**

ICDA Project Engineer:	**Signature:**	**Date** (MM/DD/YYYY):
DA Engineering Supervisor:	**Signature:**	**Date** (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 6, ICDA Form F - Site Selection for Direct Examination Example

PROJECT INFORMATION		
Project Name:	Route Number:	Project Manager:
Date:	Starting Mile Point:	Ending Mile Point:

INSTRUCTIONS

Provide the data requested per this procedure. These sections provide instructions on determining site selections within each ICDA region. It shall be noted in the Comments field if a site has been selected as a validation inspection.

Route	MP	Region #	Critical Inclination Angle	Site Calculated Inclination Angle	GPS Coordinates (UTM Nad83)	OD (in.)	Wall Thickness (in.)	Coating Type	Comments

ICDA Project Engineer:	Signature:	Date (MM/DD/YYYY):
DA Engineering Supervisor:	Signature:	Date (MM/DD/YYYY):
TIMP Engineering Manager:	Signature:	Date (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 7, ICDA Form I - Remaining Strength Evaluation and Root Cause Analysis Example

PROJECT INFORMATION	
Project Name:	**Discovery Date:**
Evaluation Mile Point:	**Corrosion Technician:**
Line Number:	**Project Manager:**
ICDA Region Number:	**ICDA Site Number:**
Date of Evaluation:	

INSTRUCTIONS:

Provide the data requested per this procedure.

PIPE INFORMATION:

Diameter:	Wall Thickness:	Material:
SMYS:	MAOP:	Class Location:

AREA OF CORROSION WITH LOWEST BURST PRESSURE:

Length:	Width:	Max Pit Depth:	RSTRENG Burst Pressure:

PREDICTED BURST PRESSURE DETERMINATION (Pf):

Pf: | SF_{corr} (Pf/MAOP): | SF_{DR}: ☐ 1.39 ☐ 1.67 ☐ 2.00 ☐ 2.50

Area Class	% SMYS	SF_{DR}
1	0.72	1.39
2	0.6	1.67
3	0.5	2.00
4	0.4	2.50

Pipe Repair Required: ☐ YES ☐ NO

PEOPLE NOTIFIED:

Date Notified:

COMMENTS:

Attachment 7, ICDA Form I - Remaining Strength Evaluation and Root Cause Analysis Example

PROJECT INFORMATION	
Project Name:	Date:
Starting Mile Point:	Line Number:
Ending Mile Point:	Project Manager:

LIQUID AND GAS CHEMISTRY:

Solids Found: ☐ YES ☐ NO

IF YES, SOLID COMPOSITION:

Corrosive Microbes Present?: ☐ YES ☐ NO

CAUSE OF CORROSION:

REMEDIAL ACTIONS:

Is ICDA well suited to identify damage from the cause described above?: ☐ YES ☐ NO

COMMENTS:

ICDA Project Engineer:	Signature:	Date:
TIMP Engineering Supervisor:	Signature:	Date:
TIMP Engineering Manager:	Signature:	Date:

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 8, ICDA Form J - ICDA Direct Examination Overview Report Example

PROJECT INFORMATION		
Project Name:	Line Number:	Project Manager:
Date of Evaluation:	Starting Mile Point:	Ending Mile Point:

Selected Site		ICDA Region #	Design Wall Thickness (in.)	Rationale for Excavation (IC = internal corrosion)			Results of Excavation Internal Indication						Date of Direct Examination	Reassessment Date
Route	MP			Initial Excavation	IC Found at Previous Site	IC Found at Previous Two Sites	IC identified? (yes/no)	Minimum Wall Thickness (in.)	Orientation (o-clock)	Inclination Angle at Indication (degrees)	Length (in)	Width (in)		

ICDA Project Engineer:	Signature:	Date (MM/DD/YYYY):
DA Engineering Supervisor:	Signature:	Date (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 9, ICDA Form K - Remaining Life Determination Example

PROJECT INFORMATION	
Project Name:	Date of Evaluation:
Starting Mile Point:	Line Number:
Ending Mile Point:	Project Manager:

INSTRUCTIONS:
Provide the data requested per this procedure.

PIPE INFORMATION:		
Diameter:	Wall Thickness:	Material:
SMYS:	MAOP:	Class Location:

Route	MP	Region	Yield Pressure (psi)	Failure Pressure (psi)	MAOP (psi)	Thickness (inches)	Corrosion Rate (inches/year)	Remaining Life (years)	Reassess Interval* (years)

METHOD USED FOR DETERMINING CORROSION RATE:

JUSTIFICATION:

COMMENTS:

$$RL = \frac{0.85}{YP}\left((Pf - MAOP)\frac{t}{CR}\right)$$

where:
RL = Remaining Life (years)
YP = Yield Pressure (psi)
Pf = Predicted Failure Pressure (psi)

* Re-assessment Interval ≤ RL/2 and ≤ 7 years if a covered segment (see Section 10.4)

ICDA Project Engineer:	Signature:	Date (MM/DD/YYYY):
DA Engineering Supervisor:	Signature:	Date (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 10, ICDA Form L - ICDA Performance and Effectiveness Report Example

PROJECT INFORMATION	
Project Name:	Date:
Starting Mile Point:	Route Number:
Ending Mile Point:	Project Manager:

INSTRUCTIONS:
Provide the data requested per this procedure.

PRE-ASSESSMENT SUMMARY:					
1.0 Pipe-Related		2.0 Construction-Related		3.0 Topographical Data	
Material and Grade		Year Installed		USGS maps/GIS surveys	
Diameter		Inlets and Outlets		Elevation Changes	
Wall Thickness		Compressors and valves		Depth of Cover	
Seam Type		Road and Water Crossings		Exposed Pipe	
Internal Coating				HCA #s	
				Crossovers and Drips	
4.0 Operational Data		5.0 Monitoring Data		6.0 Inspection and Repair Data	
Temperature		Corrosion Monitoring		Inspection Records	
Pressure		Gas Analyses		Repair History	
Flow Rates		Bacteria Culture Tests		Leak/Rupture History	
%SMYS				Hydrostatic Test	
Water Vapor				Solids or Liquids (yes/no)	
Corrosion Inhibitor (yes/no)				Prior ILI or Pigging	
Dehydration (type)					
Service History					

Attachment 10, ICDA Form L - ICDA Performance and Effectiveness Report Example

PROJECT INFORMATION	
Project Name:	Date:
Starting Mile Point:	Route Number:
Ending Mile Point:	Project Manager:

PRE-ASSESSMENT SUMMARY:

Route	MP	ICDA Region #	Critical Inclination Angle	Site Inclination Angle		Corrosion Observed	Comments
				Calculated	Observed		

DIRECT EXAMINATION SUMMARY:

	Corroded Area <10% Nominal Wall Thick.	Corroded Area 10-20% Nominal Wall Thick.	Corroded Area 20-50% Nominal Wall Thick.	Corroded Area > 50 % Nominal Wall Thick.
Number of Excavations				
Minimum Remaining Life (range of years)				
Immediate Responses				
Number of Repairs or Remediation Actions				

POST-ASSESSMENT SUMMARY:	
Re-inspection Interval:	Exceptions: ☐ YES ☐ NO

DESCRIPTION:

FEEDBACK:

ICDA Project Engineer:	Signature:	Date (MM/DD/YYYY):
DA Engineering Supervisor:	Signature:	Date (MM/DD/YYYY):
TIMP Engineering Manager:	Signature:	Date (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 11, ICDA Form N - WG-ICDA Modeling Summary Table Example

PROJECT INFORMATION		
Project Name:	Route Number:	Project Manager:
Date:	Starting Mile Point:	Ending Mile Point:

INSTRUCTIONS
Provide the data requested per this procedure.

Region Number	Sub-region Number	Start (MP)	Stop (MP)	Pressure	Temperature	Liquid Holdup	Superficial Liquid Velocity	Superficial Gas Velocity	Flow Pattern	Corrosion Rate (mpy)	Wall Loss %

ICDA Project Engineer:	Signature:	Date (MM/DD/YYYY):
DA Engineering Supervisor:	Signature:	Date (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

Attachment 12, ICDA Form O - Additional Site Selection for Direct Examination per WG-ICDA Requirements Example

PROJECT INFORMATION		
Project Name:	Route Number:	Project Manager:
Date:	Starting Mile Point:	Ending Mile Point:

INSTRUCTIONS

Provide the data requested per this procedure. These sections provide instructions on determining additional site selection requirements to meet WG-ICDA criteria.

Route	MP	Region Number	Sub-region Number	GPS Coordinates (UTM Nad83)	Predicted Wall Loss (%)	OD (in.)	Wall Thickness (in.)	Coating Type	Comments

ICDA Project Engineer:	Signature:	Date (MM/DD/YYYY):
Program Manager:	Signature:	Date (MM/DD/YYYY):
TIMP Engineering Supervisor:	Signature:	Date (MM/DD/YYYY):
TIMP Engineering Manager:	Signature:	Date (MM/DD/YYYY):

REVISION NOTES

Where?	What Changed?
All	This is a new attachment.

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX I

2015 TRANSMISSION INTEGRITY MANAGEMENT – ASSESSMENT PLAN – PG&E

Data Key

Name	Explanation
HCA	HCA designation.
ROUTE	Line number of pipeline.
Begin Mile Point	Beginning Mile Point for the first segment of HCA.
End Mile Point	End Mile Point for the last segment of HCA.
Footage	This field denotes the cumulative footage of the HCA
Maximum Risk	The maximum risk calculated for all contiguous HCA segments within a HCA.
HCA Identification Date	This date is determined by the earliest born date for all contiguous HCA segments within a HCA.
HCA Previous Assessment Date	Data that the earliest assessment completion date within of all contiguous segments within a HCA or the inlet and outlet of a station.
HCA Assessment Due	The date is determined by the earliest assessment due date of all contiguous segments within a HCA or the inlet and outlet of a station per RMP-06.
HCA Assessment Plan Year	The planned year established to perform the integrity assessment(s). This is based on the external corrosion threat due date.
Planned Assessment Method(s)	This field identifies the planned assessment method(s) selected to address the threats identified on the HCA
EC Threat	External Corrosion Threat. Determined per Risk Management Procedure RMP-16 Section 7.1
IC Threat	Internal Corrosion Threat. Determined per Risk Management Procedure, RMP-16 Section 7.2
SCC Threat	Stress Corrosion Cracking Threat. Determined by Risk Management Procedure, RMP-16 Sect. 7.3
Manuf. (Seam) Threat	Seam related Manufacturing Threats. Determined per Risk Management Proc., RMP-16 Sect. 7.4
Manuf. (Body of Pipe) Threat	Manufacturing Threat from body of pipe threats. (Non-Seam Related). Determined per Risk Management Procedure, RMP-16 Section 7.4
Const. Threat	Construction Threat. Determined by Risk Management Procedure, RMP-16, Sec. 7.5
TPD Threat	Third Party Threat. Determined by Risk Management Procedure, RMP-16 Section 7.7
WROF Threat	Weather and Outside Forces Threat. Determined by Risk Management Proc., RMP-16 Sect. 7.9
EQUIP Threat	Equipment Threat. Determined by Risk Management Procedure, RMP-16 Section 7.6
IO Threat	Incorrect Operation Threat. Determined by Risk Management Procedure, RMP-16 Section 7.8

Assessment Plan
Pipeline

HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1	002	71.85	72.25	2111	35,499	11/10/2010	3/12/2015	2022	2022	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2	002	76.19	76.69	2610	24,489	12/17/2004	3/12/2015	2022	2022	ILI, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
3	002	87.07	88.50	7233	45,615	12/17/2004	3/12/2015	2022	2022	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
4	002	121.92	122.14	1205	48,726	12/17/2004	5/15/2014	2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
5	002	126.41	127.19	4184	45,273	12/17/2004	7/13/2013	2020	2020	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
6	002	129.49	129.92	2302	30,490	3/27/2012	7/13/2013	2020	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
7	002	139.25	140.15	4784	40,176	12/17/2004	7/13/2013	2020	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
8	002	153.83	154.29	3062	27,507	12/17/2004	7/13/2013	2020	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
9	0107-01	0.02	0.24	1148	47,833	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
10	0115-01	0.00	0.40	2007	50,316	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
11	0126-01	0.00	1.84	9336	61,963	12/17/2004	12/14/2012	2017	2016	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
12	0203-01	0.00	0.39	1959	47,078	12/17/2004	1/10/2016	2022	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
13	0203-01	0.55	0.82	1437	47,078	12/17/2004	1/10/2016	2022	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
15	0210-01	5.90	6.62	2963	51,578	12/17/2004	9/23/2014	2021	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
17	0210-01	4.49	4.79	1687	28,303	12/17/2004	9/23/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
18	0210-01	4.11	4.20	594	27,091	12/17/2004	9/23/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
19	0210-01	3.67	3.84	1408	27,757	12/17/2004	9/23/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
20	0210-01	1.88	2.38	2607	45,209	12/17/2004	9/23/2014	2021	2020	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
21	0211-01	0.54	0.68	825	55,442	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
22	0211-01	0.00	0.45	2387	55,442	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
27	021A	12.04	12.35	1645	47,666	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
28	021A	12.45	13.29	4580	43,857	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
29	021A	13.59	13.79	1132	36,117	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
30	021A	23.92	24.65	3740	47,666	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
31	021A	16.86	17.31	1086	41,575	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
32	021A	22.32	22.95	1934	43,468	11/15/2011		2021	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
33	021A	21.75	22.05	1639	30,856	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
34	021A	15.15	15.52	2077	43,962	11/2/2008	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
35	021A	26.26	26.55	1708	14,366	11/15/2011		2021	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
36	021B	0.52	1.15	3470	40,352	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	Low
37	021B	1.89	2.23	2906	50,857	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
38	021B	11.05	11.42	1760	50,857	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
39	021C	32.31	32.54	1221	42,951	10/21/2008		2018	2016	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
40	021C	33.56	35.05	7860	52,653	12/17/2004	9/26/2013	2017	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
41	021C	35.53	36.67	5644	52,653	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
42	021C	36.74	38.17	7886	52,653	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
43	021C	43.19	43.43	1328	52,653	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
44	021C	43.62	43.84	1660	52,653	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
45	021C	46.79	47.02	1159	42,808	12/17/2004	12/16/2010	2017	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
46	021C	47.23	47.62	2219	42,808	12/17/2004	12/16/2010	2017	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
47	021C	47.76	48.48	3691	42,808	12/17/2004	12/16/2010	2017	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
48	021C	48.68	52.09	20495	52,653	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
50	021C	52.19	53.11	5106	52,653	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
51	021C-1	35.19	36.26	5740	49,686	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
52	021D	19.06	19.32	1509	38,646	10/21/2008	3/28/2015	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
53	021D	20.37	25.02	24773	57,648	12/17/2004	3/28/2015	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
55	021D	30.11	30.36	1685	57,648	12/17/2004	3/28/2015	2022	2022	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
56	021D	30.53	30.83	1551	39,479	12/17/2004	3/28/2015	2022	2022	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
57	021D-1	0.00	1.15	5387	44,090	12/17/2004	12/16/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
58	021E	53.12	54.25	6086	49,691	12/17/2004	3/10/2011	2018	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
59	021E	55.33	55.83	2701	43,814	12/17/2004	3/10/2011	2018	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
61	021E	56.48	58.20	9392	45,746	12/17/2004	3/10/2011	2018	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
62	021E	58.47	59.39	4785	45,746	12/17/2004	3/10/2011	2018	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
63	021E	59.55	60.35	4114	44,717	12/17/2004	3/10/2011	2018	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
64	021E	60.45	61.43	5173	38,733	12/17/2004	3/10/2011	2018	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
65	021E	62.48	62.89	2446	43,501	12/17/2004	3/10/2011	2018	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
66	021E	63.48	63.94	2359	27,686	12/17/2004	3/10/2011	2018	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
67	021E	64.54	64.72	972	43,867	3/16/2006	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
68	021E	64.91	65.14	1207	40,683	12/17/2004	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
69	021E	65.29	65.42	741	40,137	8/22/2009	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
70	021E	66.75	67.08	1645	41,119	3/27/2012	3/7/2014	2021	2020	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
71	021E	67.25	67.49	1185	45,617	12/17/2004	3/7/2014	2021	2020	ILI	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
72	021E	67.85	68.43	3117	45,617	12/17/2004	3/7/2014	2021	2020	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
73	021E	69.13	69.34	1048	29,043	12/17/2004	3/7/2014	2021	2020	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
74	021E	70.62	70.92	1575	41,254	12/17/2004	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
75	021E	71.46	71.94	2519	39,595	12/17/2004	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
76	021E	73.31	73.86	2898	42,710	12/17/2004	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
77	021E	75.31	75.55	1226	24,081	12/17/2004	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
78	021E	79.55	79.76	1123	42,456	12/17/2004	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
79	021E	80.68	80.90	1131	37,719	12/17/2004	3/7/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
80	021E	81.86	84.57	14799	49,691	12/17/2004	3/7/2014	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
81	021E	96.59	96.78	1067	41,128	6/13/2012		2022	2019	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
82	021E	97.07	99.47	6721	49,691	12/17/2004	3/5/2012	2019	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
84	021E	109.39	110.19	3833	40,709	12/17/2004	3/5/2012	2019	2019	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
85	021E	110.83	111.07	1153	35,593	3/28/2006	3/5/2012	2019	2019	ILI	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
86	021E	111.23	114.51	16953	46,057	12/17/2004	3/5/2012	2019	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
88	021E	115.00	117.46	13103	49,691	12/17/2004	3/1/2013	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
89	021E	118.03	118.45	2165	44,245	12/17/2004	3/1/2013	2020	2017	ILI	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
90	021E	119.18	120.07	4746	49,691	12/17/2004	3/1/2013	2020	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
91	021E	120.31	120.43	752	43,685	12/17/2004	3/1/2013	2020	2017	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
92	021E	120.90	121.21	1510	42,328	12/17/2004	3/1/2013	2020	2017	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
93	021E	121.44	122.33	4303	46,106	12/17/2004	3/1/2013	2020	2017	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
94	021E	129.28	129.42	625	42,670	7/27/2010	3/1/2013	2020	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
95	021E	137.01	137.38	2093	49,691	12/17/2004	3/1/2013	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
96	021E	135.82	136.00	996	24,224	11/10/2008		2018	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
97	021F	20.97	21.16	1003	44,800	10/10/2006	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
98	021F	18.50	20.81	12188	50,016	12/17/2004	3/1/2013	2020	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
99	021F	16.86	18.32	7948	50,016	12/17/2004	3/1/2013	2020	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
100	021F	16.08	16.71	3226	42,685	12/17/2004	3/1/2013	2018	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
101	021F	15.30	16.08	3998	50,016	12/17/2004	3/1/2013	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
102	021F	14.39	15.30	4703	45,115	12/17/2004	3/1/2013	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
103	021F	13.92	14.21	1861	41,640	12/17/2004	3/1/2013	2020	2018	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
104	021F	13.38	13.92	3227	44,622	12/17/2004	3/1/2013	2020	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
105	021F	10.52	13.38	15226	50,016	12/17/2004	3/1/2013	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
106	021F	9.20	9.77	3133	37,116	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
107	021F	1.74	2.19	3262	50,016	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
108	021F	1.12	1.59	2513	50,016	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
109	021G	19.66	20.84	6216	48,312	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
110	021G	18.13	19.44	6536	48,312	12/17/2004	12/5/2012	2017	2017	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
111	021G	15.86	17.17	7068	47,407	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
112	021G	14.16	15.03	5693	47,435	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
113	021G	12.67	14.04	7770	48,312	12/17/2004	12/16/2010	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
115	021G	10.16	12.45	12145	48,312	12/17/2004	12/5/2012	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
116	021G	8.94	9.36	2478	47,420	12/17/2004	12/16/2010	2017	2017	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
117	021G	1.12	2.14	5403	44,132	12/17/2004	12/16/2010	2017	2017	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
118	021H	0.00	0.89	4941	51,650	12/17/2004	12/5/2012	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
119	021H	1.07	1.82	2470	51,650	12/17/2004	12/16/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
120	021H	1.55	2.00	2486	45,576	3/2/2006	12/5/2012	2019	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
122	021H	2.25	2.59	2750	40,182	12/17/2004	12/5/2012	2019	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
124	021H	2.87	3.06	653	45,576	12/17/2004	12/5/2012	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
125	021H	3.83	4.64	4815	38,907	12/17/2004	12/5/2012	2019	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
128	021H	5.06	5.48	3020	41,932	12/17/2004	12/5/2012	2019	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
129	021H	5.68	6.43	5730	45,576	12/17/2004	12/5/2012	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
130	021H	6.56	7.28	6335	40,789	12/17/2004	12/5/2012	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
133	021H	7.49	7.66	882	40,789	12/17/2004	12/5/2012	2019	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
134	021H	7.98	8.39	2192	40,789	12/17/2004	12/5/2012	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
135	021H	11.29	11.41	1312	15,278	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
136	0401-01	4.46	5.48	5267	59,486	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
137	0401-01	1.48	3.25	9505	59,486	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
138	0401-01	0.70	0.97	1695	33,036	10/8/2008	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
139	0401-01	0.00	0.08	417	59,486	6/23/2010	8/7/2012	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
140	0402-01	0.83	2.36	8080	52,705	12/17/2004	3/1/2013	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
141	0402-01	0.00	0.66	3503	52,705	12/17/2004	3/1/2013	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
142	0404-11	0.00	0.04	175	45,505	11/30/2010	9/29/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
143	0405-01	1.72	4.28	13361	53,538	12/17/2004	3/1/2013	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
146	0405-01	4.37	6.02	8682	53,538	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
147	0405-01	6.15	7.13	4159	53,538	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
148	0405-01	8.09	8.25	1439	51,259	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
149	0405-01	8.71	9.20	2395	51,259	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
151	0405-01	11.09	11.43	1952	51,763	12/17/2004	12/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
152	0405-01	11.64	11.79	747	51,763	9/21/2010	12/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
153	0405-01	14.83	15.28	2142	53,538	12/17/2004	12/16/2010	2017	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
155	0405-01	16.79	17.23	2370	53,538	12/17/2004	12/16/2010	2017	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
156	0405-01	17.53	17.72	1036	53,538	12/17/2004	12/16/2010	2017	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
157	0405-01	18.43	18.45	1417	42,504	12/17/2004	12/16/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
159	0407-01	1.82	2.04	1191	35,831	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	Low
160	0407-01	2.48	2.87	2038	46,290	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
162	0407-01	2.97	3.16	1007	54,201	12/17/2004	3/1/2013	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
163	0407-04	0.00	0.03	166	46,696	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
167	050A	10.91	11.65	4348	44,785	12/17/2004	5/5/2014	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
170	050A	11.77	12.00	1241	44,785	12/17/2004	5/5/2014	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
171	050A	12.11	12.24	760	39,217	12/17/2004	5/5/2014	2021	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
172	050A	14.89	15.01	603	39,217	11/3/2008		2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
173	050A	16.21	16.35	703	25,040	4/28/2011		2021	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
174	050A	17.21	17.35	766	44,785	12/17/2004	11/5/2013	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
175	050A	17.70	18.62	5478	44,785	12/17/2004	5/5/2014	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
176	050A	32.58	32.90	1750	33,522	12/17/2004	5/5/2014	2017	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
177	050A	37.94	38.44	2864	39,919	12/17/2004	5/5/2014	2019	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
178	050A	44.00	45.05	5764	44,785	12/17/2004	5/5/2014	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
179	050A-1	0.00	1.62	7993	54,489	12/17/2004	5/5/2014	2020	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
180	057A	14.85	15.13	1920	32,385	12/17/2004	12/6/2011	2018	2018	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
181	057A	13.27	13.91	3017	46,566	12/17/2004	12/6/2011	2018	2018	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
182	057A	15.33	16.70	7236	39,170	12/17/2004	12/6/2011	2018	2018	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
183	057A	9.13	10.41	6380	42,935	2/16/2006	7/27/2012	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
184	057A	9.03	9.13	414	42,935	6/24/2009	7/27/2012	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
185	057A-M15	0.00	0.17	893	31,158	3/6/2008	7/27/2012	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
186	057A-M15	0.28	0.40	550	31,158	12/17/2004	7/27/2012	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
187	057A-MC	0.19	0.42	1369	38,449	12/17/2004	7/27/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
188	057A-MC79D	0.00	0.15	879	39,276	4/4/2012		2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
189	057A-MC79S	0.00	0.16	852	34,687	4/4/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
190	057A-MD1	0.62	1.04	2167	43,910	12/17/2004	8/22/2015	2017	2017	ILI	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
191	057A-MD1	0.00	0.44	2233	43,910	12/17/2004	7/27/2012	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
192	057A-MD2	0.00	0.15	919	40,260	12/17/2004	7/27/2012	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
193	057A-MD3	0.02	0.30	1431	38,516	12/17/2004	7/27/2012	2019	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
194	057A-MT	0.00	0.58	2981	45,275	12/17/2004	7/27/2012	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
195	057B	13.24	16.68	20500	52,335	12/17/2004	6/17/2013	2020	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
196	057B	8.63	10.44	10406	47,898	12/17/2004	6/17/2013	2020	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
197	057B	0.00	0.34	1409	52,335	12/17/2004	6/17/2013	2020	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
198	057C	0.00	0.99	5134	41,138	12/23/2008	7/17/2014	2021	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
200	0600-01	0.00	0.09	437	35,935	12/17/2004	5/19/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
202	0604-01	3.72	3.95	1187	45,872	12/17/2004	4/21/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
203	0604-01	4.38	5.19	4308	47,051	12/17/2004	4/21/2014	2021	2019	ILI, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
204	0604-01	2.69	3.59	4708	43,551	12/17/2004	4/21/2014	2021	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
205	0604-03	0.29	0.86	3025	47,041	12/17/2004	4/21/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
207	0604-04	1.61	1.97	1999	39,991	12/17/2004	4/21/2014	2021	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
208	0604-04	2.48	3.17	4026	43,911	12/17/2004	4/21/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
209	0604-06	0.13	1.37	6603	39,533	12/17/2004	4/21/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
210	0604-06	1.49	1.81	1765	41,256	12/17/2004	4/21/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
211	0604-06	2.16	2.84	3787	44,419	12/17/2004	4/21/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
212	0604-07	2.37	2.44	357	40,277	7/31/2012	4/21/2014	2021	2020	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
213	0604-07	3.28	3.40	617	46,780	12/17/2004	4/21/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
214	0604-07	6.13	6.41	1452	43,132	9/18/2009	4/21/2014	2021	2020	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
215	0604-16	0.00	0.18	1002	43,464	12/17/2004	9/29/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
216	0607-01	3.54	5.08	8128	43,878	12/17/2004	8/19/2014	2021	2018	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
217	0607-01	5.24	5.42	964	39,397	10/30/2007	8/19/2014	2021	2018	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
218	0607-01	5.54	5.98	2395	41,174	12/17/2004	8/19/2014	2021	2018	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
220	0607-01	6.09	6.22	676	41,174	12/17/2004	8/19/2014	2021	2018	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
221	0607-01	2.10	3.43	5892	43,878	12/17/2004	8/19/2014	2021	2018	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
222	0607-01	1.75	1.98	1213	43,878	12/17/2004	8/19/2014	2021	2018	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
224	0608-01	0.33	2.04	8859	48,007	12/17/2004	8/19/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
226	0608-01	2.98	3.19	1159	45,865	12/17/2004	8/19/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
227	0608-01	2.19	2.86	3939	46,996	12/17/2004	8/19/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
228	0608-01	3.33	4.65	6916	48,092	12/17/2004	8/19/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
230	0608-01	5.08	5.29	1117	45,136	12/17/2004	8/19/2014	2021	2019	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
231	0608-01	5.39	5.61	1162	48,092	12/17/2004	8/19/2014	2021	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
232	0608-04	0.04	0.10	322	45,117	3/7/2006	8/19/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
233	0609-02	0.00	0.65	3384	58,085	12/17/2004	8/19/2014	2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
234	0609-03	0.00	0.43	2215	53,389	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
235	0611-01	0.00	1.09	5728	52,166	12/17/2004	8/19/2014	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
236	0611-02	0.00	1.65	8606	51,645	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
238	0611-05	0.06	0.17	658	51,839	12/17/2004	8/19/2014	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
239	0611-06	0.00	0.13	649	46,536	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
240	0611-07	0.12	0.49	2095	50,601	12/17/2004	8/19/2014	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
241	0611-08	0.00	0.06	329	47,867	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
242	0611-09	0.00	0.07	528	52,472	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
243	0611-29	0.00	0.00	17	43,261	9/30/2010	8/19/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
245	0613-01	0.02	3.53	17926	66,577	12/17/2004	8/28/2012	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
247	0613-01	3.97	4.38	2183	66,577	12/17/2004	8/28/2012	2019	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
248	0613-01	5.01	5.29	1466	66,577	12/17/2004	9/17/2009	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
249	0613-02	0.00	0.27	1463	42,172	12/17/2004	9/17/2009	2016	2016	ECDA	Yes	No	No	Medium	No	No	Yes	Yes	Medium	High
250	0615-02	0.13	0.16	141	33,935	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
251	0617-01	0.00	1.11	6117	45,709	12/17/2004	4/23/2015	2022	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
252	0617-03	0.00	1.69	8860	45,454	12/17/2004	11/12/2013	2020	2016	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
253	0617-06	19.88	20.46	3360	57,192	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
254	0617-06	20.58	20.67	537	40,264	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
255	0617-06	7.17	7.31	701	45,475	9/30/2010		2020	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	No	Medium	High
256	0617-06	6.88	7.03	759	45,475	3/7/2006	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	No	Medium	High
257	0617-06	14.75	16.52	9556	46,848	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
258	0617-06	7.56	8.21	3385	57,192	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
260	0617-06	0.00	6.33	27319	57,192	12/17/2004	4/23/2015	2016	2016	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
261	0617-06	13.35	14.55	6440	57,192	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
262	0617-06	8.35	9.93	8520	49,624	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
263	0617-06	11.01	13.14	11163	49,808	12/17/2004	4/16/2010	2017	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
264	0617-06	10.68	10.79	576	57,192	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
265	0617-07	0.00	1.11	5891	37,353	7/16/2007	4/16/2010	2017	2016	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
266	0617-08	0.01	1.07	5666	44,232	12/17/2004	4/16/2010	2017	2016	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
267	0617-08	1.20	3.29	10909	44,232	12/17/2004	4/16/2010	2017	2016	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
268	0617-09	0.00	0.02	110	46,662	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
269	0617-10	0.00	0.80	4206	33,498	10/23/2007	10/9/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
270	0617-10	2.37	2.56	1051	35,607	10/23/2007	10/9/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
271	0617-10	2.79	3.12	1783	35,607	10/23/2007	10/9/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
272	0617-10	4.20	4.52	1725	32,826	8/23/2008	10/9/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
273	0617-10	5.38	5.79	2139	35,607	8/23/2008	10/9/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
274	0617-15	0.11	0.24	684	38,964	12/17/2004	4/23/2015	2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
275	0618-03	0.00	0.22	1128	50,491	3/7/2006	9/1/2012	2019	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
276	0618-03	0.34	0.50	869	50,491	10/30/2007	9/1/2012	2019	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
277	0618-03	1.65	1.79	678	50,491	12/17/2004	4/23/2015	2022	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
278	0618-03	1.93	2.71	4061	50,491	12/17/2004	4/23/2015	2022	2018	ILI	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	High
279	0618-03	1.11	1.47	1926	50,491	12/17/2004	4/23/2015	2022	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
280	0619-04	0.38	0.41	161	38,093	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
281	0619-04	0.00	0.18	938	38,093	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
282	0619-05	1.62	1.93	1312	53,619	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
283	0619-05	1.18	1.29	630	53,619	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
284	0619-05	0.18	0.92	4614	46,539	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
286	0619-05	0.01	0.05	64	53,619	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
288	0630-01	10.87	10.94	380	42,436	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
289	0630-01	3.41	3.68	1522	49,032	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
290	0630-01	3.00	3.07	427	49,032	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
291	0630-01	1.37	2.79	7266	49,032	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
292	0638-02	1.59	1.80	962	53,013	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
293	0639-01	0.00	2.78	14868	45,789	12/17/2004	8/19/2014	2021	2017	ILI, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
294	0639-02	0.00	0.11	580	39,755	12/17/2004	9/17/2009	2016	2016	ECDA	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
295	0647-01	3.02	3.11	455	40,377	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
296	0647-01	2.47	2.55	408	40,377	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
297	0650-01	0.02	0.91	5784	36,174	12/17/2004	5/19/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
298	0651-01	0.00	0.57	3054	44,911	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
300	0651-01	0.80	1.39	3123	44,911	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
301	0651-01	1.64	1.87	1349	48,762	12/17/2004	10/9/2012	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
302	0804-01	0.48	1.00	2771	51,911	12/17/2004	12/6/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
303	0804-01	0.00	0.48	2565	54,953	11/23/2010	12/6/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
304	0805-01	1.04	2.24	5769	40,226	12/17/2004	12/16/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
306	0805-01	0.00	0.82	4287	38,084	12/17/2004	12/16/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
307	0807-01	0.00	0.06	243	38,926	3/8/2011	12/4/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
308	0807-01	0.33	0.50	970	51,202	3/8/2011	12/4/2012	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
309	0813-01	0.92	1.19	1530	49,235	12/17/2004	6/15/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
310	0813-01	0.00	0.42	2347	49,235	12/17/2004	8/7/2012	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
311	0813-02	0.00	0.34	1834	40,507	12/17/2004	6/15/2012	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
312	0813-07	0.00	0.22	1251	48,064	12/17/2004	6/15/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
313	0814-05	0.00	0.28	1464	47,593	12/17/2004	6/15/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
318	0817-01	0.00	0.25	1322	51,027	12/17/2004	7/17/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
319	0821-01	0.39	1.20	4133	44,626	12/17/2004	7/17/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
320	0821-01	0.00	0.27	1482	46,239	4/13/2006	7/17/2014	2021	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
321	0824-01	0.02	0.54	3087	40,453	12/17/2004	12/2/2009	2016	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
322	0833-01	3.40	3.61	986	44,293	11/19/2010	6/15/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
323	0833-01	4.32	4.88	2979	44,293	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
326	0833-01	5.04	5.90	4597	44,293	12/17/2004	10/15/2013	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
327	0833-01	6.02	6.14	688	36,122	4/13/2006	12/2/2009	2016	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
328	0833-01	6.32	6.50	1017	44,293	4/13/2006	12/2/2009	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
329	0833-04	0.00	0.18	1024	42,557	4/12/2006	12/2/2009	2016	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
330	0834-01	3.57	3.66	417	39,877	11/22/2010	6/15/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	Low
331	0837-01	0.00	0.21	1087	41,920	12/17/2004	7/17/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
332	0837-01	0.46	0.58	686	39,871	12/17/2004	7/17/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
333	0837-01	0.69	1.01	1612	39,871	12/17/2004	7/17/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
334	0837-01	1.23	1.55	1672	41,344	12/17/2004	7/17/2014	2016	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
335	100	138.46	150.14	63728	52,118	12/17/2004	7/8/2010	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
336	1004-01	4.67	4.74	387	43,109	8/19/2009		2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
337	1004-01	2.48	2.68	994	43,109	12/17/2004	9/3/2015	2022	2022	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
339	101	4.31	7.22	16184	46,976	12/17/2004	2/28/2014	2021	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
340	101	0.63	3.63	15740	58,007	12/17/2004	2/28/2014	2021	2019	ILI, SCCDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
341	101	0.00	0.36	1803	45,434	12/17/2004	2/28/2014	2021	2019	ILI, SCCDA	Yes	Yes	No	Low	None	Unstable	Yes	Yes	Medium	High
342	101	8.62	11.61	16354	58,007	12/17/2004	2/28/2014	2021	2019	ILI, SCCDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
348	101	32.78	33.51	4330	58,007	12/17/2004	11/3/2011	2018	2018	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
349	101	33.84	34.28	4229	55,560	12/17/2004	12/1/2015	2022	2022	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
351	101	34.30	37.55	16098	55,560	12/17/2004	12/1/2015	2019	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
352	101	38.30	38.73	3503	53,707	12/17/2004	12/1/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
353	101	38.85	44.61	33886	55,560	12/17/2004	12/1/2015	2022	2022	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
357	1023-01	2.23	2.83	3344	43,115	12/17/2004	12/8/2012	2019	2018	ILI, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
358	1023-01	0.85	1.94	5807	43,115	12/17/2004	12/8/2012	2019	2018	ILI	Yes	No	No	Medium	No	Unstable	Yes	No	Medium	High
360	1023-01	0.00	0.70	3823	42,122	12/17/2004	12/8/2012	2019	2018	ILI, Hydrotest	Yes	No	No	High	No	Unstable	Yes	No	Medium	High
362	1024-01	0.15	0.29	738	11,040	12/17/2004	9/3/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
363	1027-01	4.80	5.60	4282	47,853	12/17/2004	11/5/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
364	1027-01	5.77	6.06	1598	37,009	12/17/2004	11/5/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
365	103	26.40	26.90	2744	53,914	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
366	103	26.99	27.76	4355	53,914	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
367	103	25.07	25.91	4532	53,914	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
368	103	23.38	24.90	8338	53,914	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
369	103	22.93	23.26	1839	46,339	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
370	103	20.59	22.82	11778	42,297	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
375	103	15.64	15.86	1203	10,641	10/22/2008	9/30/2011	2018	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
376	103	4.79	4.94	794	21,594	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
377	103	3.35	3.82	2464	47,471	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
378	1035-05	0.00	0.24	1335	39,035	12/17/2004	10/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
379	1035-05	0.34	0.65	1651	37,900	12/17/2004	10/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
380	1035-05	1.13	1.77	3414	39,035	12/17/2004	10/12/2013	2018	2017	ECDA	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
381	1035-05	2.17	2.31	758	39,035	11/4/2010		2020	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
382	1035-05	3.10	3.22	677	39,035	12/17/2004	10/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
383	1035-05	3.64	3.74	557	39,035	12/17/2004	10/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
384	1035-05	4.12	4.30	965	39,035	12/21/2011		2021	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
385	1035-05	4.48	4.78	1601	39,035	12/21/2011		2021	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
386	1035-05	4.90	4.98	455	39,035	12/21/2011		2021	2019	ECDA	Yes	No	No	Low	No	Stable	Yes	No	Medium	High
387	1035-05	5.99	6.12	657	37,995	9/18/2012		2022	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
388	105A	38.44	52.04	70673	50,626	12/17/2004	12/14/2012	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
390	105B	6.22	11.75	29570	52,716	12/17/2004	5/17/2014	2018	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
391	105B	4.26	6.04	9514	51,346	12/17/2004	5/17/2014	2021	2016	ILI, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
392	105B	2.80	3.03	1206	52,716	12/17/2004	5/17/2014	2021	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
393	105B	0.02	0.50	2654	45,638	12/17/2004	5/17/2014	2021	2016	ILI, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
394	105B-2	0.00	0.65	3536	43,394	12/17/2004	12/14/2012	2019	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
395	105C	0.00	2.03	10403	51,099	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
396	105N	7.76	12.45	28203	62,569	12/17/2004	3/14/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
398	105N	12.66	13.31	2200	37,954	12/17/2004	3/14/2013	2020	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low

Assessment Plan
Pipeline

HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
399	105N	13.49	22.86	50100	62,569	12/17/2004	3/14/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
400	105N	22.86	36.34	74123	62,569	12/17/2004	12/14/2012	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
401	105N-2	0.00	1.29	6830	41,907	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	No	Yes	Yes	Medium	High
402	105N-3	0.00	0.23	1220	47,704	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
403	105N-5	36.39	36.47	472	55,262	7/21/2008	12/14/2012	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
404	107	36.04	38.12	11024	43,640	12/17/2004	8/31/2010	2017	2017	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
405	107	31.22	35.84	24970	50,179	12/17/2004	6/23/2015	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
406	107	26.02	31.22	35363	47,346	12/17/2004	6/23/2015	2021	2021	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
408	107	24.07	24.46	2108	47,346	1/3/2006	6/23/2015	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
409	107	23.03	23.58	1713	47,346	12/17/2004	6/23/2015	2022	2021	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
410	108	6.85	7.24	3087	44,996	12/17/2004	8/20/2012	2019	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
411	108	12.41	12.89	2617	49,111	10/21/2011	8/20/2012	2019	2019	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
412	108	13.63	13.81	880	27,382	8/21/2012		2022	2019	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
413	108	15.06	15.72	3340	42,215	12/17/2004	8/20/2012	2019	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
415	108	15.89	17.12	6464	42,215	12/17/2004	8/20/2012	2019	2019	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
416	108	17.25	17.93	3535	42,215	12/17/2004	8/20/2012	2019	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
417	108	17.93	19.51	8519	35,270	12/17/2004	8/20/2012	2019	2019	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
418	108	21.04	21.90	4610	39,397	12/17/2004	8/20/2012	2019	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
419	108	21.90	22.50	3163	63,187	10/21/2011	8/20/2012	2019	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
420	108	22.75	24.19	7472	44,695	12/17/2004	8/20/2012	2019	2019	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
421	108	24.34	34.85	55271	63,187	12/17/2004	8/20/2012	2019	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
422	108	35.37	35.69	1532	40,323	12/17/2004	8/20/2012	2019	2019	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
424	108	42.17	42.72	2885	39,925	12/17/2004	8/16/2014	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
425	108	48.50	49.03	3000	63,187	12/17/2004	8/16/2014	2021	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
426	108	59.30	60.93	8716	46,903	9/22/2009		2019	2016	ILI	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
430	108	61.59	63.45	10497	46,903	11/26/2012		2022	2016	ILI	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
431	108	66.13	74.93	51496	63,187	12/17/2004	8/19/2014	2021	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
435	109	3.11	7.03	22834	57,549	12/17/2004	1/10/2016	2018	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
438	109	7.45	14.77	41627	57,549	12/17/2004	1/10/2016	2019	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
441	109	0.65	2.93	13306	57,549	12/17/2004	9/23/2014	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
442	109	16.98	19.00	11617	49,552	12/17/2004	1/10/2016	2022	2016	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
443	109	0.00	0.29	1369	57,549	12/17/2004	9/23/2014	2019	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
445	109	21.51	23.30	9524	57,549	12/17/2004	1/10/2016	2022	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
447	109	27.94	28.55	4115	52,523	12/17/2004	9/23/2014	2021	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
448	109	30.47	30.89	2318	57,549	2/13/2012		2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
449	109	31.66	31.95	1591	51,266	12/19/2008	12/15/2010	2017	2016	ILI	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
451	109	33.38	34.35	5250	34,511	12/17/2004	7/16/2009	2016	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
452	109	36.43	38.32	12082	51,419	12/17/2004	9/26/2014	2016	2016	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
454	109	38.44	39.48	7316	51,419	12/17/2004	9/26/2014	2016	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
455	109	40.01	44.25	28151	57,549	12/17/2004	9/23/2014	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
456	109	44.43	45.00	3221	48,794	12/17/2004	7/16/2009	2016	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
457	109	45.10	52.71	42381	52,032	12/17/2004	7/16/2009	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
461	114	12.05	12.15	671	47,841	12/30/2015		2025	2025	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
462	111A-1	6.82	7.18	1868	55,019	12/17/2004	7/27/2012	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
463	114	33.23	34.07	4676	48,210	12/17/2004	11/17/2015	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
464	114	28.87	28.97	415	30,489	12/17/2004	10/31/2013	2017	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
465	114	12.86	16.59	20828	47,841	12/17/2004	5/28/2014	2021	2021	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
466	114	12.17	12.71	3366	47,841	12/17/2004	5/28/2014	2021	2021	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
467	114	11.78	12.05	1762	47,841	9/15/2009	5/28/2014	2021	2021	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
473	116	12.66	12.89	2193	50,786	12/17/2004	12/17/2010	2017	2017	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
474	116	8.61	12.56	22167	50,786	12/17/2004	12/17/2010	2017	2017	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
476	118-1	0.00	0.03	139	51,566	12/17/2004	7/21/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
490	118A	12.58	13.20	3573	55,815	12/17/2004	8/1/2014	2021	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
491	118A	14.96	15.18	1820	43,317	12/17/2004	8/1/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
492	118A	16.27	16.45	975	52,402	12/17/2004	8/1/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
493	118A	17.43	17.63	989	30,461	2/2/2006	8/1/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
494	118A	21.00	21.17	887	31,882	12/17/2004	8/1/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
495	118A	22.76	23.18	2475	43,293	12/17/2004	8/1/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
496	118A	23.34	23.46	591	43,293	9/20/2009	8/1/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
497	118A	24.11	24.74	3905	42,920	12/17/2004	8/1/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
498	118A	24.89	26.41	8243	55,815	12/17/2004	8/1/2014	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
499	118A	28.96	29.34	1937	48,378	12/17/2004	8/1/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
500	118A	29.57	29.77	1469	48,378	12/17/2004	8/1/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
501	118A	40.70	41.03	2409	49,031	12/17/2004	8/1/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
502	118A	41.84	42.28	1151	39,233	12/17/2004	8/1/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
503	118A	56.03	56.27	1259	51,368	12/17/2004	7/21/2014	2020	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
504	118A	57.54	60.49	15839	56,401	12/17/2004	7/21/2014	2020	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
507	118A	60.75	60.95	1367	56,401	12/17/2004	7/21/2014	2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
508	118A	65.14	67.07	10551	56,401	12/17/2004	7/21/2014	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
509	118A	67.35	67.91	2748	56,401	12/17/2004	7/21/2014	2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
511	118A	72.64	73.90	6360	56,401	12/17/2004	7/21/2014	2021	2019	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
512	118A	74.13	74.47	1690	40,761	12/17/2004	7/21/2014	2021	2019	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
513	118A	74.90	75.14	1228	40,547	11/10/2010	7/21/2014	2021	2019	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
514	118A	75.21	75.38	882	29,618	12/17/2004	7/21/2014	2021	2019	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
515	118A	77.99	78.14	783	40,696	9/25/2007	7/21/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
516	118A	83.55	83.82	1442	45,833	12/17/2004	7/21/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
518	118A-1	1.27	1.48	1040	45,185	11/22/2008	7/21/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
519	118A-1	0.12	0.21	490	38,088	11/22/2008	7/21/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
520	118A-2	0.00	0.23	1270	35,390	4/6/2009	7/21/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
521	118B	0.00	0.57	2908	49,031	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
522	118B	2.26	2.52	1276	37,320	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
523	118B	3.58	3.78	1113	36,603	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
524	118B	4.75	4.98	1156	49,031	2/2/2006	10/27/2012	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
526	118B	9.65	10.00	1974	41,116	2/2/2006	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
527	118B	10.28	10.58	1783	45,512	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
528	118B	10.89	12.07	6414	45,512	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
529	118B	12.46	13.00	3061	38,815	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
530	118B	13.49	14.11	3271	45,512	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
531	118B	15.71	16.38	3789	36,854	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
532	118B	17.02	17.47	2365	45,512	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
533	118B	17.65	17.89	1248	45,512	12/17/2004	10/20/2012	2019	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
534	118B	23.93	24.07	735	41,852	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
535	118B	28.54	29.18	3691	45,512	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
536	118D	78.11	79.06	5540	31,202	9/25/2007	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	None	No	Yes	Yes	Medium	High
537	118F	0.00	0.19	1002	41,406	12/22/2008	7/21/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
538	118G	2.27	2.54	1394	36,746	4/11/2012	7/21/2014	2021	2019	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
539	118G	3.76	6.23	13066	38,404	5/20/2009	7/21/2014	2021	2019	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
540	119A	0.00	1.66	8359	53,837	12/17/2004	8/29/2012	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
541	119A	1.76	2.28	3538	53,837	3/4/2010	8/29/2012	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
542	119A	9.69	11.13	8041	53,837	12/17/2004	2/19/2016	2023	2023	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
543	119A	11.76	16.44	25571	53,837	12/17/2004	2/19/2016	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
545	119A-3	0.00	0.14	737	36,692	3/13/2007	10/9/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
546	119B	0.00	0.92	6269	49,831	12/17/2004	11/12/2013	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
547	119B	1.02	2.88	10090	49,831	12/17/2004	11/12/2013	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
548	119B	4.08	5.57	7790	49,831	12/17/2004	11/12/2013	2016	2016	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
549	119B	5.81	6.47	3447	48,210	12/17/2004	11/12/2013	2019	2016	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
550	119B	6.67	7.31	3458	49,831	12/17/2004	11/12/2013	2019	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
551	119B	7.41	8.22	4302	47,949	12/17/2004	11/12/2013	2016	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
552	119B	9.11	10.16	6409	49,831	12/17/2004	11/12/2013	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
553	119B-1	0.00	0.04	129	27,039	12/17/2004	1/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
554	119C	0.00	2.87	15038	55,878	12/17/2004	4/16/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
555	119C	3.47	3.64	982	55,878	12/17/2004	4/16/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
556	119C	3.91	6.30	12762	55,878	12/17/2004	4/16/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
557	119C	6.43	6.69	1308	55,878	12/17/2004	4/16/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
558	1202-01	0.00	0.53	2798	48,288	12/17/2004	5/12/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
559	1202-03	0.31	0.39	409	44,483	9/29/2011	5/12/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
560	1202-16	2.59	4.60	10681	58,613	12/17/2004	12/13/2010	2017	2016	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
561	1202-16	1.20	1.69	2553	58,613	12/17/2004	12/13/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
562	1202-16	0.49	1.04	2855	58,613	12/17/2004	12/13/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
563	1202-16	0.00	0.27	1263	58,613	12/17/2004	12/13/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
564	1202-17	2.23	2.58	1897	44,865	12/17/2004	5/12/2014	2021	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
565	1202-17	0.00	1.73	9031	53,660	12/17/2004	5/12/2014	2021	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
566	1202-21	0.01	0.10	536	48,904	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
567	1204-01	0.21	0.27	308	49,247	6/7/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
568	1205-02	1.07	1.21	735	44,349	12/17/2004	4/15/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
569	1209-01	0.92	1.04	629	18,315	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
570	1209-01	3.11	3.24	694	13,159	5/19/2010	12/13/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
571	1209-01	4.90	5.28	1991	45,852	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
572	1209-01	5.40	5.99	2918	42,044	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
573	1209-02	0.39	0.54	785	26,223	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
574	1209-05	2.41	2.52	602	49,793	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
575	1209-06	4.19	4.33	749	40,477	5/19/2010	12/13/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
576	1209-06	5.25	5.72	2343	49,983	5/19/2010	12/13/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
577	121	7.85	8.02	881	41,260	12/17/2004	10/24/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
578	121	3.43	3.55	659	31,312	8/23/2008		2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	No	Medium	High
579	121	9.33	9.89	3294	43,238	12/17/2004	10/24/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
580	121	8.58	8.99	2277	43,238	12/17/2004	10/24/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
581	121	10.06	11.94	10023	43,290	12/17/2004	10/24/2013	2020	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
585	1217-01	0.04	0.08	231	46,215	12/4/2008	8/1/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
586	1217-01	0.22	0.53	1636	38,529	9/29/2011	8/1/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
587	1217-01	2.39	2.73	1946	39,974	12/17/2004	8/1/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
589	1217-01	2.90	3.00	1212	46,215	12/17/2004	8/1/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
590	1220-01	0.26	0.87	3213	44,325	5/19/2010	12/13/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
591	123	0.00	0.38	2242	54,855	12/17/2004	11/12/2013	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
592	123	1.03	1.71	3597	32,432	12/17/2004	11/12/2013	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
593	123	3.48	4.01	2692	38,646	12/17/2004	10/24/2013	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
595	123	5.42	5.75	1817	40,764	12/17/2004	10/24/2013	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
596	123	6.45	6.89	2423	54,855	10/19/2007	10/24/2013	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
597	123	9.47	9.76	1537	49,959	5/23/2011	10/24/2013	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
598	123	11.06	11.82	4041	33,127	10/19/2007	10/24/2013	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
599	123	11.97	12.57	3261	35,490	3/22/2006	10/24/2013	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
600	123	12.79	13.59	4176	35,490	12/17/2004	2/24/2015	2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
601	124A	0.01	1.39	7123	42,890	12/17/2004	4/2/2010	2017	2016	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
602	124A	9.77	10.98	6344	57,429	12/17/2004	4/2/2010	2017	2016	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
603	124A	16.76	17.12	637	30,919	12/17/2004	4/2/2010	2017	2016	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
604	124A	18.08	18.25	2214	35,260	12/17/2004	4/2/2010	2017	2016	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
606	124A	20.01	21.79	9704	57,772	12/17/2004	4/2/2010	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
607	124A	23.14	23.56	2168	29,072	12/17/2004	4/2/2010	2017	2016	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
608	124A	23.86	26.03	13036	57,772	12/17/2004	4/2/2010	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
609	124B	0.26	0.54	1255	35,444	12/19/2008	8/13/2013	2020	2019	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
610	124B	0.82	0.89	455	32,913	12/19/2008		2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	No	Medium	High
611	124B	9.74	10.45	3289	58,316	12/17/2004	8/13/2013	2020	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
612	124B	16.68	16.81	670	30,497	12/17/2004	8/13/2013	2020	2019	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
613	124B	19.96	20.04	494	48,340	6/6/2011		2021	2019	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
614	124B	20.10	20.25	986	46,971	12/17/2004	8/13/2013	2020	2019	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	No	Medium	High
615	124B	20.99	21.09	490	41,423	6/21/2012		2020	2019	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	No	Medium	High
616	124B	21.20	21.61	2190	41,423	12/17/2004	8/13/2013	2020	2019	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	No	Medium	High
617	124B	22.19	22.56	1969	33,861	6/6/2011		2021	2019	ILI	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
618	124B	22.76	23.33	3873	58,316	12/17/2004	8/13/2013	2020	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
619	126A	4.95	5.48	2808	47,952	12/17/2004	6/20/2013	2020	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
620	126B	4.70	5.13	2482	40,688	7/22/2010		2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
621	128	15.15	15.21	325	36,351	12/17/2004	7/25/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	Low
622	128	14.56	14.68	604	28,447	12/17/2004	7/25/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	Low
628	1302-01	1.39	1.77	1948	49,304	12/17/2004	12/5/2012	2017	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
629	1302-01	0.45	0.85	2079	30,846	12/17/2004	12/5/2012	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
630	1302-01	0.00	0.11	285	24,952	12/17/2004	12/5/2012	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
631	1302-02	0.00	0.00	83	49,551	6/21/2010	8/7/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
632	1302-03	0.00	0.00	15	23,600	6/21/2010	8/7/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
634	1305-45	0.00	1.83	9691	41,349	3/16/2006	12/5/2012	2016	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
635	1306-01	4.00	4.14	781	44,281	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
636	131	55.35	57.51	10915	52,756	12/17/2004	9/12/2014	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	Low
637	131	46.87	50.54	19290	47,812	12/17/2004	8/15/2011	2018	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
638	131	43.44	43.84	2190	47,812	12/17/2004	8/15/2011	2018	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
639	131	42.12	42.60	2527	27,839	12/17/2004	8/15/2011	2018	2016	ILI, SCCDA	Yes	Yes	Yes	Medium	Yes	Unstable	Yes	Yes	Medium	High
640	131	35.69	36.23	3418	46,244	12/17/2004	8/15/2011	2018	2016	ILI, SCCDA	Yes	Yes	Yes	Low	Yes	Unstable	Yes	Yes	Medium	High
641	131	34.72	35.44	4671	47,812	12/17/2004	8/15/2011	2018	2016	ILI, SCCDA	Yes	Yes	Yes	Low	Yes	Unstable	Yes	Yes	Medium	High
642	131	32.29	33.88	10981	47,812	12/17/2004	8/15/2011	2018	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
643	131	8.03	8.59	2504	31,631	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	Low
644	1310-01	1.27	1.29	56	42,750	12/17/2004	10/30/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
645	132	0.12	15.82	85428	60,940	12/17/2004	10/29/2009	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
646	132	17.12	17.89	4433	48,938	12/17/2004	10/29/2009	2016	2016	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
648	132	18.07	20.05	11168	49,817	12/17/2004	12/20/2010	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
649	132	0.06	0.12	18	41,211	12/17/2004	12/20/2010	2016	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Low	Low
651	132	22.51	23.62	5702	60,940	12/17/2004	10/29/2009	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
652	132	23.78	24.24	2251	30,301	12/17/2004	10/29/2009	2016	2016	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
653	132	26.76	27.00	1617	60,940	10/5/2011		2021	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
654	132	29.07	30.35	6617	50,070	12/17/2004	10/8/2013	2016	2016	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
655	132	30.58	31.92	6649	52,156	12/17/2004	12/4/2012	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
656	132	31.92	32.09	882	60,940	2/1/2012	10/3/2014	2021	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
657	132	32.74	33.15	2101	60,940	12/20/2008	10/3/2014	2021	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
658	132	33.39	33.97	3041	60,940	12/17/2004	10/3/2014	2021	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
659	132	34.53	35.11	3154	33,850	12/17/2004	10/3/2014	2021	2019	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
660	132	37.71	38.40	3905	60,940	12/17/2004	10/3/2014	2021	2019	ILI, SCCDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
672	132	40.05	43.75	20595	53,801	12/17/2004	9/26/2014	2021	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
674	132	45.08	51.53	36175	53,801	12/17/2004	9/26/2014	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
675	132A	0.00	1.31	7847	48,480	12/17/2004	9/18/2014	2021	2016	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
676	132B	0.00	0.37	1965	52,255	12/17/2004	10/8/2013	2020	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
677	134A	25.31	25.55	1226	31,417	12/17/2004	5/12/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
678	134A	32.75	33.34	3381	40,238	12/17/2004	4/29/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
679	134A	33.62	34.34	4688	45,897	12/17/2004	4/29/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
680	136	12.03	12.52	2518	45,803	12/17/2004	9/3/2015	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
681	136	12.80	12.90	519	45,803	12/17/2004	9/3/2015	2022	2022	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
682	137B	1.95	2.16	1108	53,796	12/17/2004	8/21/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
683	137B	3.39	3.61	678	53,796	12/17/2004	8/21/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
684	137B	4.42	4.62	1329	53,796	12/17/2004	8/21/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
685	137B	6.36	6.50	762	51,864	12/17/2004	8/21/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
686	137B	7.05	7.37	1561	53,796	12/17/2004	8/21/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
689	138	38.87	39.21	1802	28,468	12/4/2008		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
690	138	43.08	43.43	1863	33,428	12/17/2004	12/13/2010	2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
691	138	45.56	49.43	21335	45,597	12/17/2004	12/13/2010	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
693	138	43.43	45.08	9722	45,597	12/17/2004	12/13/2010	2023	2022	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
696	138C	43.38	44.57	6168	56,167	12/17/2004	12/13/2010	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
697	138C	44.90	49.48	23739	56,167	12/17/2004	12/13/2010	2017	2016	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
699	138C	49.48	50.01	2840	56,167	12/17/2004	12/13/2010	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
700	138D	45.10	46.20	5786	45,073	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
701	1401-01	0.00	0.27	1482	52,895	12/17/2004	10/8/2013	2020	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
702	STUB14011	0.00	0.00	7	48,698	12/17/2004	9/26/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
706	142N	5.53	6.04	2644	37,280	10/8/2007	5/31/2012	2019	2018	ECDA	Yes	No	No	Low	Yes	Stable	Yes	No	Medium	Low
707	142N	6.23	6.77	2932	49,744	12/17/2004	12/12/2013	2020	2018	ECDA, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
708	142N	7.28	9.93	15542	49,744	12/17/2004	12/12/2013	2018	2017	ILI, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
709	142N	10.46	12.10	9349	49,744	12/17/2004	12/12/2013	2020	2017	ILI, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
710	142N	12.29	14.05	10604	49,744	12/17/2004	12/12/2013	2020	2017	ILI, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
712	142N-3	0.00	0.08	417	34,612	11/14/2011		2021	2021	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
713	142S	0.02	4.41	22565	52,127	12/17/2004	9/14/2011	2018	2018	ILI, SCCDA, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
715	142S	8.98	11.48	13802	52,127	12/17/2004	12/12/2013	2019	2018	ILI, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
720	142S-1	0.00	0.22	1161	40,318	12/17/2004	12/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
721	147	0.82	1.54	4059	54,454	12/17/2004	10/29/2009	2016	2016	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
722	147	1.79	3.57	9402	54,454	12/17/2004	10/23/2011	2016	2016	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
723	148	14.94	15.15	1087	37,269	12/17/2004	11/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
724	148	15.34	15.45	595	37,269	12/17/2004	11/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
725	148	16.29	16.40	587	37,269	12/17/2004	11/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
726	148	16.50	17.35	4473	40,035	12/17/2004	11/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
727	148	17.56	17.63	369	40,908	12/17/2004	11/5/2012	2017	2016	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
728	GCUST5748	0.00	0.00	1	42,006	4/11/2012	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
729	150	17.40	18.08	3816	54,237	12/17/2004	10/14/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
732	1501-01	0.59	1.03	2504	49,859	12/17/2004	7/11/2015	2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
733	1501-02	4.08	4.25	911	40,752	8/23/2008	4/18/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
734	1501-02	3.38	3.52	814	34,936	12/17/2004	7/11/2015	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
735	1501-02	0.55	1.09	2853	47,061	12/17/2004	7/11/2015	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
739	1509-01	0.67	1.50	4816	50,438	6/26/2006	10/23/2013	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
741	1509-01	0.00	0.57	2632	50,438	10/9/2007	5/18/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
742	1509-04	0.00	1.32	2942	48,604	12/17/2004	4/20/2015	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High
743	1509-04	1.59	2.27	3745	48,604	12/17/2004	10/23/2013	2020	2018	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High
744	1509-05	2.88	3.06	958	40,751	12/17/2004	5/31/2012	2019	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
745	1509-05	3.85	3.99	742	42,199	12/17/2004	5/31/2012	2019	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
747	1509-05	4.93	6.52	8402	42,475	12/17/2004	5/31/2012	2019	2019	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
748	1511-01	3.39	3.53	746	43,687	12/17/2004	7/11/2015	2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
749	1511-01	0.95	1.17	1146	45,683	12/17/2004	4/18/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
750	1518-01	0.57	1.39	4632	39,363	10/4/2005	2/24/2015	2022	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
751	1518-02	0.00	1.78	9427	33,398	10/10/2007	9/1/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
752	1518-03	1.47	1.82	1867	31,901	5/23/2011		2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
753	1518-03	3.81	3.98	926	8,529	9/22/2009	9/1/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
754	1519-01	0.78	1.51	3789	45,890	12/17/2004	11/23/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
755	1519-01	1.65	2.54	4818	45,890	12/17/2004	11/23/2013	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
760	1519-01	0.43	0.57	723	42,972	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
762	1519-04	0.06	1.00	4898	37,088	12/17/2004	11/23/2013	2019	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
763	1521-01	0.56	0.68	811	21,915	7/31/2009	3/31/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
764	1521-01	1.23	1.36	674	37,748	12/3/2008	3/31/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
765	1521-01	1.57	1.88	1610	40,002	12/17/2004	3/31/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
766	1522-01	0.25	0.38	729	39,924	7/13/2009	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
767	1523-01	0.00	0.24	1074	36,285	5/23/2011		2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
768	1523-01	2.26	2.58	1561	28,516	2/18/2007	9/1/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
769	153	0.00	14.21	75144	67,218	12/17/2004	7/14/2014	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
770	153	14.32	17.63	18345	67,218	12/17/2004	7/14/2014	2021	2021	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
771	153	17.63	21.84	22616	67,218	12/17/2004	10/12/2012	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
772	153	22.21	27.76	29843	67,218	12/17/2004	11/30/2015	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
774	153-2	0.00	0.06	850	46,312	12/17/2004	11/30/2015	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
775	153-6	0.01	0.06	304	48,193	12/17/2004	10/6/2012	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
776	1601-09	0.78	0.86	414	43,819	11/10/2010	8/11/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
777	1601-09	0.00	0.47	2800	43,472	12/17/2004	8/11/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
778	1602-01	0.00	0.14	739	41,288	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
780	1602-01	0.31	0.70	2033	41,288	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
781	1603-01	0.67	1.25	3268	47,574	12/17/2004	8/8/2014	2021	2018	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
783	1606-01	0.09	0.13	359	49,289	8/13/2009		2018	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
785	1607-01	0.00	1.63	8638	52,980	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
789	1608-01	0.00	1.31	7004	47,704	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High
791	1609-01	0.00	0.65	3455	41,882	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
792	1609-01	0.91	1.39	2451	41,882	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
793	1609-01	1.57	1.76	1074	41,882	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
794	1609-01	1.91	2.02	655	41,882	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
795	1609-01	2.25	2.97	3855	41,882	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
796	1611-01	0.00	1.11	5851	46,282	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	No	Medium	High
797	1611-01	0.80	0.80	6	40,317	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
799	1611-03	3.83	4.30	2453	45,204	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
800	1611-03	3.00	3.32	1469	45,204	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
801	1611-03	1.28	2.43	6426	44,626	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
802	1611-03	0.00	0.97	3882	45,204	12/17/2004	8/16/2014	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
805	1611-04	0.00	0.69	3542	40,450	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	No	Medium	High
806	1613-01	0.91	1.06	788	42,112	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
807	STUB14521	0.00	0.00	1	24,895	12/17/2004	12/19/2009	2016	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
808	1613-05	1.15	1.25	501	37,072	12/18/2008		2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
809	1614-01	0.01	0.25	1153	43,080	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	No	Medium	High
810	1614-01	2.43	2.56	481	38,656	10/21/2011	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	No	Medium	High
811	1614-01	3.60	3.95	1941	41,614	3/15/2006	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
812	1614-02	0.07	0.29	1119	47,973	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
813	1614-02	2.46	2.63	728	42,791	10/21/2011		2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
814	1614-04	0.00	0.47	2678	47,348	1/3/2006	8/24/2013	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
816	1614-08	0.00	0.64	3488	47,601	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
817	1614-08	0.76	0.95	988	47,085	10/21/2011	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
819	1614-13	1.71	2.24	2674	44,035	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
820	1614-13	0.97	1.22	1307	44,035	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
821	1614-13	0.75	0.86	585	45,275	3/15/2006	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
822	1614-13	0.16	0.34	1004	57,161	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
823	1615-01	16.81	19.06	12031	52,721	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
824	1615-01	16.42	16.68	1436	52,721	12/17/2004	8/8/2014	2019	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
825	1615-01	13.41	13.56	759	30,365	9/20/2008	8/8/2014	2021	2018	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
826	1615-01	14.80	15.97	6240	52,721	12/17/2004	8/8/2014	2021	2018	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
827	1615-01	11.93	12.53	3296	52,721	12/17/2004	8/8/2014	2021	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
828	1615-01	8.96	10.88	10101	52,721	12/17/2004	8/8/2014	2021	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
829	1615-01	5.10	6.46	6103	52,721	12/17/2004	8/8/2014	2021	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
830	1615-01	4.67	4.90	1021	47,362	12/17/2004	8/8/2014	2021	2018	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
832	1615-04	1.11	1.32	1107	39,279	12/18/2008	8/8/2014	2021	2018	ILI	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
834	1615-04	4.47	4.88	2154	44,713	12/17/2004	8/8/2014	2021	2018	ILI	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
835	1615-04	5.03	6.89	9882	47,464	12/17/2004	8/8/2014	2021	2018	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
836	1615-07	0.00	0.25	1316	51,528	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
837	1617-01	0.00	0.31	1640	43,603	12/17/2004	8/11/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
838	1617-01	0.58	1.05	3772	43,603	12/17/2004	8/11/2014	2021	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
839	1622-01	0.96	1.00	142	37,351	12/17/2004	8/19/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
840	162A	1.53	1.83	1639	36,303	12/17/2004	8/11/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
841	162A	3.80	4.47	3805	51,921	12/17/2004	8/11/2014	2019	2019	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
842	162A	4.64	5.48	4576	44,034	12/17/2004	8/11/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
843	162A	5.72	7.23	8579	51,921	12/17/2004	8/11/2014	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
845	162B	1.67	1.67	2	34,928	12/17/2004	8/11/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
846	1641-01	0.01	0.44	2321	45,164	12/17/2004	6/15/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
847	167	32.69	34.63	4384	48,106	8/23/2008	5/1/2012	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
848	167	31.52	31.85	2055	44,678	12/17/2004	5/1/2012	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
850	169A	1.48	1.60	545	31,746	12/31/2013		2023	2022	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
851	172A	78.71	79.14	1973	53,773	12/17/2004	8/28/2012	2019	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
852	172A	74.75	78.55	20665	48,165	12/17/2004	8/28/2012	2017	2017	ILI	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
853	172A	66.54	67.50	4972	31,003	12/17/2004	9/28/2013	2020	2020	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
854	172A	58.64	62.19	19862	53,773	12/17/2004	9/28/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
856	172A	48.97	49.76	3435	53,773	12/17/2004	9/28/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
857	172A	35.51	35.85	2271	14,037	12/2/2008	8/28/2012	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
858	172A-1	78.53	78.55	121	42,201	12/17/2004	8/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
859	172C	0.00	0.25	1217	46,391	12/17/2004	11/14/2015	2020	2020	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
860	172D	3.08	3.18	532	35,883	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
861	173	0.00	0.81	4859	50,063	12/17/2004	7/14/2012	2019	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
863	173	1.43	2.12	3957	50,063	12/19/2008		2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
864	173	1.01	1.11	498	44,241	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
865	173	2.31	3.27	5832	39,201	12/17/2004	11/23/2013	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
866	173	3.36	3.45	284	42,632	7/29/2010		2020	2017	ILI	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
867	173	4.08	4.23	651	42,632	5/19/2011		2021	2017	ILI	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
868	173	5.17	5.30	729	42,632	3/9/2006	7/14/2012	2019	2017	ILI	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
869	173	5.95	6.53	3073	50,063	12/17/2004	11/23/2013	2020	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
870	173	6.79	6.92	636	45,892	10/18/2007	7/14/2012	2019	2017	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
871	173	7.06	8.07	7632	50,063	12/17/2004	11/23/2013	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
872	173	8.25	8.84	3147	50,063	12/17/2004	11/23/2013	2020	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
873	173	10.23	10.42	814	42,875	12/17/2004	11/23/2013	2020	2017	ILI	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
874	173	11.73	11.81	534	42,875	11/22/2008	7/14/2012	2019	2017	ILI	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
875	173	12.39	13.55	5483	46,870	12/17/2004	11/23/2013	2020	2017	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
876	173	14.23	14.66	2285	25,738	12/17/2004	11/23/2013	2020	2017	ILI	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
877	173-1	0.16	1.43	6630	48,822	12/17/2004	11/23/2013	2019	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
878	173-1	1.43	1.49	314	43,204	12/19/2008		2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
880	173-15	0.00	0.00	4	37,493	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
881	173-20	11.65	11.76	520	39,602	12/19/2008	7/14/2012	2019	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
882	173-20	12.35	12.48	508	39,602	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
883	173-4	12.48	12.48	4	38,558	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
884	173-7	12.48	12.48	4	37,285	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
885	173-8	0.00	0.37	1979	34,273	12/19/2008		2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
887	173-8	0.98	1.18	1066	34,273	5/19/2011		2021	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
888	173-8	1.89	2.29	2138	34,273	12/19/2008		2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
889	174-1-1	1.27	1.45	981	23,719	11/21/2008		2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
890	174-1-1	0.83	1.12	1625	36,560	4/10/2008		2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
891	177A	8.90	9.10	1171	54,956	12/17/2004	5/19/2014	2021	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
892	177A	25.51	25.75	1434	29,911	12/17/2004	5/29/2014	2021	2020	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	Low
893	177A	26.40	26.63	1281	54,956	9/20/2009		2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
894	177A	30.39	30.73	1396	37,705	12/17/2004	3/8/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
895	177A	45.00	45.32	1710	25,728	11/2/2010		2020	2020	ILI	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
896	177A	77.45	79.00	8014	39,947	12/17/2004	9/3/2015	2022	2020	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
897	177A	84.39	84.56	838	47,337	11/3/2010	4/27/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
898	177A	88.02	88.94	4769	46,362	12/17/2004	9/3/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
899	177A	85.57	85.95	1935	47,337	12/17/2004	9/3/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
900	177A	170.32	170.57	1204	52,067	12/17/2004	10/5/2015	2022	2017	ILI	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
901	177A	171.13	171.33	1035	49,099	12/17/2004	10/5/2015	2022	2017	ILI	Yes	No	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
902	177A	173.00	174.89	9723	53,716	12/17/2004	10/5/2015	2022	2017	ILI	Yes	No	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
905	177A	176.30	176.49	1012	53,716	12/17/2004	10/5/2015	2022	2017	ILI	Yes	No	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
906	177A	183.19	183.78	3090	46,677	12/17/2004	5/29/2014	2020	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
907	177A	188.27	188.53	1004	46,775	12/17/2004	10/5/2015	2022	2017	ILI	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
908	177A	190.26	190.77	3151	46,021	12/17/2004	10/5/2015	2022	2017	ILI	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
909	177B	7.26	7.51	1243	26,366	12/17/2004	9/3/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
910	177B	6.67	7.17	2677	40,986	12/17/2004	9/3/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
911	1813-02	12.15	16.40	22476	58,295	12/17/2004	11/18/2013	2020	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
912	1813-02	1.00	1.17	1034	58,295	12/17/2004	11/18/2013	2019	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
913	1813-02	8.77	9.07	1456	35,701	12/17/2004	11/18/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
914	1815-02	10.10	10.16	553	31,700	8/19/2010	11/18/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
915	1815-02	14.57	14.77	979	46,609	12/17/2004	11/18/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
916	1815-02	15.81	16.01	1226	46,609	8/19/2010	11/18/2013	2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
917	1815-02	16.22	16.80	2876	46,609	12/17/2004	11/18/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
919	1815-02	7.30	7.42	547	38,458	1/28/2009	11/18/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
920	1815-02	17.58	19.49	10199	48,816	12/17/2004	11/18/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	Low
922	1815-02	5.82	6.11	862	38,665	8/19/2010	11/18/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
923	1815-02	4.08	4.22	862	48,816	12/17/2004	11/18/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	Low
924	1815-15	2.04	2.14	459	42,364	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
925	1815-15	0.00	1.33	7279	53,358	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
926	1816-01	0.00	3.72	19768	56,403	12/17/2004	10/15/2013	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
928	1816-01	3.89	4.09	1306	42,513	12/17/2004	10/15/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
930	1816-01	8.05	8.35	1473	34,872	12/17/2004	10/15/2013	2020	2016	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
931	1816-01	9.38	11.54	12366	56,403	12/17/2004	10/15/2013	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
932	1816-01	12.05	14.82	10145	56,403	12/17/2004	10/15/2013	2020	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
933	1816-01	17.07	18.25	5802	56,403	12/17/2004	10/15/2013	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
934	1816-01	15.17	16.87	8841	56,403	12/17/2004	10/15/2013	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
938	1816-01	11.70	11.94	1293	46,528	12/17/2004	10/15/2013	2020	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
939	1816-02	0.00	0.07	382	43,911	12/17/2004	10/15/2013	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
940	1816-15	0.00	0.98	5088	53,336	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
942	1816-15	4.65	4.91	1508	53,336	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
943	1816-50	0.00	1.12	5583	48,023	12/17/2004	10/15/2013	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	Low
946	1817-01	0.00	2.97	16245	53,468	12/17/2004	10/15/2013	2020	2019	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
950	1817-01	8.04	8.36	1563	35,358	12/17/2004	5/14/2010	2016	2016	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
951	1818-01	3.04	4.86	10331	49,792	12/17/2004	10/15/2013	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
952	1818-01	0.00	0.45	2660	49,792	12/17/2004	8/30/2011	2018	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
954	1818-01	0.49	2.93	13371	49,792	12/17/2004	10/15/2013	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
955	1818-01	13.20	13.60	2085	44,784	12/17/2004	10/15/2013	2019	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
957	181A	15.31	15.44	706	45,656	11/26/2012		2022	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
958	181A	18.95	20.02	5726	45,656	12/17/2004	10/15/2013	2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
959	181A-10	2.21	2.49	1430	19,799	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
960	181A-10	5.50	5.67	953	42,328	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
961	181B	4.08	4.34	1399	44,296	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
962	181B	5.63	6.04	2060	47,022	12/17/2004	10/15/2013	2018	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
963	181B	9.88	10.85	5232	47,022	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
964	186	9.27	9.66	1995	46,164	12/17/2004	8/10/2011	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
966	186	24.09	24.28	846	37,548	11/22/2008	8/10/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
967	187	32.66	33.32	3277	39,511	12/17/2004	6/10/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
969	187	41.05	41.54	2692	43,289	12/17/2004	6/26/2013	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
973	187	41.69	41.97	1441	47,350	12/17/2004	6/26/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
974	187	45.00	45.11	666	45,745	12/17/2004	7/20/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
975	187	45.20	45.37	1069	45,745	12/17/2004	7/20/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
976	187	46.55	46.78	1249	45,002	12/17/2004	8/14/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
977	187	50.29	51.15	4172	45,541	12/17/2004	8/26/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
978	187	51.84	52.01	1020	44,622	12/17/2004	8/26/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
979	187	52.83	52.96	677	44,622	12/17/2004	8/26/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
980	187	56.41	56.59	984	50,918	8/23/2009	9/17/2013	2019	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
981	187	56.85	57.01	803	45,468	12/17/2004	9/17/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
982	187	64.33	64.53	1043	47,093	12/17/2004	10/17/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	Low
983	1881-01	1.31	2.66	7187	45,741	12/17/2004	7/29/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	High
984	1881-01	0.01	0.12	531	44,370	12/17/2004	7/29/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	Low
985	189	1.67	1.72	282	53,940	7/19/2012		2022	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
987	191	0.11	3.86	18841	48,806	12/17/2004	5/7/2013	2018	2016	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
989	191-1	25.99	26.79	4401	50,152	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
990	191-1	19.01	24.31	31807	50,152	12/17/2004	5/7/2013	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
992	191-1	14.98	16.98	10237	50,152	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
993	191-1	14.18	14.73	2781	44,027	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	Low
994	191-1	33.83	34.03	1074	41,540	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
995	191-1	34.84	35.00	805	40,865	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
996	191-1	35.19	35.83	3493	50,152	12/17/2004	5/7/2013	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
997	191-1	9.89	10.07	906	50,152	12/9/2008	8/2/2011	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
999	191A	3.34	3.46	821	31,316	12/17/2004	8/2/2011	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1000	195A4-2	0.18	0.37	1077	18,690	6/12/2008		2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	Low
1001	196A	12.59	12.89	1358	48,678	11/24/2008	11/13/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	Low
1002	197A	39.59	39.95	1927	45,105	5/7/2009		2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1003	197B	4.07	4.56	2928	50,837	12/17/2004	8/24/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1004	197C	20.77	20.93	805	41,705	12/17/2004	8/19/2011	2018	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
1005	197C	21.15	21.51	1877	42,943	12/17/2004	8/19/2011	2018	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1006	197C	21.68	21.70	118	47,052	12/17/2004	8/19/2011	2018	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
1007	197C	22.79	23.02	619	39,854	12/17/2004	8/19/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High
1008	197C-1	16.78	17.05	1294	43,410	12/17/2004	8/19/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1009	197C-2	2.15	2.21	321	40,294	12/17/2004	8/19/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1010	202	16.73	18.63	10017	43,404	12/17/2004	3/31/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1014	202	22.97	23.10	648	36,700	12/17/2004	3/31/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1015	209	3.92	3.99	426	26,243	12/17/2004	9/19/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1016	210A	19.51	20.22	5731	65,576	12/17/2004	11/21/2013	2020	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1017	210A	24.48	24.84	1910	27,202	12/17/2004	2/13/2009	2023	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1019	210A	18.79	19.52	7663	65,576	12/17/2004	11/21/2013	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1021	210A	9.62	9.96	2573	48,043	12/17/2004	6/10/2011	2018	2018	ILI, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1024	210A	10.13	17.45	35401	65,576	12/17/2004	6/10/2011	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1025	210B	18.47	20.14	9833	63,094	12/17/2004	5/21/2012	2019	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1028	210B	24.43	25.14	3789	38,069	12/17/2004	5/21/2012	2019	2019	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1029	210B	25.75	25.97	1209	35,358	10/4/2007	5/21/2012	2019	2019	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1030	210B	15.07	16.02	5066	49,771	12/17/2004	5/21/2012	2019	2019	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1031	210B	10.51	13.79	19424	63,094	12/17/2004	5/21/2012	2019	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1034	210C	28.55	32.09	18254	46,652	12/17/2004	9/17/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1035	210C	22.70	23.93	2733	48,827	8/26/2008	9/17/2013	2020	2020	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1036	210C	20.79	22.39	8426	48,827	12/17/2004	9/17/2013	2020	2020	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1037	210C	19.35	20.36	5444	53,234	12/17/2004	11/21/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1038	210C-1	2.67	3.76	6102	43,523	12/17/2004	11/21/2013	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	Low
1039	215	6.87	7.04	878	23,784	8/14/2007	11/9/2009	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1040	215	17.12	17.34	1149	37,099	12/17/2004	11/9/2009	2016	2016	ILI	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
1041	215	18.25	18.53	1510	37,194	12/17/2004	11/9/2009	2016	2016	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1042	215	18.72	19.46	3630	43,015	12/17/2004	11/9/2009	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1043	215	19.97	20.08	559	43,015	12/17/2004	11/9/2009	2016	2016	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1044	220	19.59	20.42	4679	48,702	12/17/2004	10/14/2013	2018	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1045	220	20.85	22.63	10647	48,702	12/17/2004	10/14/2013	2020	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1047	220	22.73	22.95	1079	43,621	12/17/2004	10/14/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1049	220	24.29	24.60	1742	34,814	4/22/2013		2023	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1050	220	30.29	31.75	7630	45,992	12/17/2004	10/14/2013	2020	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1054	2403-12	0.10	0.30	1041	45,202	3/14/2006	2/22/2010	2017	2017	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
1055	2403-12	1.02	1.84	4563	51,117	12/17/2004	10/6/2012	2019	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1056	2403-12	2.21	2.88	3282	51,117	12/17/2004	10/6/2012	2019	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1057	2405-01	0.09	0.62	2767	43,487	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1060	2406-01	0.00	0.15	817	36,254	10/4/2005	8/31/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1062	2408-05	2.83	3.33	2735	46,292	6/21/2012		2022	2017	ILI	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
1063	2408-05	0.51	1.55	5331	52,163	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1064	2408-05	0.15	0.38	1127	52,163	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1065	2408-05	4.16	5.63	8023	52,163	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1068	2408-11	0.48	2.95	13240	40,973	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1069	2408-11	3.95	4.14	947	40,973	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1070	2408-11	4.35	4.47	640	40,973	12/9/2008	9/9/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1071	2408-11	7.18	7.29	519	40,973	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1072	2408-12	7.14	7.33	1051	27,558	12/17/2004	9/9/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1074	3002-01	0.00	0.02	115	45,065	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1075	3008-01	0.00	0.05	207	47,634	11/18/2010	10/10/2012	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1076	3009-01	0.12	0.49	2106	35,890	12/17/2004	1/27/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1077	3009-01	0.77	0.98	1111	35,890	12/17/2004	1/27/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1078	300A	121.87	122.68	4291	58,824	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1079	300A	0.24	0.95	3710	45,704	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1080	300A	150.26	153.54	17366	52,360	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA	Yes	No	No	Low	Yes	Unstable	Yes	Yes	Medium	High
1081	300A	154.18	154.77	3052	49,780	12/17/2004	10/15/2013	2016	2016	ECDA, SCCDA	Yes	No	No	Low	Yes	Unstable	Yes	Yes	Medium	High
1082	300A	155.47	156.39	4849	46,120	12/17/2004	10/15/2013	2020	2019	ILI, SCCDA	Yes	No	No	Low	Yes	Stable	Yes	Yes	Medium	High
1083	300A	158.89	160.14	6074	52,360	12/17/2004	10/15/2013	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1084	300A	187.85	188.41	2947	38,891	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA	Yes	No	Yes	Low	Yes	Stable	Yes	No	Medium	High
1085	300A	181.44	182.34	4499	56,541	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Stable	Yes	Yes	Medium	High
1086	300A	198.93	199.49	2885	33,167	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Stable	Yes	No	Medium	High
1087	300A	200.70	201.22	2749	33,167	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Stable	Yes	No	Medium	High
1088	300A	237.44	238.16	3882	56,114	3/28/2006	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1089	300A	241.76	242.96	5277	56,114	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA	Yes	No	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1090	300A	244.46	244.97	2742	33,601	3/28/2006	6/15/2012	2016	2016	ECDA, SCCDA	Yes	No	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1091	300A	256.22	257.08	4582	56,114	12/17/2004	3/29/2012	2019	2019	ILI, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1092	300A	245.79	248.41	14145	31,583	12/17/2004	10/15/2013	2018	2017	ILI	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
1093	300A	268.95	269.56	3300	50,607	12/17/2004	3/29/2012	2019	2019	ILI, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1094	300A	274.78	275.41	3628	36,944	3/28/2006	3/29/2012	2019	2019	ILI	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
1095	300A	275.97	278.51	13223	50,607	12/17/2004	3/29/2012	2019	2019	ILI, SCCDA	Yes	No	Yes	Low	No	Stable	Yes	Yes	Medium	High
1096	300A	344.27	345.12	4436	42,514	12/17/2004	10/27/2014	2021	2021	ILI, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1098	300A	372.27	373.68	7401	45,001	1/3/2006	4/15/2013	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
1099	300A	384.65	385.09	2305	39,476	12/17/2004	4/15/2013	2020	2020	ILI, SCCDA	Yes	Yes	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1100	300A	410.73	415.16	23369	51,316	12/17/2004	2/18/2014	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
1101	300A	415.16	416.65	7900	51,316	12/17/2004	2/18/2014	2021	2021	ILI, SCCDA	Yes	Yes	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1102	300A	445.69	446.16	2634	40,983	12/17/2004	2/18/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1103	300A	450.32	450.83	2462	51,615	12/17/2004	2/18/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1104	300A	450.85	451.29	2837	48,909	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1105	300A	451.46	451.88	2190	31,021	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1106	300A	453.42	454.33	4648	37,412	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1108	300A	472.12	473.10	5044	42,151	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
1109	300A	474.09	475.47	7440	49,535	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1110	300A	476.46	478.00	8212	44,130	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
1111	300A	480.83	481.52	3782	60,009	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1112	300A	483.13	484.19	5784	60,009	12/17/2004	3/14/2014	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1113	300A	484.95	486.97	11410	48,335	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1114	300A	487.18	488.93	9182	60,009	12/17/2004	3/14/2014	2021	2021	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1115	300A	489.28	502.23	69619	60,009	12/17/2004	7/17/2014	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1116	300A-1	156.40	157.01	3242	23,399	12/17/2004	10/15/2013	2020	2016	ECDA	Yes	No	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1117	300A-4	0.00	0.02	65	46,337	12/17/2004	2/18/2014	2021	2021	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1118	300A-5	0.00	0.01	61	45,900	12/17/2004	3/14/2014	2021	2021	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1119	300B	0.00	0.83	4166	49,114	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1120	300B	143.25	144.24	5202	55,288	12/17/2004	10/15/2013	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	No	High	Yes	Stable	Yes	Yes	Medium	High
1121	300B	160.67	161.55	6436	51,053	12/17/2004	10/15/2013	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1122	300B	150.20	150.78	3012	55,741	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA	Yes	No	No	Low	Yes	Stable	Yes	Yes	Medium	High
1123	300B	152.73	153.48	3892	51,053	12/17/2004	10/15/2013	2020	2016	ECDA, SCCDA	Yes	No	No	Low	Yes	Unstable	Yes	Yes	Medium	High
1124	300B	187.57	188.16	3094	37,679	12/17/2004	6/15/2012	2016	2016	ECDA, Hydrotest	Yes	No	No	High	Yes	Stable	Yes	No	Medium	High
1125	300B	190.61	191.40	4231	38,575	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1126	300B	198.54	199.13	3013	32,296	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA	Yes	No	Yes	Low	Yes	Unstable	Yes	Yes	Medium	High
1127	300B	200.74	201.22	2521	31,754	12/17/2004	6/15/2012	2016	2016	ECDA, SCCDA	Yes	No	Yes	Low	Yes	Stable	Yes	No	Medium	High
1128	300B	237.45	238.09	3402	46,414	3/28/2006	6/15/2012	2016	2016	ECDA, SCCDA	Yes	No	Yes	Medium	Yes	Stable	Yes	Yes	Medium	High
1129	300B	241.45	241.99	2811	29,555	11/14/2011		2021	2017	ILI, SCCDA	Yes	No	Yes	Medium	Yes	Unstable	Yes	Yes	Medium	High
1130	300B	242.66	243.25	3117	36,041	9/4/2009	6/15/2012	2016	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Stable	Yes	Yes	Medium	High
1131	300B	256.66	257.51	4297	17,084	12/17/2004	4/23/2012	2019	2019	ILI, SCCDA	Yes	No	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1132	300B	246.39	248.97	13420	46,414	12/17/2004	10/15/2013	2018	2017	ILI, SCCDA, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
1133	300B	243.70	245.92	11849	44,125	12/17/2004	10/15/2013	2018	2017	ILI	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
1134	300B	263.47	264.37	4766	22,474	12/17/2004	4/23/2012	2019	2019	ILI, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1135	300B	272.15	273.96	9867	45,674	12/17/2004	4/23/2012	2019	2019	ILI, SCCDA	Yes	No	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1136	300B	275.24	280.03	26905	45,674	12/17/2004	4/23/2012	2019	2019	ILI	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
1137	300B	286.32	286.93	3188	43,996	12/17/2004	4/23/2012	2019	2019	ILI, SCCDA	Yes	No	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1139	300B	384.07	384.83	4153	42,816	11/1/2010	9/11/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
1140	300B	413.17	415.41	9157	58,743	12/17/2004	6/15/2012	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
1141	300B	416.31	416.79	2808	58,743	12/17/2004	6/15/2012	2016	2016	ILI, SCCDA	Yes	Yes	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1142	300B	445.72	446.09	1939	30,262	12/17/2004	6/15/2012	2016	2016	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1143	300B	450.31	450.81	2730	55,832	12/17/2004	6/15/2012	2016	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1144	300B	473.18	473.71	2789	45,451	12/17/2004	3/2/2013	2020	2020	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1145	300B	474.64	476.00	7881	48,905	12/17/2004	3/2/2013	2020	2020	ILI, SCCDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
1146	300B	476.26	477.19	4898	43,497	4/13/2006	3/2/2013	2020	2020	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
1147	300B	477.45	478.10	3649	48,727	12/17/2004	3/2/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	Low
1148	300B	484.01	484.72	3844	35,522	12/17/2004	3/2/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1149	300B	488.12	490.20	11467	43,818	12/17/2004	3/2/2013	2019	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1150	300B	490.41	502.63	65611	57,180	12/17/2004	12/10/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1151	3010-01	0.13	0.22	548	40,685	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	Low
1152	3010-01	0.53	0.65	512	40,685	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
1153	3017-01	6.61	6.95	1784	40,729	12/17/2004	7/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1154	3017-01	6.19	6.39	1036	40,159	12/17/2004	7/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
1155	3017-01	4.95	5.05	917	46,671	2/16/2006	8/2/2011	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1156	3017-01	4.19	4.70	2937	44,863	12/17/2004	7/28/2012	2019	2018	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1158	3017-01	2.67	3.24	3033	46,671	12/17/2004	7/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1160	3017-01	2.26	2.42	889	38,838	2/16/2006	8/2/2011	2018	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1161	3017-01	1.08	1.38	1632	39,229	12/17/2004	7/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	Low
1162	3017-01	0.00	0.51	2586	46,671	10/31/2012	5/7/2013	2022	2021	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1163	3019-01	0.00	0.22	998	40,119	12/17/2004	12/11/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1164	301A	24.45	24.77	1715	18,447	12/17/2004	11/18/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

Assessment Plan
Pipeline

HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1165	301A	0.00	0.12	1110	39,549	12/17/2004	2/9/2012	2017	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1166	301A	1.72	2.24	2704	46,524	12/17/2004	7/17/2014	2018	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1167	301B	13.45	13.96	3062	44,447	12/17/2004	11/18/2013	2018	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1169	301B	10.16	10.33	943	35,242	10/15/2008	7/27/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1170	301B	1.57	1.98	2129	44,447	12/17/2004	7/27/2011	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1171	301C	13.63	13.87	1304	45,682	12/17/2004	11/18/2013	2018	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1173	301C	14.14	14.61	2521	44,321	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1174	301F	7.12	7.74	3107	57,129	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1175	301F	4.77	6.58	9670	57,129	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1176	301F	3.10	3.29	1068	36,154	12/17/2004	7/27/2011	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	Low
1177	301G	24.25	24.63	1984	63,749	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1178	301G	18.00	18.47	2632	36,756	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1179	301G	0.00	0.14	1074	63,749	12/17/2004	7/27/2011	2018	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
1180	301G	1.61	2.34	3926	49,597	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1181	3022-01	0.80	0.97	853	29,484	12/17/2004	7/27/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1182	302W	4.46	5.01	2980	37,201	12/17/2004	8/5/2011	2016	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1183	303	39.32	42.84	19470	46,963	12/17/2004	3/3/2015	2022	2022	ILI, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1184	303	26.78	27.32	2756	24,990	3/14/2006	3/3/2015	2022	2022	ILI, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1185	303	24.69	25.82	5803	54,535	12/17/2004	3/3/2015	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1187	303	20.28	24.43	21738	45,129	12/17/2004	3/3/2015	2022	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
1188	303	4.66	8.22	19060	54,535	12/17/2004	3/3/2015	2022	2022	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1189	303	0.02	4.02	21361	47,087	12/17/2004	3/3/2015	2022	2022	ILI, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1190	304	3.19	4.59	7079	47,040	12/17/2004	9/21/2015	2020	2016	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1191	306	68.48	68.83	1162	32,675	12/17/2004	7/25/2014	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1193	307B	14.73	15.80	5207	42,304	12/17/2004	6/18/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1194	310	37.08	37.56	2289	46,546	12/17/2004	5/26/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1195	314	24.75	24.92	884	34,965	2/1/2006		2025	2024	ECDA, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
1196	316-2	0.00	1.36	683	39,561	7/16/2008	9/17/2011	2017	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1197	316-2	0.45	0.78	1708	32,325	7/16/2008	9/17/2011	2017	2017	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1198	316-20	0.00	0.87	4623	46,333	7/16/2008	9/17/2011	2017	2017	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1199	316-21	0.92	1.08	804	47,002	7/16/2008	9/17/2011	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1200	316F	0.85	0.98	674	38,468	11/16/2010		2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1201	316F	0.57	0.69	657	34,759	7/16/2008	9/17/2011	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1202	331A	0.00	0.28	1635	45,045	12/17/2004	12/10/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1203	331A	5.59	5.68	500	43,252	11/22/2008	12/10/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1204	331A	7.91	8.33	2360	38,634	12/17/2004	12/10/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1205	331B	4.37	4.64	1500	39,777	12/17/2004	12/10/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1206	331B-1	0.74	0.76	83	41,197	11/22/2008	12/10/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1207	331B-2	0.00	0.27	1417	37,343	11/12/2010		2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1208	375	0.00	1.09	5718	41,372	12/17/2004	6/14/2011	2018	2017	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
1209	375	1.22	1.88	3577	34,154	12/17/2004	6/14/2011	2018	2017	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	Low
1210	375	3.07	3.28	1012	34,154	3/28/2006	6/14/2011	2018	2017	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	Low
1211	375	3.95	4.84	4892	38,922	12/17/2004	6/14/2011	2018	2017	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	Low
1212	400	297.43	298.84	8022	49,017	12/17/2004	1/14/2013	2019	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1213	400	293.83	294.34	2431	48,850	12/17/2004	11/2/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	Low
1214	400	266.15	267.37	6403	35,834	12/17/2004	10/23/2015	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	Low
1215	400	262.93	263.58	3274	39,346	12/17/2004	10/23/2015	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	Low
1216	400	259.64	260.63	6006	57,154	12/17/2004	10/23/2015	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1217	400	185.64	186.44	4153	40,965	12/17/2004	7/25/2015	2020	2020	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Low	Yes	Unstable	Yes	Yes	Medium	High
1218	400	180.81	181.43	3245	22,052	8/6/2012		2022	2021	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Low	Yes	Unstable	Yes	Yes	Medium	High
1219	400	145.67	146.14	2552	32,870	12/17/2004	7/25/2015	2020	2020	ECDA	Yes	No	No	Low	Yes	Stable	Yes	No	Medium	High
1220	400	144.05	145.19	6119	38,130	12/17/2004	7/25/2015	2020	2020	ECDA, SCCDA	Yes	No	No	Low	Yes	Stable	Yes	No	Medium	High
1221	400	139.74	140.30	2892	32,086	12/17/2004	8/20/2015	2022	2016	ILI, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	No	Medium	High
1222	400	113.60	114.63	5387	46,841	12/17/2004	8/20/2015	2022	2016	ILI, SCCDA	Yes	No	Yes	Low	Yes	Stable	Yes	Yes	Medium	High
1223	400	83.91	84.95	5618	30,219	12/17/2004	8/20/2015	2022	2022	ILI	Yes	No	No	Low	Yes	Stable	Yes	No	Medium	High
1224	400	80.04	81.29	6579	33,264	12/17/2004	8/20/2015	2022	2016	ILI, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1225	400-3	297.45	297.88	2311	52,737	12/17/2004	1/14/2013	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1226	400-3	293.84	294.36	2769	47,855	12/17/2004	11/14/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	Low
1227	401	394.87	395.50	3314	43,143	11/10/2010	7/19/2012	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
1228	401	390.39	390.91	2739	29,001	12/17/2004	7/19/2012	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
1229	401	378.49	380.06	8178	47,528	12/17/2004	7/19/2012	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	Stable	Yes	Yes	Medium	High
1230	401	343.29	344.80	7915	47,166	12/17/2004	7/19/2012	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
1231	401	339.17	340.10	4921	43,819	12/17/2004	7/19/2012	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
1232	401	335.53	337.13	8468	33,980	10/21/2011		2021	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	Stable	Yes	Yes	Medium	High
1233	401	327.15	327.64	2578	45,010	3/15/2006	7/19/2012	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
1234	401	325.85	326.92	5617	45,925	12/17/2004	7/19/2012	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1235	401	321.56	322.62	5622	42,356	12/17/2004	7/19/2012	2017	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1236	401	313.70	314.35	3360	55,915	10/27/2007	10/23/2015	2020	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1237	401	308.46	310.66	12885	55,915	12/17/2004	10/23/2015	2020	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1238	401	302.96	303.99	5252	55,915	10/27/2007	10/23/2015	2020	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1239	401	266.08	267.44	7148	46,104	12/17/2004	10/23/2015	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	Stable	Yes	Yes	Medium	High
1240	401	262.89	263.61	3729	32,473	12/17/2004	10/23/2015	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	Low
1241	401	259.58	260.71	4270	46,104	12/17/2004	10/23/2015	2020	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1242	401	185.71	186.49	4142	38,930	12/17/2004	9/25/2015	2020	2020	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Low	No	Stable	Yes	Yes	Medium	High
1243	401	180.83	181.46	3254	22,424	8/6/2012		2022	2021	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Low	No	Stable	Yes	Yes	Medium	High
1244	401	145.59	146.21	3277	26,846	12/17/2004	9/17/2014	2021	2021	ILI	Yes	No	No	Low	No	No	Yes	No	Medium	High
1245	401	144.00	145.20	6455	33,955	12/17/2004	9/17/2014	2021	2021	ILI, SCCDA	Yes	No	Yes	Low	No	No	Yes	No	Medium	High
1246	401	143.18	143.84	3668	33,955	12/17/2004	9/17/2014	2021	2021	ILI, SCCDA	Yes	No	Yes	Low	No	No	Yes	Yes	Medium	High
1247	401	139.69	140.39	3663	29,539	12/17/2004	9/17/2014	2021	2021	ILI, SCCDA	Yes	No	Yes	Low	No	No	Yes	No	Medium	High
1248	401	113.57	114.64	5936	40,387	12/17/2004	9/17/2014	2021	2021	ILI, SCCDA	Yes	No	Yes	Low	No	No	Yes	Yes	Medium	High
1249	401	83.81	85.04	6399	28,049	12/17/2004	9/17/2014	2021	2021	ILI, SCCDA	Yes	No	Yes	Medium	No	No	Yes	Yes	Medium	High
1250	401	80.00	81.22	7069	39,645	12/17/2004	7/25/2015	2020	2020	ECDA, SCCDA	Yes	No	Yes	Low	No	Stable	Yes	No	Medium	High
1251	402	9.63	9.72	483	43,388	12/17/2004	10/12/2013	2020	2017	ILI, Hydrotest	Yes	No	No	High	No	Unstable	Yes	No	Medium	High
1253	402	11.73	11.95	1153	43,388	12/17/2004	12/8/2012	2018	2017	ILI, Hydrotest	Yes	No	No	High	No	Unstable	Yes	No	Medium	High
1254	402	13.14	13.67	2590	43,388	12/17/2004	12/8/2012	2018	2017	ILI, Hydrotest	Yes	No	No	High	No	Unstable	Yes	No	Medium	High
1255	402	13.88	14.49	3293	46,693	12/17/2004	12/8/2012	2018	2017	ILI, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1257	402	14.72	15.48	4180	46,888	12/17/2004	12/8/2012	2018	2017	ILI, SCCDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1258	402	15.94	17.37	6721	46,888	12/17/2004	12/8/2012	2018	2017	ILI, SCCDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1259	402	18.14	19.57	7526	46,888	12/17/2004	10/12/2013	2018	2017	ILI, SCCDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1261	402	19.75	20.00	1208	44,677	12/17/2004	12/8/2012	2018	2017	ILI, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1264	402	21.22	25.77	23885	46,888	12/17/2004	12/8/2012	2018	2017	ILI, SCCDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1265	402	25.88	26.96	4750	46,452	12/17/2004	12/8/2012	2018	2017	ILI	Yes	No	No	Low	No	Unstable	Yes	Yes	Medium	High
1266	402	27.41	29.91	13553	46,888	12/17/2004	12/8/2012	2018	2017	ILI, SCCDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1267	402	30.27	30.96	3913	46,888	12/17/2004	12/8/2012	2018	2018	ECDA, SCCDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1268	402	32.68	32.89	1171	24,019	12/17/2004	12/8/2012	2018	2018	ECDA	Yes	No	No	Low	No	Unstable	Yes	No	Medium	High
1269	402	35.29	35.81	2786	40,573	12/17/2004	10/12/2013	2017	2017	ECDA	Yes	No	No	Medium	No	Unstable	Yes	Yes	Medium	High
1270	402	36.00	36.12	629	46,888	3/9/2006	12/8/2012	2017	2017	ECDA, SCCDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1271	402	36.65	36.93	1576	42,011	12/17/2004	10/12/2013	2017	2017	ECDA	Yes	No	No	Medium	No	Unstable	Yes	Yes	Medium	High
1272	402	37.45	37.59	649	43,282	12/17/2004	10/12/2013	2017	2017	ECDA	Yes	No	No	Medium	No	Unstable	Yes	No	Medium	High
1273	402B	9.94	10.08	692	28,556	12/17/2004	12/8/2012	2019	2018	ECDA, Hydrotest	Yes	No	No	High	No	Stable	Yes	No	Medium	High
1274	402B	11.68	11.90	1172	28,556	12/17/2004	12/8/2012	2019	2018	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
1275	6603-01	4.42	5.41	5146	27,571	12/17/2004	12/17/2010	2017	2017	ECDA	Yes	No	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1277	6624-01	0.00	0.29	2191	28,516	12/17/2004	5/31/2012	2019	2018	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
1278	6635-02	0.00	0.13	622	32,042	4/12/2006	5/31/2012	2019	2018	ECDA, Hydrotest	Yes	No	No	High	Yes	Stable	Yes	Yes	Medium	High
1279	7202-01	0.00	0.68	3607	50,277	12/17/2004	7/21/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1280	7204-01	0.53	1.96	372	47,871	12/17/2004	7/21/2014	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1281	7205-01	0.19	0.86	3137	45,244	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1282	7205-01	1.74	2.02	756	41,829	8/12/2009	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1284	7205-01	2.75	3.07	1105	32,437	10/3/2007	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1286	7206-01	0.17	0.57	2100	45,930	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1287	7206-01	0.73	0.88	859	45,930	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1288	7207-01	0.00	0.64	3367	43,919	12/17/2004	8/5/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1289	7209-01	1.05	1.21	845	36,276	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1290	7221-10	16.02	16.17	758	38,185	12/17/2004	9/29/2009	2023	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1291	7221-10	14.35	15.38	5454	52,044	12/17/2004	8/8/2014	2021	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1292	7221-10	11.29	12.09	4222	52,044	12/17/2004	9/29/2009	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1293	7221-10	8.36	10.43	11063	52,044	12/17/2004	9/29/2009	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1294	7221-15	3.08	3.60	2829	48,564	12/17/2004	11/5/2012	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1295	7221-15	1.79	2.88	5635	57,346	12/17/2004	11/5/2012	2017	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	None	No	Yes	Yes	Medium	High
1296	7221-15	0.00	1.72	9470	50,851	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1297	7221-16	0.14	1.23	5643	54,046	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1299	7221-16	0.00	0.14	120	54,046	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1300	7222-01	13.66	13.99	1757	38,510	2/9/2006	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1301	7222-01	10.75	13.50	13895	53,201	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1302	7222-01	11.16	11.16	7	34,437	12/31/2014		2021	2020	ECDA, ICDA	Yes	Yes	No	None	None	No	Yes	No	Medium	High
1304	7222-01	6.49	7.31	4484	53,201	1/22/2013		2023	2023	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1305	7222-01	0.22	1.80	14113	53,201	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1308	7222-01	1.90	3.00	1360	53,201	9/20/2008		2018	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1309	7222-01	0.00	0.11	603	43,914	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1313	7222-01	5.72	6.20	2118	46,668	8/29/2009		2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
1314	7223-01	9.10	9.78	3023	44,080	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1315	7223-01	8.22	9.00	4264	51,216	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1316	7223-01	7.59	7.73	742	50,448	10/28/2010	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1317	7223-01	6.83	7.45	3181	50,448	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1318	7223-01	3.94	4.38	2244	48,130	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1319	7223-01	3.67	3.78	649	30,252	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
1320	7223-01	2.74	2.95	1117	51,216	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1321	7223-01	0.14	1.41	6937	48,281	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1322	7224-01	1.56	2.02	2300	48,393	12/17/2004	11/5/2012	2017	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1324	7224-01	2.41	5.79	17420	51,620	12/17/2004	11/5/2012	2017	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1325	7224-01	6.00	6.07	339	51,620	12/17/2004	11/5/2012	2019	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1326	7224-06	0.00	0.02	220	46,016	12/17/2004	11/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1327	7224-07	0.00	2.37	12531	51,660	12/17/2004	9/22/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1329	7224-09	0.51	0.69	974	51,533	9/20/2008	9/22/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1330	7224-09	0.91	1.01	508	50,772	9/20/2008	9/22/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1331	7224-09	1.17	1.31	753	51,466	8/29/2009	11/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1332	7224-12	0.59	0.70	542	36,340	10/29/2010	9/22/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1333	7224-12	0.00	0.10	561	50,818	12/17/2004	9/22/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1334	7225-01	0.00	0.04	223	39,980	12/17/2004	9/22/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1335	7225-01	0.19	1.43	6799	47,160	12/17/2004	9/22/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1342	7226-01	0.00	0.25	1151	46,541	12/17/2004	8/8/2014	2021	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1343	7226-01	1.85	2.23	1963	35,685	9/20/2008	9/22/2014	2021	2019	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	No	Medium	High
1344	7226-01	5.09	5.42	1775	46,541	12/17/2004	9/22/2014	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High
1345	7226-01	5.53	5.59	333	46,541	12/17/2004	9/22/2014	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1346	7226-02	0.00	0.24	1270	46,394	12/17/2004	8/8/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1347	7226-02	1.82	2.28	2303	45,943	9/20/2008	9/22/2014	2021	2019	ILI	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1348	7227-01	4.03	4.62	3342	44,812	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1349	7227-01	3.34	3.70	2142	46,821	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1350	7227-01	3.10	3.19	496	42,562	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1351	7227-01	2.30	2.61	1631	42,660	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1352	7227-01	1.53	1.78	1346	43,649	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1353	7227-01	0.02	0.25	1262	46,821	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1354	7227-05	0.34	1.01	3522	40,873	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1355	7227-05	0.00	0.11	494	26,063	12/17/2004	11/5/2012	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1356	8805-03	0.00	0.55	2841	47,234	12/17/2004	9/26/2014	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1357	BD10064	0.00	0.02	124	39,172	9/28/2010	2/9/2012	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1358	BD10065	0.00	0.02	101	39,172	9/28/2010	2/9/2012	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1365	BD107	0.00	0.00	1	53,914	12/29/2015		2022	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1366	BD10816	0.00	0.00	10	33,079	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1367	BD10823	0.00	0.00	4	31,573	11/17/2011	12/5/2012	2019	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1368	BD10825	0.00	0.01	28	31,894	11/17/2011	12/5/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1372	BD11092	0.00	0.03	132	34,857	4/30/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1374	BD266	57.45	57.45	10	33,055	11/22/2010	10/27/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1375	BD267	0.00	0.01	65	41,892	11/22/2010	10/27/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1376	BD15184	0.00	0.01	36	42,820	6/25/2010		2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
1381	BD31	10.46	10.46	3	48,312	6/25/2010	12/5/2012	2019	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1385	BD35	0.00	0.23	1238	35,801	11/18/2010	12/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1386	BD354	0.00	0.00	3	53,716	7/22/2010		2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1390	BD464	0.00	0.10	530	21,127	9/13/2010	6/15/2012	2018	2017	ECDA	Yes	No	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1391	BD465	0.00	0.08	265	30,005	9/7/2010	6/15/2012	2016	2016	ECDA	Yes	No	No	Low	Yes	Stable	Yes	Yes	Medium	High
1392	BD466	0.00	0.08	432	38,258	9/7/2010	6/15/2012	2016	2016	ECDA, Hydrotest	Yes	No	No	High	Yes	Stable	Yes	Yes	Medium	High
1393	BD547	0.00	0.00	5	34,323	11/22/2010	9/18/2014	2021	2020	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	No	Low	Low
1394	BD15116	0.00	0.02	103	21,531	9/13/2010	6/15/2012	2018	2017	ECDA, Hydrotest	Yes	No	No	High	Yes	Stable	Yes	Yes	Medium	High
1395	BD602	0.00	0.02	111	35,966	9/28/2010	6/15/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1396	BD616	0.00	0.02	122	48,910	11/22/2010	6/15/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	High
1397	BD626	0.00	0.00	4	44,447	10/19/2011		2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1401	BD686	9.96	9.97	47	39,646	11/8/2010	12/8/2012	2019	2019	ECDA, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	No	Medium	High
1402	BD7045	0.00	0.00	4	45,675	6/13/2012		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1403	BD7046	0.00	0.02	84	40,161	6/13/2012		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1404	BD74	12.07	12.07	5	43,873	11/22/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1406	BD78	0.00	0.00	20	43,035	11/14/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1410	BD80	22.79	22.81	104	48,076	11/14/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1411	BD8025	0.00	0.01	49	40,867	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
1412	BD81	0.00	0.01	29	48,946	11/14/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1413	BD83	0.00	0.00	13	44,528	11/14/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1414	BD8547	16.66	16.66	10	45,889	6/25/2010		2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
1415	BD8746	0.00	0.00	47	40,678	9/14/2010	5/31/2012	2019	2018	ECDA	Yes	No	No	Medium	No	No	Yes	Yes	Medium	High
1429	DCUST10000	0.00	0.00	2	20,014	9/25/2009	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1430	DCUST10030	0.00	0.47	2472	47,557	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1431	DCUST10739	0.00	0.02	167	36,397	2/23/2012		2022	2020	ECDA	Yes	No	No	Medium	No	No	Yes	No	Medium	High
1432	DCUST11247	0.00	0.00	31	39,914	9/6/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1433	DCUST1416	0.00	0.00	12	48,892	12/17/2004	10/30/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
1434	DCUST1423	0.21	0.37	1117	52,075	12/17/2004	9/23/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1436	DCUST1498	0.00	0.37	1932	40,290	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
1437	DCUST1710	0.00	0.00	17	33,703	3/8/2011	10/6/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1446	DCUST7757	0.00	0.12	651	44,453	9/30/2005	11/5/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1448	DCUST8180	0.00	0.00	0	32,157	3/15/2006	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Low	High
1449	DCUST8231	0.00	0.26	1372	31,386	3/15/2006	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1453	DCUST982	0.00	0.25	1332	32,508	12/17/2004	9/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1454	DF10822	0.00	0.00	5	33,770	11/17/2011	12/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1455	DF11087	0.00	0.00	10	37,068	6/19/2012	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1456	DF11091	0.00	0.03	109	49,970	4/30/2012		2022	2021	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1458	DF3220	0.00	0.00	3	38,290	12/17/2004	12/10/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1459	DF3223	0.00	0.00	2	46,255	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1461	DF3233	0.00	0.02	16	40,826	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1463	DF3249	12.06	12.06	6	45,377	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
1464	DF3250	0.00	0.00	19	44,194	12/17/2004	10/30/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
1465	DF3252	0.00	0.00	6	40,225	6/8/2011	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1466	DF3254	0.00	0.00	13	42,607	12/17/2004	11/3/2011	2018	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1467	DF3255	0.00	0.00	16	47,550	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1468	DF3259	0.00	0.02	10	46,871	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1469	DF3267	0.00	0.00	13	41,451	12/17/2004	12/1/2015	2022	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1470	DF3294	0.00	0.00	22	35,745	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1471	DF3300	0.00	0.00	7	39,538	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1472	DF3304	0.00	0.00	18	29,028	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Low	High
1473	DF3318	0.00	0.00	22	25,759	12/17/2004	12/10/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1478	DF3373	0.00	0.00	16	30,514	12/17/2004	9/23/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1479	DF3374	0.00	0.00	13	36,147	12/17/2004	9/26/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1480	DF3375	0.00	0.00	14	24,711	12/17/2004	9/26/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1481	DF3378	0.00	0.00	7	46,889	12/17/2004	10/8/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1483	DF3403	0.00	0.00	7	38,304	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Low	High
1484	DF3410	0.00	0.00	19	21,135	12/17/2004	8/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
1485	DF16548	0.00	0.00	13	29,580	12/17/2004	8/28/2012	2018	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1486	DF3421	0.00	0.00	2	48,816	12/17/2004	11/18/2013	2020	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	Low
1487	DF3423	0.00	0.00	14	31,237	12/31/2015		2023	2022	ECDA, ICDA	Yes	Yes	No	None	None	No	Yes	Yes	Medium	Low
1488	DF3426	8.86	9.34	2173	46,198	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
1489	DF3426	8.50	8.76	2107	46,198	2/16/2006	5/14/2010	2016	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
1490	DF3426	9.39	9.59	1523	37,775	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
1495	DF3432	0.00	0.00	9	40,129	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1499	DF3475	0.00	0.00	18	40,600	12/17/2004	8/7/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
1500	DF3476	0.00	0.03	149	47,415	12/17/2004	12/10/2013	2016	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1501	DF3500	0.00	0.00	14	29,784	12/17/2004	10/12/2013	2020	2019	ECDA, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
1502	DF3524	0.00	0.01	38	39,108	11/19/2010	10/10/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1504	DF6836	0.00	0.01	63	47,047	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1507	DF6869	0.00	0.00	8	46,239	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1510	DF7537	0.00	0.00	9	35,988	12/17/2004	8/11/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1511	DF7569	0.00	0.00	9	39,891	12/17/2004	9/17/2009	2016	2016	ECDA, Hydrotest	Yes	No	No	High	No	No	Yes	No	Medium	High
1514	DF7710	0.00	0.01	26	38,316	11/18/2010	10/10/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
1515	DF7990	0.00	0.00	1	36,285	5/23/2011		2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
1516	DF8185	0.00	0.00	8	22,948	12/19/2008	9/1/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
1518	DF8450	0.00	0.00	6	36,815	7/16/2007	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1519	DF8784	0.00	0.02	104	47,783	11/2/2010	2/8/2011	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1520	DF8818	0.00	0.00	18	41,943	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1521	DF8819	0.00	0.00	19	37,934	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1522	DF9009	0.00	0.00	8	35,164	5/1/2006	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1523	DF9010	0.00	0.00	6	21,748	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1524	DF9012	0.00	0.00	6	41,931	12/17/2004	12/11/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1525	DF9014	0.00	0.00	20	35,917	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1526	DF9198	0.00	0.00	17	30,851	11/2/2010		2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1528	DFDS3580	0.00	0.04	272	43,924	6/20/2012		2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1529	DFDS3606	0.00	0.05	228	39,783	12/17/2004	12/17/2010	2017	2017	ECDA, Hydrotest	Yes	No	No	High	No	No	Yes	Yes	Medium	High
1530	DFDS3614	0.00	0.00	11	56,298	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1531	STUB15424	0.00	0.00	1	34,143	12/17/2004	9/23/2014	2021	2020	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
1532	DFDS3628	0.01	0.01	19	40,643	12/17/2004	1/10/2016	2022	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1537	DFDS3675	0.00	0.02	108	34,927	4/13/2006	7/17/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1538	DFDS3684	0.00	0.00	35	35,810	4/13/2006	7/17/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1539	DFDS7095	0.00	0.00	11	39,309	11/19/2010	6/15/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1540	DFDS8559	0.00	0.00	15	35,709	3/14/2006	9/9/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1541	DFDS8807	0.00	0.01	44	41,463	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Low	High
1542	DREG10155	0.00	0.01	65	39,152	9/29/2011	8/1/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1543	DREG10821	0.00	0.05	252	35,993	11/17/2011	12/5/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1545	DREG3825	0.00	0.01	38	43,077	12/17/2004	12/10/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1546	DREG3831	0.00	0.01	47	44,829	12/17/2004	3/1/2013	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1547	DREG3870	0.00	0.01	17	46,405	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1549	DREG3875	0.00	0.06	281	55,671	8/28/2012	3/1/2013	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1552	DREG4014	0.00	0.07	257	48,898	12/17/2004	11/5/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
1553	DREG4048	0.00	1.16	788	41,527	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1554	DREG4086	0.00	0.01	72	35,831	6/6/2007	4/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High
1555	DREG4088	0.00	0.81	3903	38,223	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1556	DREG4118	3.13	3.13	3	38,131	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1557	DREG4175	0.00	0.02	215	31,673	4/13/2006	12/2/2009	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Low	Low
1558	DREG4176	0.00	0.01	71	42,149	4/13/2006	12/2/2009	2016	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Low	High
1560	DREG4180	0.00	0.09	627	45,106	12/17/2004	3/28/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1561	DREG4180	0.21	0.70	2597	46,074	12/17/2004	3/28/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1562	DREG4185	0.00	0.03	201	54,956	3/8/2011	11/29/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1563	DREG4196	0.00	0.01	26	44,033	12/19/2008	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1564	DREG4197	0.00	0.02	138	52,126	12/17/2004	10/30/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Low	High
1567	DREG4207	0.00	0.60	3233	54,087	12/17/2004	9/18/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1568	DREG4208	0.00	0.02	168	46,969	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1569	DREG4260	0.43	0.67	1199	47,458	12/17/2004	9/30/2011	2018	2016	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1570	DREG4281	0.03	0.09	344	48,179	10/11/2011		2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1571	DREG4310	0.42	0.64	1048	40,448	10/21/2011		2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1572	DREG4325	0.06	0.25	841	48,530	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1574	DREG4327	0.53	1.29	4286	47,657	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1575	DREG4339	0.00	0.01	116	52,848	12/19/2008	9/23/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1577	DREG4388	0.00	0.07	393	45,457	12/17/2004	7/21/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1578	1223-01	0.56	0.74	1372	37,832	12/17/2004	8/1/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1579	1223-01	0.95	1.29	2554	37,832	12/17/2004	8/1/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1580	DREG4454	0.00	0.03	163	47,362	12/17/2004	7/21/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1581	DREG4497	0.00	0.19	973	50,539	12/17/2004	5/12/2014	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1584	DREG4583	0.03	0.04	213	33,661	7/23/2010		2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1585	DREG4718	0.00	0.04	203	45,840	11/23/2008	9/9/2010	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1586	DREG4731	0.00	0.02	105	42,913	12/17/2004	9/26/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1587	DREG4734	0.00	0.01	43	33,822	12/17/2004	9/23/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1588	DREG4738	0.00	0.05	263	46,530	12/17/2004	9/26/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1589	DREG4793	0.00	0.11	1099	44,320	12/17/2004	5/12/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	High
1591	DREG4868	0.00	0.24	1206	48,940	12/17/2004	10/6/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	Low
1593	DREG4892	0.07	0.09	104	47,118	8/13/2009		2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
1595	DREG4919	0.00	0.13	659	52,193	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
1596	DREG4919	0.26	0.35	565	52,193	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High
1599	DREG5090	0.00	0.03	122	46,857	12/17/2004	11/18/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1601	DREG5157	0.00	0.01	65	41,437	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1603	DREG5261	0.00	0.00	0	41,330	11/15/2010		2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1604	DREG5266	0.00	0.01	93	38,524	12/17/2004	11/21/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1605	DREG5267	0.00	0.04	202	45,161	12/17/2004	11/21/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1606	DREG5282	0.00	0.11	654	25,781	7/24/2007	5/19/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1607	DREG5282	0.85	1.08	1203	47,772	12/17/2004	10/14/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1608	DREG5419	0.13	1.00	4683	48,170	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1611	DREG5477	0.61	0.83	1202	22,462	12/17/2004	10/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
1612	DREG5477	0.34	0.52	966	41,691	12/17/2004	10/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
1613	DREG5477	0.13	0.23	564	41,691	12/17/2004	10/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
1614	DREG5480	0.00	0.03	141	30,733	12/17/2004	10/12/2013	2019	2019	ILI, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
1615	DREG5480	0.12	0.66	2618	46,097	12/17/2004	10/12/2013	2020	2019	ILI	Yes	No	No	Medium	Yes	Unstable	Yes	No	Medium	High
1616	DREG5480	0.69	1.09	2417	46,097	12/17/2004	10/12/2013	2020	2019	ILI, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
1618	DREG5496	0.00	3.03	16095	33,916	12/17/2004	12/17/2010	2017	2017	ECDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	Yes	Medium	High
1620	DREG5640	0.00	0.00	11	41,484	11/19/2010		2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1621	DREG5642	0.00	0.00	11	41,210	11/19/2010	10/10/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	Low
1625	DREG7562	0.00	0.22	1137	36,328	3/14/2006	2/5/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1626	DREG9001	0.62	0.74	544	41,098	11/15/2010		2020	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	High
1627	DREG9910	0.00	0.00	8	54,201	5/11/2009	8/7/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1628	DRIP5655	0.00	0.00	16	43,199	3/30/2011	11/29/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1632	DRIP7968	0.00	0.00	10	55,968	4/13/2006	6/15/2012	2016	2016	ECDA, ICDA, SCCDA	Yes	Yes	Yes	None	None	Unstable	Yes	No	Medium	Low
1634	DRIP7983	0.00	0.02	105	46,257	5/2/2006	5/1/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Low	High
1635	DRIP7994	0.00	0.02	77	41,865	5/2/2006	8/2/2011	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1636	DRIP7995	0.00	0.01	76	53,878	5/2/2006	10/23/2015	2022	2019	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Low	High
1637	DRIP7996	0.00	0.01	57	50,624	5/2/2006	10/23/2015	2022	2019	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Low	High
1639	DRIP9875	0.00	0.00	1	45,295	5/18/2012	9/26/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1640	GCUST5748	0.31	0.56	1338	38,836	10/29/2010	11/5/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1641	GCUST5748	0.00	0.10	566	42,006	1/20/2010	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1642	GCUST5754	0.10	0.19	533	35,773	12/17/2004	1/10/2016	2022	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1643	GCUST5755	0.00	0.01	37	31,236	12/17/2004	1/10/2016	2022	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1644	GCUST5770	0.00	0.00	13	29,082	12/17/2004	4/21/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1648	GCUST5778	0.02	0.16	792	36,375	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1649	GCUST5779	0.00	0.02	129	36,779	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1650	GCUST5792	0.00	0.05	119	48,539	11/14/2010		2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1651	GCUST5802	0.00	0.01	29	41,116	12/17/2004	12/13/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1652	GCUST5813	0.00	1.41	7658	46,061	12/17/2004	9/26/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
1653	GCUST5814	0.00	0.10	499	51,997	12/17/2004	9/26/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1654	GCUST5818	0.00	0.20	1081	32,150	3/28/2006	5/31/2012	2019	2018	ECDA	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
1655	GCUST5819	0.00	0.16	863	32,583	3/28/2006	5/31/2012	2019	2018	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
1656	GCUST5820	0.00	0.02	135	39,505	12/17/2004	11/5/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1658	GCUST5826	0.01	0.01	12	40,526	10/9/2007	4/20/2015	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1659	GCUST5827	0.00	0.01	89	32,135	12/17/2004	10/23/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1660	GCUST5828	0.01	0.04	159	38,754	12/17/2004	10/23/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1661	GCUST5835	0.02	0.23	1122	44,034	11/21/2011	6/15/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1662	GCUST5838	0.00	0.03	175	41,479	8/13/2009		2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1664	GCUST5842	1.48	1.83	1610	47,927	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1665	GCUST5842	0.55	0.71	842	46,252	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
1666	GCUST5842	0.00	0.09	444	47,927	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1667	GCUST5845	0.31	0.39	389	39,856	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1668	GCUST5856	0.00	0.10	543	51,773	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Medium	High
1669	GCUST5857	0.00	0.15	848	43,937	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
1670	GCUST5877	0.11	0.22	652	40,247	12/17/2004	7/29/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1672	GCUST5900	0.00	0.99	4988	41,505	5/20/2011		2021	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1675	GCUST5913	0.00	0.33	1747	42,604	12/17/2004	5/26/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1676	GCUST5916	0.00	0.10	613	45,760	12/17/2004	12/10/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1677	GCUST5917	0.00	0.00	432	43,007	12/17/2004	12/10/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
1678	GCUST5919	0.06	0.16	623	29,640	12/17/2004	12/10/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1681	GCUST5955	0.00	0.70	4152	49,451	12/17/2004	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1682	GCUST5958	0.00	0.67	3635	50,346	12/17/2004	11/5/2012	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1683	GCUST5959	0.00	0.10	175	37,322	12/17/2004	9/22/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1684	GCUST5969	0.05	0.22	854	46,398	12/17/2004	8/8/2014	2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
1685	GCUST5970	0.00	0.49	2464	38,569	12/17/2004	10/10/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1686	GCUST6976	0.00	0.02	133	47,855	10/4/2005	10/30/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1688	GCUST8387	12.06	12.14	409	44,055	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1704	STUB10015	0.00	0.00	2	45,218	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1705	STUB10067	0.00	0.00	4	35,804	9/20/2008	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1706	STUB10104	0.00	0.00	3	45,151	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1707	STUB10105	137.29	137.29	3	44,616	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1708	STUB10158	0.00	0.00	2	19,913	5/14/2009		2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1709	STUB10159	0.00	0.00	2	20,728	5/14/2009		2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1710	STUB10220	0.00	0.00	3	41,301	12/17/2004	10/12/2013	2020	2019	ECDA	Yes	No	No	Low	No	No	Yes	No	Low	High
1711	STUB10273	0.00	0.00	2	36,920	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1712	STUB10859	0.00	0.00	2	17,572	8/21/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1713	STUB10952	0.00	0.00	4	47,423	12/17/2004	9/23/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1715	STUB10963	0.00	0.01	53	48,395	1/30/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1718	STUB11077	0.00	0.02	102	46,533	4/25/2012	3/2/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1719	STUB11083	0.00	0.00	33	19,841	7/9/2012	3/7/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1720	STUB11090	0.00	0.01	72	35,104	7/3/2012	5/17/2014	2021	2020	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1721	STUB11110	0.00	0.00	12	42,459	5/7/2012	3/1/2013	2020	2017	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1722	STUB11116	0.00	0.02	121	37,718	12/17/2004	5/17/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1723	STUB11123	0.00	0.01	47	37,821	5/2/2012	7/14/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1724	STUB11125	0.00	0.02	104	40,466	6/4/2012	3/3/2015	2022	2021	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1725	STUB11135	0.00	0.01	59	32,674	6/19/2012	7/14/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1726	STUB11136	0.00	0.02	87	33,399	7/2/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1727	STUB11140	0.00	0.01	48	37,900	6/4/2012		2022	2016	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1728	STUB11141	0.00	0.01	40	31,153	6/4/2012		2022	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1729	STUB11153	0.00	0.01	51	30,783	7/20/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1730	STUB11163	0.00	0.00	1	33,595	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
1731	STUB11221	0.00	0.01	49	39,084	8/28/2012		2022	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1732	STUB11233	0.00	0.01	32	33,898	8/28/2012		2022	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1733	STUB11239	0.00	0.00	3	34,893	1/25/2006	12/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1734	STUB11289	0.00	0.01	59	34,994	8/28/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	Yes	No	Yes	Yes	Medium	High
1736	STUB11344	0.00	0.01	42	31,918	9/6/2012		2022	2016	ILI	Yes	Yes	No	Low	No	Unstable	Yes	No	Low	High
1741	STUB6078	0.00	0.00	1	32,198	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1742	STUB6082	0.00	0.00	10	43,778	12/17/2004	8/16/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1746	STUB6089	0.00	0.00	1	51,963	11/20/2010		2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1747	STUB6091	0.00	0.00	13	38,945	12/17/2004	12/17/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1749	STUB6099	0.00	0.00	1	53,627	12/17/2004	7/21/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1751	STUB6110	12.79	12.79	2	42,201	3/13/2007	3/2/2015	2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1753	STUB6157	0.00	0.01	32	35,078	10/8/2007	5/31/2012	2019	2018	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
1755	STUB6173	0.00	0.00	6	44,327	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1758	STUB6186	0.00	0.00	3	46,513	8/9/2012	8/11/2014	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1759	STUB6190	0.00	0.00	5	49,592	12/17/2004	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
1760	STUB6203	0.00	0.00	3	44,520	12/17/2004	5/14/2010	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1762	STUB6244	0.00	0.01	47	47,999	12/17/2004	3/14/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1763	STUB6265	0.76	0.76	7	47,047	11/22/2008	12/10/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1772	STUB6320	0.00	0.01	36	41,371	9/20/2008	12/17/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1773	STUB7078	3.57	3.57	4	46,433	11/19/2010	6/15/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1775	STUB7099	0.00	0.00	2	44,498	12/17/2004	5/5/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	No	Medium	High
1776	STUB7540	0.00	0.00	5	43,825	12/17/2004	8/11/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1777	STUB7554	2.10	2.10	3	47,929	12/17/2004	8/30/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1778	STUB7555	0.00	0.00	2	46,679	12/17/2004	8/30/2011	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1782	STUB7838	0.00	0.00	8	34,241	10/4/2005	12/16/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1783	STUB7911	0.05	0.06	20	55,729	1/25/2006	12/16/2010	2017	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	No	Low	Low
1785	STUB7941	0.00	0.00	8	50,016	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1786	STUB7942	0.00	0.00	2	50,016	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
1787	STUB7976	0.00	0.01	36	45,315	2/9/2007	9/9/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1788	STUB7977	0.00	0.01	63	41,724	2/9/2007	9/9/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1792	STUB8270	0.00	0.00	1	46,518	12/17/2004	4/21/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1794	STUB8383	0.00	0.01	5	39,241	5/1/2006	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1806	STUB8695	0.00	0.00	1	49,228	3/14/2006	8/16/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1807	STUB8696	0.00	0.00	3	45,739	3/14/2006	8/24/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1808	STUB8704	0.00	0.00	1	44,331	10/10/2007	7/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	Low
1809	STUB8706	0.00	0.01	29	45,570	10/10/2007	11/23/2013	2020	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	No	Medium	High
1810	STUB8717	0.00	0.00	1	42,994	10/30/2007	8/19/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1818	STUB8955	0.00	0.01	60	49,336	5/7/2008	2/9/2012	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1819	STUB9073	0.00	0.01	21	26,477	12/12/2008	1/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1820	STUB9146	0.00	0.00	2	22,662	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1821	STUB9935	0.41	0.41	1	50,006	12/18/2008	6/15/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1822	STUB9947	0.00	0.00	4	46,602	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1824	STUB9953	0.00	0.00	1	44,702	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1825	X10142	0.00	0.00	18	21,585	6/21/2010	8/7/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1826	X10781	0.00	0.01	17	51,389	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
1827	X11102	0.00	0.02	82	41,572	6/25/2008	10/6/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1829	X11133	0.00	0.00	20	18,546	5/18/2012		2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1830	X11134	0.00	0.00	19	20,166	5/18/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1831	X11160	0.00	0.00	12	40,544	8/4/2008		2018	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1832	X11258	0.00	0.01	38	24,738	8/10/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1833	X6335	0.00	0.00	25	42,697	12/17/2004	3/1/2013	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1834	X6337	0.00	0.01	17	55,958	12/17/2004	12/16/2010	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1835	X6338	16.66	16.66	10	47,772	12/17/2004	12/16/2010	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1836	X6341	16.09	16.09	1	49,575	7/30/2012		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1837	X6342	16.66	16.66	9	49,575	12/17/2004	12/16/2010	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1838	X6378	0.00	0.00	21	28,286	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
1839	X6379	0.00	0.19	1002	48,101	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1840	X6381	0.00	0.12	623	43,606	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1841	X6384	0.00	0.00	26	40,231	12/17/2004	9/23/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1842	X6387	0.01	0.01	26	42,846	2/1/2012		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1845	X6395	0.00	9.60	209	26,772	12/17/2004	3/2/2015	2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1848	X6428	0.00	0.18	949	42,400	12/17/2004	9/9/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1852	X6429	0.00	0.01	16	52,842	12/17/2004	9/18/2014	2021	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1853	X6430	0.00	0.01	104	39,489	12/17/2004	9/26/2014	2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1854	X6434	0.00	0.01	29	50,986	2/1/2012	12/4/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1855	X6435	0.00	0.01	51	24,918	12/17/2004	9/26/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1858	X6458	0.00	0.02	132	41,398	6/25/2008	10/6/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1860	X6460	17.65	19.28	8729	45,240	12/17/2004	10/6/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1861	X6461	0.00	0.01	56	43,903	7/21/2008	10/6/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1862	X6463	0.00	0.01	54	48,766	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1863	X6466	0.00	0.04	255	44,400	12/17/2004	3/2/2015	2022	2020	ECDA	Yes	No	No	Low	No	Stable	Yes	No	Medium	High
1864	X6475	0.00	0.03	151	43,246	12/17/2004	10/15/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1865	X6485	3.86	3.86	8	42,754	12/17/2004	8/2/2011	2018	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1866	X6486	0.00	0.00	8	44,157	12/17/2004		2023	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1867	X6511	0.00	0.35	2145	45,128	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1868	X6526	0.00	0.26	1382	39,401	12/17/2004	6/15/2012	2016	2016	ECDA	Yes	No	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
1869	X6533	0.00	0.04	198	51,723	12/17/2004	7/17/2014	2018	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1870	X6537	0.00	0.00	6	41,803	10/19/2011		2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
1871	X6538	0.00	0.00	6	41,150	10/19/2011		2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1872	X6557	18.30	18.30	8	41,115	12/17/2004	11/5/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1874	X6559	0.00	0.01	14	32,957	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1879	X6896	0.00	0.01	18	56,976	12/17/2004	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1880	X6916	0.00	0.00	12	49,676	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1881	X6923	0.00	0.00	5	38,624	9/17/2009	10/9/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1882	X6924	0.00	0.00	5	38,838	9/17/2009	10/9/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1883	X6989	0.00	0.03	141	34,365	12/17/2004	9/22/2014	2021	2020	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	No	Yes	No	Medium	High
1884	X7082	0.00	0.04	214	51,723	12/17/2004	7/17/2014	2018	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1885	X7588	0.00	0.00	1	52,689	8/28/2009	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Low	High
1886	X7589	0.00	0.00	1	46,418	8/28/2009	3/1/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Low	Low
1887	X7781	0.02	0.04	79	46,719	12/17/2004	9/23/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1888	X8170	0.00	0.04	217	37,758	5/1/2006	8/8/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1889	X8309	0.00	0.01	50	31,358	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1892	X8828	0.00	0.01	45	36,867	9/25/2007	10/27/2012	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1893	X9011	0.00	0.01	46	39,032	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
1899	131	50.54	50.54	7	31,663	12/17/2004	9/12/2014	2018	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1900	131	50.70	55.11	25523	47,647	12/17/2004	9/12/2014	2021	2021	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1902	300B	450.81	451.05	1804	47,550	12/17/2004	3/2/2013	2020	2020	ILI	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
1910	021E	64.51	64.54	153	26,050	3/16/2006	12/5/2012	2018	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1913	153	0.00	0.00	5	67,218	6/26/2012	7/14/2014	2021	2021	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1917	002	142.22	142.70	2685	43,851	12/31/2013		2023	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1918	0123-01	0.00	0.07	363	51,561	12/31/2013		2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1927	0401-10	0.00	0.01	18	54,007	12/31/2013		2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1929	050A	7.28	7.61	1957	39,177	9/22/2010		2020	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1935	0618-10	0.81	1.47	3586	38,035	8/28/2013		2023	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1938	0806-01	0.00	0.02	150	51,516	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	Low
1940	0817-01	0.44	1.30	4608	51,027	12/17/2004	7/17/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1946	101	34.28	34.30	126	48,724	12/31/2013	12/1/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1947	103	19.51	19.54	1025	32,353	2/13/2013		2023	2021	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
1954	108	39.00	39.46	2457	31,335	12/17/2004	8/16/2014	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1961	109	16.01	16.76	4084	40,798	12/17/2004	7/16/2009	2023	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1967	109	32.25	32.66	2586	56,233	12/17/2004	9/23/2014	2021	2016	ILI, SCCDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
1968	111A	8.38	8.64	1549	50,516	2/19/2013		2023	2021	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1972	111A	25.28	25.62	1817	33,311	12/17/2004		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1973	111A	25.99	26.32	1735	33,311	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1974	111A	23.84	24.33	2591	25,496	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1975	111A	26.98	27.61	3346	36,780	12/17/2004		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1976	111A	22.45	22.77	1660	25,496	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
1979	114	9.04	10.88	9764	28,530	12/17/2004	5/28/2014	2021	2021	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1981	118B	7.90	8.31	2121	45,512	12/17/2004	10/27/2012	2023	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
1983	118B	14.40	15.00	3280	16,757	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1984	118D	81.60	81.92	1692	41,102	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
1985	119A	16.44	16.46	34	53,837	12/31/2013	2/19/2016	2023	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Low	High
1987	119B	8.61	8.61	9	28,979	10/29/2012		2022	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1988	1202-02	2.00	2.39	2057	39,951	12/31/2013		2023	2022	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
1999	138	38.36	38.81	2355	36,891	12/17/2004	12/13/2010	2023	2017	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2009	1501-01	4.55	4.80	1282	45,113	12/31/2013		2023	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2013	1520-01	0.33	0.49	822	41,189	12/31/2013		2023	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
2027	153-7	0.01	0.37	1935	36,478	12/31/2013		2023	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2028	1603-01	1.31	1.93	3214	49,737	12/31/2013		2023	2018	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2032	1615-01	1.16	1.31	799	39,522	12/31/2013		2023	2018	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2033	1619-01	0.36	1.47	6025	47,176	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2036	1626-01	0.10	3.20	16809	50,890	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2037	167	29.45	29.66	1116	41,724	11/7/2012		2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2039	173	15.49	15.72	927	25,943	12/31/2013		2023	2017	ILI	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
2040	173-8	1.55	1.69	702	34,273	12/31/2013		2023	2020	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2046	1816-15	5.81	5.89	442	53,336	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
2048	181A	16.60	16.70	576	34,747	11/26/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2049	181B	6.78	7.06	1476	47,022	11/27/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	Low
2051	186	26.41	26.52	669	46,164	12/31/2013		2023	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2057	195A3-1	0.04	0.33	1501	52,808	12/31/2013		2018	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2059	196B-1	1.49	1.67	905	41,082	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	Low
2060	197B	4.79	4.88	495	42,327	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	No	Medium	High
2061	210A	25.34	25.62	1528	65,576	10/4/2007	9/29/2011	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2062	210C	32.09	32.11	115	53,234	12/17/2004	11/21/2013	2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2063	215	19.71	19.85	760	39,125	12/31/2013		2019	2016	ILI, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2064	222	0.00	0.09	492	29,112	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2076	300B	343.71	344.91	6645	41,829	12/31/2013	12/8/2014	2018	2018	ILI, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Stable	Yes	Yes	Medium	High
2081	304	0.00	0.12	1051	47,040	12/31/2013		2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2082	331A	0.75	0.96	1160	35,613	12/31/2013		2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2083	331B-2	0.70	0.76	317	37,343	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2084	400-6	0.00	0.19	948	38,020	12/20/2012		2022	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2085	401	323.24	323.89	3190	55,915	12/31/2013		2023	2022	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	Stable	Yes	Yes	Medium	High
2087	7216-03	5.02	5.27	1323	16,862	1/15/2013		2023	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2088	7216-03	10.98	11.62	3380	36,657	1/22/2013		2023	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2089	7221-10	15.38	15.56	930	42,467	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2092	BD10632	0.00	0.00	2	35,331	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2093	BD10633	0.00	0.00	3	39,411	12/31/2013		2023	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2094	BD11251	0.00	0.00	26	39,859	11/5/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Low	High
2095	BD11252	0.00	0.00	20	42,365	11/5/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Low	High
2096	BD11253	0.00	0.00	22	35,870	11/5/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2097	BD11254	0.00	0.00	23	35,870	11/5/2012		2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2100	BD13541	0.00	0.02	150	27,038	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2101	BD13542	0.00	0.03	159	27,308	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2102	BD14338	0.00	0.00	3	40,299	12/31/2013		2021	2021	ECDA, Hydrotest	Yes	No	No	High	No	No	Yes	Yes	Medium	High
2110	BD15081	0.00	0.00	11	19,715	11/20/2012		2022	2021	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
2112	BD8551	0.00	0.00	2	50,016	12/31/2013		2023	2021	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2113	BD9178	0.00	0.01	85	37,359	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2114	DCUST1755	0.10	0.16	251	43,141	12/31/2013		2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2115	DCUST8825	0.00	0.10	240	49,277	12/31/2013		2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2116	DF13782	0.00	0.02	93	27,995	2/14/2013		2023	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2117	DF14641	0.00	0.00	20	29,676	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2118	DF14749	0.00	0.00	8	25,945	12/31/2014		2024	2023	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
2119	DF3222	0.00	0.00	1	38,929	12/31/2013		2023	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2120	DF3305	0.00	0.00	11	41,904	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2121	DF3334	0.00	0.00	4	44,157	12/17/2004	7/21/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2123	DF3428	17.83	17.85	116	43,691	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
2124	DF3449	0.00	0.00	5	36,097	12/31/2013		2021	2021	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	Low
2125	DFDS13557	0.00	0.01	22	36,690	12/4/2012		2022	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2126	DFDS13846	0.00	0.05	276	32,622	12/17/2004		2022	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2127	DFDS3543	0.00	0.00	20	55,986	8/28/2012	3/1/2013	2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2128	DFDS3617	0.00	0.00	7	33,136	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2129	DREG3834	0.00	0.03	137	52,116	12/31/2013		2023	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2131	DREG4888	0.00	0.02	173	36,631	12/31/2013		2023	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2132	DREG5465	0.00	0.01	37	41,873	12/31/2013		2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2133	DRIP8710	0.00	0.02	106	37,808	12/31/2013		2023	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2135	GCUST5748	1.72	1.94	1196	42,006	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2136	GCUST5783	0.41	0.59	900	36,019	12/31/2013		2023	2022	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2138	GCUST5872	0.09	0.14	267	52,272	12/31/2013		2023	2022	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Stable	Yes	No	Medium	Low
2139	GCUST5872	0.14	0.16	108	39,290	12/31/2013		2023	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	No	Yes	No	Medium	Low
2140	GCUST5872	0.16	0.17	20	35,144	12/31/2013		2023	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Stable	Yes	No	Medium	Low
2141	GCUST5923	0.16	0.21	301	29,348	12/31/2013		2019	2017	ECDA, Hydrotest	Yes	No	No	High	No	No	Yes	No	Medium	High
2142	GCUST5943	0.00	0.04	227	46,239	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2174	STUB10219	0.00	0.00	4	45,762	12/31/2013		2023	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2175	STUB10225	0.00	0.00	1	37,682	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2176	STUB10277	0.00	0.00	6	34,768	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2177	STUB11164	0.00	0.00	5	36,577	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2179	STUB11358	0.00	0.01	63	42,808	11/7/2012	4/23/2015	2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Low	High
2180	STUB13547	0.00	0.00	2	52,118	12/17/2004		2020	2016	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
2181	STUB13549	0.00	0.00	1	48,327	12/17/2004	9/26/2014	2021	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2183	STUB13871	0.00	0.01	5	26,299	8/28/2012		2023	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2184	STUB13906	0.00	0.00	2	44,604	12/17/2004	10/6/2012	2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2185	STUB14012	0.00	0.00	1	49,145	11/14/2010		2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Low	High
2186	STUB14061	0.00	0.00	2	22,220	12/17/2004	5/19/2010	2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2187	STUB14125	0.00	0.01	35	31,738	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2188	STUB14127	0.00	0.01	37	28,966	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2189	STUB14177	0.00	0.01	41	35,079	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2190	STUB14293	0.00	0.00	2	53,347	12/17/2004	7/17/2014	2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2191	STUB14320	0.00	0.00	11	16,516	12/31/2013		2023	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2192	STUB14409	0.00	0.02	105	42,541	12/31/2013		2023	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2193	STUB14492	0.00	0.01	57	44,981	12/31/2013		2023	2022	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Low	High
2194	STUB14496	0.00	0.01	70	42,374	12/31/2013	2/28/2014	2021	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2195	STUB14516	0.01	0.01	37	43,224	12/31/2013		2024	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2197	STUB14725	0.00	0.00	20	28,040	12/17/2004	9/29/2011	2018	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2198	STUB14792	0.00	0.00	3	50,319	12/17/2004	7/27/2011	2018	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2199	STUB6107	0.00	0.00	1	41,628	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	No	Yes	No	Medium	High
2200	STUB16250	0.00	0.00	2	45,512	12/31/2013		2023	2022	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2201	STUB6275	0.00	0.00	3	51,690	12/17/2004	10/27/2012	2018	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2202	STUB6295	0.00	0.00	7	41,327	12/31/2013	9/22/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2204	X6477	5.88	5.88	25	49,792	11/26/2012		2022	2021	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2206	X8151	0.00	0.02	83	40,455	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2207	BD14152	0.00	0.00	33	36,570	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2208	DF14154	0.00	0.00	10	35,292	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	No	Medium	High
2209	BD14153	0.00	0.01	36	35,277	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2210	STUB14020	0.00	0.00	2	47,900	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2211	STUB14019	0.00	0.00	2	48,233	12/17/2004	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2213	STUB14442	0.00	0.00	3	38,508	6/24/2009		2022	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2214	BD71	0.00	0.02	107	42,688	12/31/2013		2022	2022	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2215	BD14136	0.00	0.00	6	37,503	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2218	X14254	0.00	0.00	24	33,162	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2219	X14253	0.00	0.00	23	34,454	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2220	138E	0.04	0.33	1517	32,001	9/15/2009		2022	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2222	BD361	0.00	0.01	69	39,196	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2223	BD361	0.00	0.00	2	39,569	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2226	BD16437	0.00	0.00	6	32,712	12/31/2013		2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2227	BD643	0.00	0.02	108	36,475	12/31/2013		2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2228	BD67	0.00	0.00	3	40,108	11/22/2010		2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2229	BD67	0.00	0.00	7	33,191	11/22/2010		2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
2232	STUB8102	12.05	12.05	13	38,136	12/31/2013		2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2233	DREG3784	0.00	0.04	201	37,249	12/31/2013		2023	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2235	DREG3867	0.00	0.03	166	51,990	12/31/2013		2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2237	STUB14490	0.00	0.00	3	37,339	8/19/2009		2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2239	STUB11332	0.00	0.01	65	29,731	10/23/2012	3/14/2013	2020	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2243	STUB14324	0.00	0.01	41	39,940	12/31/2013		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2245	111A	26.42	26.98	2931	36,780	12/17/2004		2023	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2246	STUB14248	0.00	0.00	16	47,487	12/23/2008	3/2/2015	2022	2022	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2250	GCUST8202	0.00	0.02	41	38,202	12/31/2013		2021	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2251	DREG4845	0.00	0.01	37	32,468	12/31/2013		2023	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
2253	STUB6163	0.00	0.00	5	70,588	12/31/2013		2023	2022	ECDA, ICDA, SCCDA	Yes	Yes	Yes	None	None	Stable	Yes	No	Medium	High
2255	153	27.76	27.88	419	67,218	12/17/2004	10/6/2012	2019	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2259	STUB7534	0.00	0.00	7	44,299	8/9/2013	8/11/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2260	169-101	3.13	3.28	652	22,538	12/2/2008	7/23/2012	2018	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2263	STUB14072	0.00	0.00	1	41,665	12/31/2013		2023	2019	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
2264	STUB9013	0.00	0.01	21	48,190	12/31/2013		2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2265	STUB14317	0.00	0.01	37	17,449	12/31/2013		2023	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2266	STUB13949	0.00	0.00	2	30,602	12/17/2004	5/7/2013	2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2267	DREG5473	0.00	0.01	85	45,690	12/31/2013		2021	2021	ECDA, Hydrotest	Yes	No	No	High	No	No	Yes	No	Medium	High
2269	BD15185	0.00	0.00	3	42,178	6/25/2010		2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
2272	BD13574	0.00	0.00	20	21,010	12/26/2012		2022	2021	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
2274	BD74	12.06	12.07	46	40,484	11/22/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2275	BD80	22.81	22.81	11	41,353	11/14/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2276	BD81	0.00	0.01	29	44,684	11/14/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

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2277	BD83	0.00	0.00	9	44,610	11/14/2010	9/18/2014	2021	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2278	BD8547	16.66	16.67	16	49,467	6/25/2010		2016	2016	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2279	DREG4180	0.70	0.75	258	46,074	3/10/2011	11/29/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2280	DREG4325	0.00	0.06	330	48,530	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2283	GCUST14396	0.00	0.01	8	35,143	5/20/2011		2021	2020	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	None	Unstable	Yes	Yes	Medium	High
2286	X6395	9.60	9.60	8	20,686	12/17/2004	3/2/2015	2022	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2288	3012-01	0.01	0.17	796	38,509	4/22/2014		2020	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
2289	STUB14883	0.00	0.00	7	20,865	4/22/2014		2021	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2290	STUB15153	0.00	0.00	1	35,136	4/22/2014		2020	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2291	002	112.36	112.74	2286	31,705	12/31/2014		2024	2022	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2292	002	143.98	144.38	2104	43,851	12/31/2014		2024	2020	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2293	021B	0.00	0.08	495	35,812	12/31/2014		2019	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2294	050A	2.51	2.52	5	30,602	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Low	High
2298	057A-T1	0.01	0.12	857	40,900	12/31/2014		2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2299	057A-WT	0.54	0.60	372	26,116	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2300	0615-01	0.55	0.58	172	33,839	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
2301	0617-09	0.16	0.28	603	45,164	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	No	Medium	High
2302	0618-10	0.36	0.50	746	37,113	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2303	103	3.91	4.06	571	53,914	12/31/2014		2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2304	108	6.17	6.53	1533	49,111	12/31/2014		2024	2019	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2305	108	13.03	13.36	1720	27,382	12/31/2014		2024	2019	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2306	108	36.98	37.15	832	25,683	12/31/2014		2024	2019	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2307	118B	9.46	9.55	468	41,116	12/31/2014		2024	2020	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2308	1202-15	0.00	0.01	10	50,653	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2309	1207-01	1.96	2.03	333	40,066	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2310	1207-02	0.00	0.07	263	27,199	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2311	126A	10.46	10.56	529	46,203	12/31/2014		2022	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2312	134A	32.45	32.53	424	45,654	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2313	142N-3	0.29	0.42	613	32,697	12/31/2014		2024	2024	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	Low
2314	150	12.47	12.55	361	34,999	12/31/2014		2022	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2315	1501-02	4.53	4.74	999	42,117	12/31/2014		2022	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
2316	1603-01	0.24	0.43	1069	49,737	12/31/2014		2020	2018	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2317	1603-01	2.14	2.16	123	39,210	12/31/2014		2024	2018	ILI	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2318	1603-03	0.20	0.37	797	46,511	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2319	1615-04	3.50	3.63	673	39,279	12/31/2014		2024	2018	ILI	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
2320	1616-01	2.27	2.57	1673	40,627	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2321	162A	7.43	7.54	644	43,881	12/31/2014		2020	2019	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2322	167-30	0.70	0.82	631	19,034	12/31/2014		2024	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	Yes	Medium	Low
2323	1815-02	8.43	8.54	539	40,032	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
2324	1822-01	0.56	0.71	669	46,843	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
2325	187	63.43	63.54	578	47,093	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
2326	1881-01	0.37	0.72	1988	44,370	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	Low
2327	196B-7	0.95	1.02	123	30,922	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	Low
2328	210B	16.27	16.79	2815	49,317	12/31/2014		2024	2019	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2329	210B	23.42	23.92	2085	38,069	12/31/2014		2024	2019	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
2330	300A	127.45	127.92	2537	37,546	12/31/2014		2024	2016	ECDA, SCCDA	Yes	No	Yes	Low	Yes	Unstable	Yes	Yes	Medium	High
2331	300A	273.88	274.19	1593	30,314	12/31/2014		2024	2019	ILI	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
2332	300B	127.42	127.76	1741	48,055	12/31/2014		2019	2016	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2333	300B	154.11	154.55	2381	43,961	12/31/2014		2024	2016	ECDA	Yes	No	No	Low	Yes	Stable	Yes	Yes	Medium	High
2337	316-3	0.19	0.35	852	39,953	12/31/2014		2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2338	401	353.92	354.52	3183	40,542	12/31/2014		2019	2017	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
2339	401	363.43	363.94	2753	32,540	12/31/2014		2019	2019	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
2340	402	37.86	37.99	670	43,282	12/31/2014		2018	2018	ECDA	Yes	No	No	Medium	No	Unstable	Yes	No	Medium	High
2341	7224-01	0.46	0.60	684	51,620	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2342	7224-01	0.88	1.00	761	51,620	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2343	7224-01	1.15	1.24	472	51,176	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2344	BD10134	0.00	0.00	18	45,963	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2345	BD10768	0.00	0.01	34	39,977	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
2346	BD10769	0.00	0.01	34	39,540	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
2347	BD11104	0.00	0.00	3	27,621	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2348	BD11143	0.00	0.01	40	44,022	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2349	BD11144	0.00	0.00	6	37,673	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2350	BD11145	0.00	0.00	7	45,520	12/31/2014		2019	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2353	BD16220	0.00	0.04	235	45,991	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2355	BD269	0.00	0.02	142	49,876	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2356	BD305	0.00	0.00	19	47,582	11/14/2010		2020	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2359	BD685	0.00	0.01	83	30,970	12/31/2014		2024	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2360	BD9354	0.00	0.00	4	48,707	12/31/2014		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2361	BD9355	0.00	0.00	4	48,707	12/31/2014		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2362	BD9965	0.00	0.02	219	40,178	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2363	DCUST2586	0.00	0.01	20	23,369	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2364	DCUST6893	0.00	0.06	307	51,754	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2365	DF11285	0.00	0.01	41	37,096	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2367	DF3262	0.00	0.00	9	40,982	12/31/2014		2024	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2368	DF3307	0.00	0.00	3	37,745	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
2369	DF3320	0.00	0.00	6	37,743	12/31/2014		2024	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2370	DF3341	0.00	0.00	4	49,606	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2371	DF3425	0.00	0.00	7	40,781	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2372	DF3490	0.00	0.00	4	50,917	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2373	DF3523	0.00	0.00	5	39,705	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2374	DF8849	0.00	0.00	6	28,768	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2375	DFDS3587	0.00	0.01	62	46,395	12/31/2014		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2376	DREG3779	0.00	0.02	80	46,908	12/31/2014		2022	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	None	Unstable	Yes	Yes	Medium	High
2377	DREG3781	0.00	0.02	82	43,314	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2378	DREG3795	0.00	0.01	46	35,201	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2379	DREG3827	0.00	0.01	37	40,634	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2380	DREG3839	0.00	0.01	52	44,701	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2381	DREG4198	0.00	0.04	290	52,184	12/31/2014		2022	2022	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2382	DREG4224	0.00	0.01	21	44,584	12/31/2014		2022	2021	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Low	High
2383	DREG4260	0.01	0.09	469	50,539	12/31/2014		2024	2021	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2384	DREG4260	0.20	0.30	558	48,848	12/31/2014		2024	2021	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
2385	DREG4287	0.00	0.02	87	42,437	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2386	DREG4310	0.64	1.42	4224	40,448	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2388	DREG4345	0.00	0.02	88	42,561	12/31/2014		2024	2022	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2389	DREG4421	0.00	0.01	67	40,039	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2390	DREG4436	0.00	0.08	349	50,975	12/31/2014		2024	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2391	DREG4720	0.00	0.03	180	43,411	12/31/2014		2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2392	DREG4866	0.00	0.02	89	41,111	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2393	DREG4904	0.00	0.01	40	21,396	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2394	DREG5091	0.00	0.01	114	40,800	12/31/2014		2022	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2395	DREG5148	0.00	0.02	63	46,407	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2396	DREG5418	0.00	0.02	69	48,734	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
2397	DREG5638	0.00	0.01	42	36,750	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2398	DREG5646	0.00	0.05	268	41,570	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2399	DRIP8711	0.00	0.00	30	43,821	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2400	DRIP8712	0.00	0.00	33	46,262	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2401	DRIP8840	0.00	0.00	10	50,364	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2402	GCUST5786	0.00	0.01	59	51,849	12/31/2014		2022	2022	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2403	GCUST5800	0.95	0.99	214	33,494	12/31/2014		2024	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2404	GCUST5809	0.42	0.52	563	33,595	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2405	GCUST5876	0.00	0.03	145	38,168	12/31/2014		2022	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
2406	GCUST8795	0.69	0.84	783	31,304	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2408	STUB11305	0.00	0.01	44	28,535	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2409	STUB13606	7.02	7.02	5	51,942	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2410	STUB13607	7.02	7.02	22	54,638	12/31/2014		2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2412	STUB14941	0.00	0.00	2	20,569	12/4/2008	8/1/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2413	STUB15078	0.04	0.04	3	47,499	10/5/2010	8/28/2012	2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2415	STUB15420	0.00	0.00	2	46,953	12/17/2004	8/8/2014	2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
2416	STUB6117	0.00	0.01	30	53,333	12/31/2014		2020	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2417	STUB6288	0.00	0.00	4	48,828	12/31/2014		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2418	STUB7837	0.00	0.00	2	45,055	12/31/2014		2022	2021	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2419	STUB8216	0.00	0.04	237	41,504	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2420	X6340	13.72	13.72	13	25,440	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
2421	X6459	0.00	0.01	73	31,201	12/31/2014		2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2422	X6930	0.00	0.02	43	55,596	12/31/2014		2019	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2425	167	34.61	34.63	19	48,106	9/22/2010	5/1/2012	2019	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Low	High
2426	DREG5574	0.00	0.01	31	29,204	12/31/2014		2022	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2427	220	23.03	23.91	5135	45,992	12/17/2004	10/14/2013	2020	2020	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2428	138E	0.45	1.14	3638	32,769	12/17/2004		2022	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2430	3017-01	0.94	0.95	60	34,226	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
2431	DREG9001	0.32	0.62	1692	41,098	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2432	X6486	0.00	0.00	9	30,634	12/17/2004		2023	2017	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2433	109	28.61	28.69	451	27,535	12/17/2004		2018	2018	ILI, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2434	002	122.14	123.10	5639	45,273	12/17/2004	7/13/2013	2020	2020	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2435	021C	35.05	35.44	2830	52,653	12/17/2004	3/1/2013	2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2436	021C	53.11	53.12	36	39,917	12/17/2004	12/16/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2438	057A	16.70	16.70	16	26,658	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2439	100	138.43	138.46	125	52,118	12/17/2004	12/10/2013	2017	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2440	100	150.14	150.14	43	37,622	6/1/2012		2022	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2441	101	11.61	32.50	114738	58,007	12/17/2004	7/28/2015	2022	2022	ILI, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
2442	105B	0.00	0.02	94	46,524	12/17/2004	7/27/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2443	105B	11.75	11.81	324	52,716	12/17/2004	12/10/2013	2020	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2444	105N	6.90	7.76	4437	62,569	12/17/2004	12/14/2012	2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2445	108	37.15	37.19	390	37,040	12/31/2014		2018	2018	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2446	114	28.97	32.93	20775	48,210	12/17/2004	11/17/2015	2022	2022	ILI, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2447	119A	8.84	9.69	4342	53,837	12/17/2004	4/16/2010	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2449	119B	10.16	10.16	8	49,831	11/6/2012		2022	2016	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Low	High
2450	1202-16	2.42	2.59	743	58,613	12/17/2004	12/13/2010	2017	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2451	132	38.40	38.41	52	60,940	12/17/2004	9/26/2014	2021	2021	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2452	138	45.08	45.14	343	41,834	12/17/2004	12/13/2010	2017	2016	ILI, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2453	142S	4.51	8.98	23835	52,127	12/17/2004	9/14/2011	2018	2018	ILI	Yes	No	No	Medium	No	Unstable	Yes	Yes	Medium	High
2455	210B	25.97	25.98	30	63,094	12/31/2013		2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2458	300A	450.83	450.85	190	55,307	12/17/2004	7/17/2014	2017	2017	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2459	300A	502.23	502.24	147	48,472	12/17/2004	9/18/2014	2018	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2462	300B	502.63	502.64	155	44,826	12/17/2004	1/16/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
2463	0607-02	0.00	0.51	2675	43,784	12/17/2004	8/19/2014	2021	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2465	191	3.86	3.88	112	47,821	12/17/2004	5/7/2013	2018	2017	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
2466	191	3.88	10.07	33359	48,820	12/17/2004	5/7/2013	2018	2017	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2470	300A	156.39	157.01	3248	52,360	12/17/2004	10/15/2013	2018	2016	ECDA, SCCDA, Hydrotest	Yes	No	No	High	Yes	Unstable	Yes	Yes	Medium	High
2471	131	57.51	57.55	230	32,570	12/31/2014		2024	2021	ILI	Yes	Yes	No	None	None	Unstable	Yes	No	Low	Low
2472	BD10793	0.00	0.00	5	37,470	12/31/2014		2024	2018	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2473	BD14995	0.00	0.00	13	42,551	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2474	BD15484	0.00	0.01	41	35,260	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2475	BD15487	0.00	0.01	32	35,319	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2476	BD15488	0.00	0.00	25	35,102	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2477	BD15490	0.00	0.01	28	34,809	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2478	BD15491	0.00	0.01	63	35,102	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2479	BD16390	0.00	0.00	5	36,455	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2480	BD16457	0.00	0.00	15	33,875	12/31/2014		2024	2020	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
2482	BD388	0.00	0.00	2	45,656	12/31/2014		2024	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2483	BD9431	26.57	26.57	3	44,753	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	No	Medium	High
2484	BD9433	26.57	26.57	3	44,753	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	No	Medium	High
2485	DF14872	0.00	0.00	14	20,094	12/31/2014		2024	2016	ECDA	Yes	No	No	None	None	No	Yes	No	Medium	High
2486	DF3303	0.00	0.00	11	41,745	12/31/2014		2024	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	None	Unstable	Yes	No	Medium	High
2487	DFDS3542	0.00	0.00	15	47,177	12/31/2014		2024	2018	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2488	STUB14718	0.00	0.00	5	36,515	12/23/2015		2024	2020	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
2489	STUB14723	0.00	0.01	50	28,936	12/31/2014		2024	2019	ILI	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	Low
2490	STUB14977	0.00	0.03	136	42,597	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2491	STUB15028	0.00	0.01	63	33,181	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Low	Low
2492	STUB15151	0.00	0.00	1	49,289	12/31/2014		2024	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2493	STUB15152	0.00	0.00	1	49,289	12/31/2014		2024	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2494	STUB15159	0.00	0.01	52	41,495	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2495	STUB15468	0.00	0.01	37	37,841	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2496	STUB15480	0.00	0.02	83	37,334	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2497	STUB15492	0.00	0.01	50	39,832	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2498	STUB16188	0.00	0.00	1	37,563	12/31/2014		2024	2020	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Stable	Yes	No	Medium	High
2499	STUB16474	0.00	0.01	46	40,139	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2500	STUB6108	0.00	0.00	2	45,512	12/31/2014		2024	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2501	STUB7009	0.00	0.00	20	45,289	12/31/2014		2024	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2502	STUB8530	1.42	1.42	10	39,861	12/31/2014		2024	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2503	X15485	0.00	0.00	13	35,184	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2504	X15486	0.00	0.01	48	36,939	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2505	X15489	0.00	0.01	36	35,394	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2508	050A	33.67	34.19	2772	44,785	12/17/2004	5/1/2012	2017	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2509	1870-01	0.00	0.10	542	45,681	12/31/2014		2024	2019	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	No	Yes	No	Medium	Low
2510	196B-7	0.95	1.00	191	30,922	12/31/2014		2024	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	Low
2527	BD103	0.00	0.01	41	40,364	12/31/2014		2024	2021	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2529	BD117	0.00	0.00	3	37,582	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2530	BD205	0.00	0.00	41	36,216	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2531	BD9461	0.00	0.00	13	48,883	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
2532	BD9462	0.00	0.00	3	49,109	12/31/2014		2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
2533	DCUST1169	0.00	0.02	1	48,352	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2534	DF3218	0.00	0.00	4	40,874	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2535	DF3257	0.00	0.00	3	43,345	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2536	DFDS3539	0.00	0.00	7	47,612	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2537	DREG3788	0.00	0.01	6	46,006	12/31/2014		2022	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2538	DREG3829	0.00	0.02	1	37,382	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2539	DREG4119	0.00	0.00	4	36,717	12/31/2014		2024	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2540	GCUST5840	0.00	0.02	66	44,625	12/31/2014		2022	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2541	STUB10922	0.00	0.01	1	48,887	12/31/2014		2020	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2542	STUB6104	0.00	0.00	1	53,652	12/31/2014		2022	2020	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2543	STUB6162	0.00	0.00	1	46,370	12/31/2014		2024	2020	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2544	STUB6174	0.00	0.00	1	44,725	12/31/2014		2024	2018	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2545	X7564	0.00	0.00	12	50,459	12/31/2014		2020	2019	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2546	316-23	0.01	0.05	261	36,004	12/31/2014		2024	2023	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2549	057A-WT	0.62	0.69	362	6,540	12/31/2014		2024	2020	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2550	STUB13632	0.00	0.00	1	40,522	12/28/2015		2025	2025	ECDA, Hydrotest	Yes	No	No	High	No	No	Yes	No	Medium	High
2552	STUB8148	0.00	0.00	1	43,008	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2553	STUB10272	0.00	0.00	0	32,451	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2554	0112-06	0.00	0.00	0	46,979	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2555	DCUST7729	0.00	0.02	91	28,351	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2556	DFDS6819	0.00	0.00	4	33,195	12/29/2015		2025	2025	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
2557	002	103.05	103.38	1734	35,470	12/29/2015		2025	2025	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2558	002	157.74	158.00	427	49,240	12/29/2015		2025	2025	ILI, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2559	0117-01	0.00	0.00	1	42,183	12/23/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2560	0141-01	0.24	0.42	1229	52,263	12/23/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
2561	0214-01	0.00	0.00	0	45,360	12/23/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2562	021H	11.96	12.05	224	38,711	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2563	0401-01	3.56	3.63	375	41,499	12/23/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
2564	050A	2.70	2.94	1648	30,613	12/24/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2565	050A	5.05	5.35	1304	37,458	12/24/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2566	0600-01	0.52	0.56	210	40,169	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2567	0602-01	0.07	0.10	189	50,875	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	High
2568	0608-01	0.00	0.15	863	48,092	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
2569	0618-03	3.48	3.53	281	45,057	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
2570	0621-01	0.00	0.07	308	52,144	12/28/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2571	0804-03	0.00	0.03	164	60,431	12/30/2015		2025	2025	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2572	0820-01	0.41	0.52	538	21,377	12/24/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2573	108	59.10	59.10	9	33,011	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2574	114	16.75	16.86	563	48,210	12/31/2015		2025	2025	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2575	118A	61.33	61.42	4	56,401	12/28/2015		2025	2025	ILI, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2576	118B	8.62	8.78	717	38,778	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2577	118D	83.37	83.58	1104	46,704	12/31/2015		2025	2025	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	No	Yes	No	Medium	High
2578	119A-2	0.00	0.00	3	47,390	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2579	119B	8.84	9.02	860	31,897	12/30/2015		2025	2025	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2580	1202-01	0.95	1.01	349	42,192	12/23/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2581	1202-08	0.00	0.00	15	47,255	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
2582	1205-02	0.30	0.36	381	44,349	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2583	131	16.58	16.70	620	32,766	12/31/2015		2025	2025	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2584	131	41.09	41.30	1002	38,504	12/31/2015		2025	2025	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2585	132	34.16	34.41	1321	60,940	12/31/2015		2025	2025	ILI, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2586	132	35.35	35.79	1354	60,940	12/28/2015		2025	2025	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2587	134A	30.23	30.31	456	31,597	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2588	134B	3.14	3.34	1107	31,636	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2589	150	15.81	16.37	3053	54,237	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2591	1613-05	0.02	0.06	511	45,484	12/24/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2592	1613-06	1.37	1.42	247	42,568	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2593	1813-02	11.10	11.33	1200	46,814	12/28/2015		2025	2025	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	Low
2594	1815-02	15.03	15.15	661	46,609	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2595	1815-02	15.48	15.62	823	46,609	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2596	1816-01	14.93	15.07	788	38,865	12/28/2015		2025	2025	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2597	1816-20	0.00	0.01	54	42,483	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2598	1880-08	0.00	0.02	206	40,575	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
2599	197A	27.89	28.08	993	29,657	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2600	200A-3	1.07	1.13	328	43,634	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2601	2408-11	0.17	0.36	1026	40,973	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2602	300B	283.25	283.72	2624	28,600	12/29/2015		2025	2025	ILI	Yes	No	No	Low	No	Stable	Yes	Yes	Medium	High
2603	300B	458.91	459.36	2481	43,695	12/30/2015		2025	2025	ILI, SCCDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
2604	300B	464.26	464.61	1931	44,332	12/30/2015		2025	2025	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2605	301C	17.21	17.27	338	45,682	12/26/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2606	352	12.65	13.43	10305	20,799	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	None	None	No	Yes	No	Medium	High
2607	7202-02	0.00	0.00	0	43,923	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2608	7205-01	1.21	1.30	612	45,244	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2609	7209-01	2.04	2.15	577	36,276	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2610	7224-01	0.00	0.21	1014	51,620	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2611	7225-01	1.48	1.53	250	47,160	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
2612	8807-01	0.00	0.01	23	48,338	12/29/2015		2025	2025	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2613	BD10206	0.00	0.00	3	36,923	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2614	BD105	0.00	0.00	2	46,907	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2615	BD10791	0.00	0.00	1	40,225	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	Low
2616	BD11345	0.00	0.00	1	39,872	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2617	BD11480	0.00	0.00	1	51,111	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2618	BD115	0.00	0.00	3	42,374	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2619	BD13550	0.00	0.00	0	35,350	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2620	BD13597	0.00	0.00	3	41,617	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2621	BD14513	0.00	0.00	4	38,607	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2622	BD14996	0.00	0.00	0	34,668	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2623	BD15007	0.00	0.00	1	44,964	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2629	BD22169	0.00	0.00	1	49,666	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2630	BD297	0.00	0.00	2	44,320	12/23/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2631	BD45	0.00	0.00	6	45,143	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2632	BD545	0.00	0.03	124	35,738	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
2633	BD632	0.00	0.00	0	51,033	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2634	BD68	0.00	0.03	178	42,935	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
2636	BD79	0.00	0.00	3	46,339	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2637	BD8546	0.00	0.00	2	50,016	12/29/2015		2025	2025	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2638	BD9114	0.00	0.00	26	36,311	12/21/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2639	BD9116	0.00	0.00	2	46,570	12/21/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2640	BD9312	0.00	0.00	0	40,714	12/21/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2643	BD9853	0.00	0.00	1	32,784	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2644	DCUST10553	0.00	0.00	5	49,565	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2645	DCUST11066	0.00	0.00	0	43,162	12/21/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2646	DCUST11420	0.00	0.00	2	48,214	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2647	DCUST1194	0.00	0.00	0	46,283	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2648	DCUST1873	0.00	0.32	1701	40,965	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2649	DCUST2254	0.00	0.00	0	58,473	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2650	DCUST2438	0.00	0.01	71	38,985	12/29/2015		2025	2025	ECDA, Hydrotest	Yes	No	No	High	No	No	Yes	Yes	Medium	High
2651	DCUST2584	0.26	0.71	2381	34,971	12/21/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	Yes	Unstable	Yes	Yes	Medium	High
2652	DCUST7651	0.00	0.00	0	43,424	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Low	High
2653	DCUST7836	0.00	0.03	156	47,465	12/22/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2654	DCUST8541	0.00	0.00	0	48,460	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2655	DCUST9773	0.00	0.00	0	49,676	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2656	DCUST981	0.00	0.00	1	39,279	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2657	DF14754	0.00	0.00	0	30,707	12/24/2015		2025	2025	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	Low
2658	DF16573	0.00	0.02	68	53,141	12/31/2013		2023	2023	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	None	No	Yes	Yes	Medium	High
2660	DF3215	0.00	0.00	8	31,884	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2661	DF3225	0.00	0.00	5	44,862	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2662	DF3228	0.00	0.00	2	49,565	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2663	DF3261	0.00	0.00	0	43,458	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2664	DF3289	0.00	0.00	2	34,744	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2665	DF3337	0.00	0.00	2	48,557	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2666	DF3370	0.00	0.00	1	40,312	12/24/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2667	DF3372	0.00	0.00	3	25,065	12/24/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2668	DF3441	0.00	0.00	10	46,775	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2669	DF3498	0.00	0.00	12	30,672	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2670	DF3515	0.00	0.00	4	43,076	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
2671	DF3525	0.00	0.00	22	39,350	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2672	DF7718	0.00	0.01	5	37,118	12/28/2015		2025	2025	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
2673	DF8152	0.00	0.00	12	39,715	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2674	DF8153	0.00	0.01	45	40,511	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

Assessment Plan
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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2675	DF8158	0.00	0.03	139	46,736	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2676	DFDS10554	0.00	0.00	21	48,761	12/28/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2677	DFDS10651	0.00	0.00	0	46,274	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
2678	DFDS13923	0.00	0.00	0	28,747	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2679	DFDS13998	0.00	0.00	20	41,714	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2680	DFDS14008	0.00	0.00	1	38,793	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2681	DFDS14035	0.00	0.00	0	42,533	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2682	DFDS3562	0.00	0.00	2	49,076	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Low	High
2683	DFDS3572	0.00	0.00	2	56,407	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2684	DFDS3576	0.00	0.00	3	35,022	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2685	DFDS3626	0.00	0.00	1	43,530	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2686	DFDS3632	0.00	0.00	6	49,418	12/30/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2687	DFDS3649	0.00	0.00	1	50,035	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2688	DFDS3651	0.00	0.00	1	45,814	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2689	DFDS3654	0.00	0.00	1	42,166	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2690	DFDS7722	0.00	0.01	42	40,905	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
2692	DREG3740	0.00	0.00	0	40,755	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2693	DREG3760	0.00	0.01	38	42,158	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2694	DREG3762	0.00	0.00	11	51,578	12/29/2015		2025	2025	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Medium	Yes	Stable	Yes	Yes	Low	Low
2695	DREG3773	0.00	0.01	51	38,629	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2697	DREG3828	0.00	0.00	0	42,874	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2699	DREG3890	0.00	0.00	0	51,370	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2700	DREG4089	0.00	0.05	229	54,677	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2701	DREG4093	1.55	1.71	848	40,333	12/22/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2702	DREG4106	0.00	0.04	185	44,680	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2703	DREG4161	0.07	0.18	612	25,962	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2704	DREG4280	0.00	0.02	69	43,904	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2706	DREG4312	0.00	0.04	182	41,399	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2709	DREG4453	0.00	0.01	1	47,183	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2710	DREG4466	0.00	0.01	20	47,060	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2711	DREG4796	0.00	0.01	131	43,260	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2712	DREG4814	0.00	0.01	22	45,489	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2714	DREG4867	0.00	0.00	0	39,225	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2715	DREG4873	0.00	0.01	57	45,903	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2716	DREG4874	0.00	0.02	50	45,070	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2717	DREG4900	0.00	0.00	0	42,701	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2718	DREG4921	0.00	0.07	375	44,557	12/22/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2719	DREG4930	0.00	0.00	1	43,355	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	Low
2720	DREG5255	0.00	0.00	6	45,935	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
2721	DREG5290	0.00	0.00	0	45,927	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2722	DREG5300	0.00	0.04	184	46,266	12/22/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
2723	DREG5312	0.00	0.02	31	46,271	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2724	DREG5330	0.00	0.02	92	44,937	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2725	DREG5396	0.00	0.00	0	38,120	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2726	DREG5479	0.00	0.00	8	47,838	12/31/2015		2025	2025	ECDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	No	Medium	High
2727	DREG5483	0.00	0.00	3	36,296	12/29/2015		2025	2025	ECDA, Hydrotest	Yes	No	No	High	No	Unstable	Yes	No	Medium	High
2728	DREG5492	0.00	0.01	8	32,979	12/29/2015		2025	2025	ECDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
2729	DREG5548	0.00	0.00	0	36,111	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2730	DREG8355	0.00	0.00	0	36,777	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2731	DRIP5656	0.00	0.00	0	39,788	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2732	DRIP5728	69.99	70.00	53	50,770	12/23/2015		2025	2025	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
2733	DRIP8713	0.00	0.00	1	44,781	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2734	GCUST5805	0.03	0.07	198	28,750	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2735	GCUST5805	0.07	0.10	186	34,434	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	No	Yes	Yes	Medium	High
2736	GCUST5836	0.00	0.37	1151	38,161	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2737	GCUST5845	0.00	0.08	409	39,856	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2738	GCUST5888	0.00	0.03	152	42,176	12/22/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2739	GCUST5888	0.25	0.54	1474	42,176	12/22/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2740	GCUST5901	0.00	0.00	1	43,089	12/24/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
2741	GCUST5912	70.02	70.13	814	61,301	12/22/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2742	GCUST5956	0.00	0.03	113	40,867	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2743	GCUST7728	0.00	0.02	19	32,081	12/24/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2745	STUB10034	0.12	0.12	0	45,138	12/24/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2746	STUB10053	0.00	0.00	3	44,531	12/24/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2747	STUB10054	0.00	0.00	1	46,614	12/24/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2748	STUB10070	5.92	5.92	0	52,207	12/28/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High

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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2749	STUB10876	0.00	0.01	70	29,226	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2750	STUB10953	0.00	0.00	1	43,670	12/28/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2751	STUB11117	0.00	0.00	0	39,012	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2752	STUB11119	0.00	0.00	1	36,449	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2753	STUB11194	0.00	0.00	5	37,361	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2754	STUB11250	0.00	0.00	0	44,326	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2755	STUB11295	1.42	1.42	1	46,226	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2756	STUB11295	1.42	1.42	0	46,226	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2757	STUB11366	0.00	0.01	57	25,873	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2758	STUB11487	0.00	0.00	1	37,042	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2759	STUB13555	0.00	0.00	1	45,279	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2760	STUB13739	0.00	0.00	3	38,812	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2761	STUB14112	0.00	0.00	0	52,890	12/28/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2762	STUB14113	0.00	0.00	0	52,094	12/28/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2764	STUB14373	0.00	0.00	2	52,546	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2765	STUB14678	0.00	0.00	1	41,363	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2766	STUB23029	0.00	0.00	0	34,218	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2767	STUB6032	0.00	0.00	0	48,521	12/23/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2768	STUB6042	0.00	0.00	0	41,286	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2769	STUB6073	0.00	0.00	0	41,438	12/23/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2770	STUB6111	12.81	12.81	9	41,218	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2771	STUB6113	0.00	0.00	4	43,989	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2772	STUB6114	0.00	0.00	2	45,195	12/28/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2773	STUB6137	0.00	0.00	0	47,541	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2774	STUB6151	0.00	0.00	1	47,598	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2775	STUB6164	0.00	0.00	2	49,021	12/23/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2776	STUB6188	0.00	0.00	1	33,964	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	Low
2777	STUB6218	0.00	0.00	1	48,803	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2778	STUB6291	0.00	0.00	5	48,505	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2779	STUB7077	3.56	3.56	0	43,586	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2780	STUB7122	0.00	0.00	1	51,510	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2781	STUB7841	0.00	0.00	0	47,405	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2782	STUB7894	0.00	0.00	1	42,573	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2783	STUB8211	0.00	0.00	1	56,112	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2784	STUB8212	0.00	0.00	1	53,806	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2785	STUB8269	0.00	0.00	0	45,191	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2786	STUB8464	0.00	0.00	16	41,033	12/29/2015		2025	2025	ECDA	Yes	No	No	Low	No	No	Yes	Yes	Medium	High
2787	STUB8743	0.00	0.00	0	40,657	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2788	STUB8904	0.00	0.00	1	47,656	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
2789	STUB8957	0.00	0.00	0	34,563	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2790	STUB9041	0.00	0.00	0	44,145	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
2791	STUB9161	0.00	0.01	61	47,831	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
2792	STUB9175	0.00	0.00	0	47,613	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
2793	STUB9189	0.00	0.02	93	38,631	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2794	STUB9190	0.00	0.01	55	39,165	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2795	STUB9954	0.00	0.00	3	49,515	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2796	STUB9961	0.00	0.00	0	41,261	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2797	X14138	0.00	0.03	174	38,291	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2798	X6333	0.02	0.02	1	55,820	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
2799	X6380	0.00	0.00	0	48,113	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
2800	X6385	0.00	0.00	1	33,153	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2801	X6408	0.00	0.00	15	50,297	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2802	X6446	0.00	0.00	1	47,653	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
2803	X6926	0.00	0.00	1	38,132	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
2804	X9037	0.00	0.01	30	45,812	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2805	X9924	0.00	0.00	0	39,173	12/30/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2806	1303-02	0.00	0.00	1	39,780	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2807	2412-01	0.00	0.00	0	37,759	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2809	3015-01	0.00	0.00	3	41,942	12/29/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	High
2810	DREG6900	0.00	0.00	1	39,064	12/29/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	Low
2811	STUB16180	1.32	1.32	3	53,468	12/17/2004	10/15/2013	2020	2020	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Medium	Yes	Stable	Yes	Yes	Low	Low
2812	STUB15661	0.00	0.00	2	56,403	12/17/2004	10/15/2013	2020	2020	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
2813	STUB16177	0.00	0.00	3	53,468	12/17/2004	5/14/2010	2016	2016	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Medium	Yes	Stable	Yes	Yes	Low	Low
2814	STUB15663	0.00	0.00	2	56,403	12/17/2004	5/14/2010	2016	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2815	STUB16178	0.00	0.00	2	53,468	12/17/2004	5/14/2010	2016	2016	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Medium	Yes	Stable	Yes	Yes	Low	Low
2816	STUB16179	1.32	1.32	2	53,468	12/17/2004	10/15/2013	2020	2020	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Medium	Yes	Stable	Yes	Yes	Low	Low

Assessment Plan
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HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
2817	BD16507	0.00	0.00	3	39,995	12/31/2014		2024	2024	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2818	0617-06	5.22	6.32	5950	57,192	12/17/2004	4/23/2015	2020	2020	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
2819	0617-08	0.00	0.01	53	44,232	12/17/2004	4/16/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2820	132	0.00	0.06	636	43,942	12/17/2004	12/20/2010	2016	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2821	138C	50.01	50.02	47	50,163	12/17/2004	12/13/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
2822	131	50.54	50.70	424	47,647	12/17/2004	9/12/2014	2018	2016	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
2823	1202-21	0.00	0.01	62	44,138	12/17/2004	12/13/2010	2017	2016	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2824	DREG15576	0.00	0.08	390	46,821	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
2829	STUB16522	0.00	0.01	34	29,996	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	High
2830	DREG4878	0.00	0.00	6	67,218	12/31/2015		2025	2025	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	Unstable	Yes	Yes	Medium	High
2832	DF3371	0.00	0.00	6	37,458	12/31/2013		2023	2023	ECDA, ICDA, SCCDA	Yes	Yes	No	None	None	Unstable	Yes	No	Medium	Low
2833	DF3357	0.00	0.00	8	48,557	12/31/2015		2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
L057C-LC	057C	0.26	6.41	32342	26,982	5/1/2008	7/17/2014	2021	2021	ILI, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
L057C-LC	STUB9071	0.00	0.00	45	23,170	5/1/2008	7/17/2014	2021	2021	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
L108-LC	108	56.68	61.67	26787	46,903	9/29/2008		2018	2016	ILI	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
L406-LC	406	0.00	13.83	73214	25,507	11/5/2010	11/15/2013	2020	2020	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

Assessment Plan
Stations

Station Name	Date HCA Identified	HCA Last Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Risk	Planned Assessment Method	EC Threat	IC Threat	SCC Threat	Manufacturing (Seam) Threat	Manufacturing (Body of Pipe) Threat	Construction Threat	TPD Threat	WROF Threat	Equip Threat	IO Threat
Redacted	12/31/2008	8/19/2014	7/22/2021	2020	51,839	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
Redacted	12/31/2008	4/21/2010	4/21/2017	2017	44,349	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
7A/7B(300B)	12/31/2008	7/17/2014	6/27/2021	2020	57,180	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2010	8/29/2014	9/18/2021	2020	53,716	ECDA, ICDA, Hydrotest	Yes	No	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	47,455	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
Redacted	12/31/2008	12/10/2013	10/7/2020	2019	48,898	ECDA, ICDA, Hydrotest	Yes	Yes	No	Medium	Yes	Stable	Yes	No	Medium	High
Redacted	12/31/2011		12/31/2021	2020	46,074	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
Redacted	12/31/2008	2/8/2011	2/1/2018	2017	36,891	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
Redacted	12/31/2008	8/16/2014	8/15/2021	2020	29,028	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	No	Low	High
Redacted	12/31/2012		12/31/2022	2021	39,882	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
Antelope(119, 123)	12/31/2010	8/7/2012	6/5/2019	2018	49,831	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Low	High
Antioch Terminal	12/31/2008	1/16/2010	1/14/2017	2017	49,017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Low	High
Arcata(137B)	12/31/2008	8/7/2012	6/5/2019	2018	53,796	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Bakersfield(142N, 142S)	12/31/2008	8/7/2012	2/2/2018	2017	48,770	ECDA, SCCDA, Hydrotest	Yes	No	No	Medium	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2010	7/21/2014	5/30/2021	2020	41,192	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
Brentwood Terminal	12/31/2008	8/7/2012	6/5/2019	2018	54,535	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Butte(177B,136)	12/31/2008	1/16/2010	1/14/2017	2016	26,643	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Medium	No	No	Yes	No	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	50,152	ECDA, ICDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	28,496	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
Redacted	12/31/2012		12/31/2022	2021	34,335	ECDA, SCCDA	Yes	No	No	Low	No	No	Yes	No	Medium	High
Redacted	12/31/2008	8/7/2012	2/2/2018	2017	35,564	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	32,135	ECDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
Redacted	12/31/2010	8/19/2014	7/22/2021	2020	44,605	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
Cherry Sta(DREG)	12/31/2008	5/12/2014	4/8/2021	2020	38,664	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	No	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	2/2/2018	2017	50,163	ECDA, ICDA, SCCDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2016	35,993	ECDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/8/2014	7/25/2021	2016	51,620	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2016	67,218	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Corning(DREG, 177A)	12/31/2010		12/31/2020	2019	49,209	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2017	40,182	ECDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
Cotati Regulator Pit(1303-01)	12/31/2008	8/7/2012	6/5/2019	2016	49,304	ECDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	43,394	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
Crockett(021H, 105)	12/31/2008	1/16/2010	1/14/2017	2017	45,707	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
Davis(DREG, 116)	12/31/2008	12/10/2013	10/7/2020	2019	53,837	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2014		12/31/2024	2023	38,492	ECDA, Hydrotest	Yes	Yes	No	Low	No	Unstable	Yes	Yes	Medium	Low
Redacted	12/31/2012	8/7/2012	6/5/2019	2017	39,733	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
El Sobrante(DREG)	12/31/2008	4/21/2010	4/21/2017	2017	45,072	ECDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
Enrico	12/31/2014		12/31/2024	2023	47,759	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
Redacted	12/31/2008	4/21/2010	4/21/2017	2016	67,218	ECDA, ICDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2011		12/31/2021	2020	40,671	ECDA, ICDA	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	2/2/2018	2017	44,000	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2010	8/19/2014	7/22/2021	2020	48,644	ECDA, ICDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
Fontanoso(300A)	12/31/2008	2/8/2011	2/1/2018	2017	60,009	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Fresno Gas Load Ctr(111A)	12/31/2008	2/8/2011	2/1/2018	2017	44,592	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
Redacted	12/31/2014		12/31/2024	2023	34,369	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
Redacted	12/31/2014		12/31/2024	2023	36,375	ECDA, SCCDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
Redacted	12/31/2011		12/31/2021	2020	34,582	ECDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	52,193	ECDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
Redacted	12/31/2008	9/18/2014	8/29/2021	2020	48,375	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
Healy(109)	12/31/2012	9/26/2014	9/9/2021	2020	53,801	ECDA, ICDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Herrmann(021H)	12/31/2008	1/16/2010	1/14/2017	2017	53,234	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Hinkley(300B)	12/31/2008	12/10/2013	10/7/2020	2016	52,360	ECDA, ICDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Hollister(301A)	12/31/2008	7/17/2014	6/27/2021	2016	63,749	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2012		12/31/2022	2021	53,940	ECDA, ICDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2010		12/31/2020	2019	57,648	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	45,161	ECDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2017	42,056	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	Yes	Medium	High
Irvington(107)	12/31/2008	2/9/2012	2/9/2017	2017	67,218	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2014		12/31/2024	2023	49,792	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Kern Tap(DCUST, 142N)	12/31/2008	12/10/2013	10/7/2020	2019	41,129	ECDA, SCCDA, Hydrotest	Yes	No	No	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	31,904	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2011	7/17/2014	6/27/2021	2020	39,871	ECDA, ICDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
Redacted	12/31/2008	1/16/2010	1/14/2017	2017	45,992	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
LaCassie(DREG)	12/31/2008	8/7/2012	6/5/2019	2018	32,907	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	Low
Redacted	12/31/2011		12/31/2021	2020	42,557	ECDA, ICDA	Yes	Yes	No	Medium	No	No	Yes	Yes	Low	High
Livingston(DREG, 118A)	12/31/2008	8/7/2012	6/5/2019	2018	51,690	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	49,551	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	46,405	ECDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2013		12/31/2023	2022	51,142	ECDA, ICDA	Yes	Yes	No	Medium	No	Stable	Yes	No	Medium	High
Martin Station (#139)	12/31/2008	9/26/2014	9/9/2021	2020	53,801	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2013	8/7/2012	6/5/2019	2017	48,210	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
McDonald Compressor	12/31/2008	8/7/2012	6/5/2019	2018	52,335	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
McDonald Island Unknown Sta (CP Sta)	12/31/2008	12/10/2013	10/7/2020	2019	52,335	ECDA, ICDA	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	49,451	ECDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

Assessment Plan
Stations

Station Name	Date HCA Identified	HCA Last Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Risk	Planned Assessment Method	EC Threat	IC Threat	SCC Threat	Manufacturing (Seam) Threat	Manufacturing (Body of Pipe) Threat	Construction Threat	TPD Threat	WROF Threat	Equip Threat	IO Threat
Milpitas Terminal(109)	12/31/2008	9/18/2014	8/29/2021	2020	57,549	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	2/2/2018	2017	42,913	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
Napa Y(021H, 021B)	12/31/2008	1/16/2010	1/14/2017	2017	63,094	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
North Sacramento(119A, 119B)	12/31/2008	1/16/2010	1/14/2017	2016	53,837	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Oakland(105N-5, 153-2)	12/31/2011	4/21/2010	4/21/2017	2017	55,262	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2012	9/19/2014	8/29/2021	2020	47,474	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
Orland Tertihart(1004-01)	12/31/2010		12/31/2020	2019	21,963	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2011		12/31/2021	2020	44,529	ECDA, ICDA, SCCDA	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	Low
Palo Alto #1(gcust)	12/31/2014	9/18/2014	8/29/2021	2020	45,377	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
Palo Alto #2 (GCUST, 132)	12/31/2008	9/26/2014	9/9/2021	2020	60,940	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	54,201	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
PLAZA REGULATOR STATION PLAZA 1 (DREG5330)	12/31/2008	1/16/2010	1/14/2017	2017	45,065	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
PLAZA REGULATOR STATION PLAZA 2	12/31/2008	1/16/2010	1/14/2017	2017	45,065	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2017	30,489	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2017	40,377	ECDA, SCCDA	Yes	Yes	Yes	High	No	Unstable	Yes	Yes	Medium	High
Redding Meter and Reg (402)	12/31/2008	8/7/2012	6/5/2019	2018	43,385	ECDA, ICDA, Hydrotest	Yes	No	No	Low	No	Unstable	Yes	No	Medium	High
Region Border(101)	12/31/2008	2/8/2011	2/1/2018	2017	45,564	ECDA, ICDA	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2010	8/7/2012	6/5/2019	2018	8,529	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	No	No	Yes	No	Medium	High
Redacted	12/31/2008	1/16/2010	1/14/2017	2016	35,885	ECDA, ICDA, Hydrotest	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Low	High
Redacted	12/31/2008	12/10/2013	10/7/2020	2019	64,431	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2014		12/31/2024	2023	56,167	ECDA, ICDA, SCCDA	Yes	Yes	Yes	High	No	Stable	Yes	Yes	Medium	High
Sacramento(172A)	12/31/2008	8/19/2014	7/22/2021	2016	53,773	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	12/10/2013	10/7/2020	2019	41,437	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
Salinas_California St(103)	12/31/2012	8/7/2012	2/2/2018	2017	53,914	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
San Andreas(132)	12/31/2012	9/26/2014	9/9/2021	2020	60,940	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
San Francisco Gas Load Ctr(DREG)	12/31/2008	9/26/2014	9/9/2021	2016	55,560	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
San Lorenzo(105N)	12/31/2008	4/21/2010	4/21/2017	2017	47,759	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
San Rafael(021G)	12/31/2008	8/7/2012	6/5/2019	2018	59,486	ECDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	9/18/2014	8/29/2021	2020	55,442	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
Santa Cruz UGS, Rv-B, Rv-C(1818-01)	12/31/2008	12/10/2013	10/7/2020	2016	48,023	ECDA, ICDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	9/22/2014	8/27/2021	2020	46,541	ECDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	No	Medium	High
Redacted	12/31/2008	11/6/2008		2017	47,299	ECDA, ICDA, SCCDA	Yes	Yes	Yes	Medium	Yes	Unstable	Yes	Yes	Medium	High
Santa Rita DFM(2408-05)	12/31/2008	8/7/2012	6/5/2019	2017	52,163	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
Santa Rosa(021E)	12/31/2008	1/16/2010	1/14/2017	2016	49,691	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	46,155	ECDA, ICDA, SCCDA	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	46,953	ECDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	No	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	43,001	ECDA, SCCDA, Hydrotest	Yes	No	Yes	High	No	Unstable	Yes	No	Medium	High
Redacted	12/31/2008	1/16/2010	1/14/2017	2016	52,032	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Low	High
Redacted	12/31/2008	9/26/2014	9/9/2021	2020	48,508	ECDA	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	45,204	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	Yes	Unstable	Yes	Yes	Medium	High
Topock(300A, 300B)	12/31/2008	8/7/2012	6/5/2019	2016	49,114	ECDA, ICDA, SCCDA, Hydrotest	Yes	No	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Tracy	12/31/2013		12/31/2023	2022	47,040	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2011		12/31/2021	2020	48,948	ECDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	7/17/2014	6/27/2021	2020	44,626	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
Turlock(DREG, 7222-01)	12/31/2008	9/22/2014	8/27/2021	2020	47,261	ECDA, ICDA, Hydrotest	Yes	Yes	No	Medium	No	Stable	Yes	Yes	Medium	High
Ukiah(DREG)	12/31/2008	12/10/2013	10/7/2020	2019	43,077	ECDA, Hydrotest	Yes	Yes	No	High	No	Stable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	45,457	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
Redacted	12/31/2012		12/31/2022	2017	42,961	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
Redacted	12/31/2008	2/8/2011	2/1/2018	2017	43,665	ECDA, ICDA, Hydrotest	Yes	Yes	No	Low	Yes	Stable	Yes	Yes	Medium	Low
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	45,164	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	Stable	Yes	No	Medium	High
Redacted	12/31/2008	9/22/2014	8/27/2021	2020	34,365	ECDA, ICDA, Hydrotest	Yes	Yes	Yes	High	No	No	Yes	No	Medium	High
Redacted	12/31/2008	9/26/2014	9/9/2021	2020	42,505	ECDA, ICDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Redacted	12/31/2008	8/7/2012	6/5/2019	2018	41,327	ECDA, ICDA, Hydrotest	Yes	Yes	No	Medium	No	No	Yes	Yes	Medium	High
Redacted	12/31/2008	1/16/2010	1/14/2017	2017	40,685	ECDA, ICDA	Yes	Yes	Yes	Medium	Yes	Unstable	Yes	Yes	Medium	High
Willits(021E)	12/31/2008	1/16/2010	1/14/2017	2016	9,412	ECDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	No	Stable	Yes	Yes	Medium	High
Redacted	12/31/2010		12/31/2020	2019	8,997	ECDA, ICDA	Yes	Yes	Yes	Low	No	Stable	Yes	Yes	Medium	High
Y A61(DREG4454)	12/31/2010	8/7/2012	6/5/2019	2018	20,241	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	High
Yuba City UGS(121)	12/31/2008	8/7/2012	6/5/2019	2018	20,516	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High

Assessment Plan
Change Log

Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
STUB13632	0.00	0.00	0.5	2025	ECDA, Hydrotest		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8917	0.00	0.00	0.25	2025	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7838	0.00	0.00	0.33	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8717	0.00	0.00	0.2	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7554	2.10	2.10	0.5	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8148	0.00	0.00	0.54	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DRIP8840	0.00	0.00	1.2	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7099	0.00	0.00	0.3	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10272	0.00	0.00	0.37	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8893	0.01	0.01	0.7	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11140	0.00	0.00	4.13	2016	ILI		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP7996	0.01	0.01	0.9	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3254	0.00	0.00	1.42	2016	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0112-06	0.00	0.00	0.42	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB11140	0.01	0.01	0.5	2016	ILI		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST7729	0.00	0.02	91.28	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DFDS6819	0.00	0.00	4.05	2025	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X11160	0.00	0.00	2.2	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11135	0.01	0.01	0.7	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF8450	0.00	0.00	1.08	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG10821	0.05	0.05	1.96	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11125	0.02	0.02	0.88	2021	ILI		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3632	0.00	0.00	4.51	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6486	0.00	0.00	2.72	2017	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6244	0.01	0.01	1.3	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6113	0.00	0.00	3.7	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13547	0.00	0.00	0.5	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD632	0.00	0.00	0.4	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5835	0.23	0.23	7.98	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-10	0.00	0.00	1.41	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	5.61	5.61	25.34	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	176.89	176.98	421.27	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4888	0.00	0.00	0.02	2016	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0817-01	0.19	0.25	304.8	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5646	0.04	0.05	28.79	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4888	0.02	0.02	1.39	2016	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0813-01	1.19	1.19	4.03	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	186.44	186.44	3.38	2020	ECDA, ICDA, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	11.61	11.78	919.89	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6114	0.00	0.00	1.34	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0817-01	0.44	0.47	97.64	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	450.31	450.33	67.72	2016	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	127.75	127.76	45.41	2016	ECDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4796	0.00	0.01	131.3	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
123	11.78	11.82	196.81	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS10651	0.00	0.00	0.21	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138	43.08	43.08	0.16	2022	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	260.68	260.71	318.35	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301G	0.14	0.14	1.22	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	3.75	3.75	3.65	2016	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0621-01	0.00	0.07	309.1	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
057A-MD3	0.29	0.30	42.89	2017	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5835	0.02	0.05	152.47	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	2.19	2.27	446.39	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5312	0.00	0.02	31.3	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG7562	0.06	0.13	367.17	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
8807-01	0.00	0.01	23.47	2025	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5958	0.20	0.23	125.67	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	7.05	7.06	93.3	2021	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0404-11	0.04	0.04	0.04	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5958	0.00	0.19	1017.05	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	6.95	6.95	2.17	2018	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-50	0.00	0.00	0.09	2016	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5748	0.31	0.34	150.89	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	308.46	308.46	30.45	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105N-2	0.00	0.00	0.26	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057B	16.68	16.68	0.18	2020	ILI		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13871	0.00	0.01	0.9	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-MC	0.42	0.42	3.63	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
DREG5480	0.75	0.87	738.12	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A	276.65	276.81	877.74	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5888	0.00	0.00	6.6	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	16.68	16.70	94.56	2025	ILI		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142N-3	0.38	0.42	169.71	2024	ECDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	71.85	71.86	2.56	2022	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4583	0.04	0.04	0.4	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.24	0.26	139.09	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST6976	0.02	0.02	2.37	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	1.00	1.00	0.69	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
124B	22.76	22.76	28.63	2019	ILI, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5857	0.13	0.15	124.53	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0604-01	2.69	2.69	36.4	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3654	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1202-01	0.95	1.01	349.19	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300B	154.11	154.11	2.41	2016	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5783	0.41	0.45	224.43	2022	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	6.69	6.69	1.31	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4921	0.00	0.00	0.01	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0203-01	0.81	0.82	42.95	2022	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4921	0.04	0.07	175.61	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5958	0.67	0.67	2.99	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	3.54	3.55	30.14	2018	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
191-1	25.99	26.03	232.67	2019	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF3341	0.00	0.00	0.15	2020	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	192.73	192.75	130.1	2021	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0141-01	0.31	0.35	354.91	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DF3341	0.00	0.00	1.26	2020	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	177.39	177.39	0.11	2019	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3341	0.00	0.00	0.01	2020	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5646	0.00	0.01	34.93	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14113	0.00	0.00	0.33	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0813-01	0.41	0.42	15.01	2016	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	6.45	6.50	304.86	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4197	0.01	0.02	102.2	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300A	127.92	127.92	14.32	2016	ECDA, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138	38.36	38.36	38.28	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD15007	0.00	0.00	1.18	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1603-03	0.20	0.25	223.66	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3740	0.00	0.00	0.32	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0639-02	0.11	0.11	2.49	2016	ECDA		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0804-03	0.00	0.00	0.48	2025	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
X6475	0.03	0.03	0.02	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST8795	0.84	0.84	3.2	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5805	0.03	0.07	198.43	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0617-10	4.51	4.52	73.44	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	2.98	2.98	38.77	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
191A	3.46	3.46	1.35	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0617-08	1.06	1.07	25.04	2016	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5956	0.00	0.03	113	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	9.88	9.92	224.83	2019	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	3.58	3.63	205.68	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0609-02	0.65	0.65	0.07	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
181B	10.85	10.85	2.49	2019	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
401	185.71	185.71	16.76	2020	ECDA, ICDA, SCCDA		12/9/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	3.48	3.49	21.41	2016	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3651	0.00	0.00	1.2	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
301C	17.21	17.27	338.14	2025	ECDA, ICDA, Hydrotest		12/26/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300A	237.44	237.44	7.02	2016	ECDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0820-01	0.41	0.45	169.14	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1606-01	0.13	0.13	1.8	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4868	0.18	0.24	319.61	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-20	0.00	0.01	53.65	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1519-01	0.78	0.78	8.77	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	273.88	273.88	3.32	2019	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS13998	0.00	0.00	19.81	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5480	0.87	0.87	13.68	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
GCUST5888	0.00	0.03	145	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	8.58	8.59	3.08	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
134B	3.14	3.34	1106.78	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.58	0.61	135.34	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5300	0.01	0.01	20	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5640	0.00	0.00	0.8	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	3.19	3.24	92.11	2018	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5958	0.19	0.20	66.53	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
3017-01	6.61	6.68	343.26	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5748	1.91	1.94	193.57	2022	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0402-01	2.36	2.36	0.89	2016	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	6.68	6.69	42.48	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DREG4904	0.01	0.01	1.6	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105N-2	1.29	1.29	1.9	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	0.94	0.95	12.96	2016	ECDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG5480	0.87	0.90	175.6	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A	276.33	276.57	1184.13	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS13846	0.05	0.05	0.01	2021	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	16.58	16.68	525.63	2025	ILI		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142N-3	0.07	0.08	42.19	2021	ECDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	72.25	72.25	27.21	2022	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1305-45	1.83	1.83	1.62	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
200A-3	1.07	1.13	328.3	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	14.10	14.11	28.44	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	1.87	1.87	0.63	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
126B	4.70	4.74	208.42	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-01	3.60	3.73	676.63	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	12.99	13.00	30.86	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1617-01	0.58	0.61	183.35	2020	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0807-01	0.05	0.06	1.25	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119A	1.61	1.66	287.74	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	0.34	0.35	70.45	2018	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	31.22	31.23	43.91	2016	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1613-05	1.24	1.25	64.07	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4904	0.00	0.00	1.54	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4089	0.00	0.05	229.14	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	6.00	6.04	193.04	2018	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	32.78	32.78	5.69	2018	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST8202	0.02	0.02	0.18	2020	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	5.01	5.05	194.73	2017	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1816-50	0.00	0.00	0.53	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5748	0.08	0.10	155.73	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	1.93	1.93	0.39	2018	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-01	2.58	2.65	350.05	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0805-01	1.04	1.09	275.73	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	29.34	29.34	23.57	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	143.83	143.84	66.39	2021	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105B-2	0.65	0.65	6.64	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118B	3.58	3.58	25.85	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-M15	0.40	0.40	0.36	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1303-02	0.00	0.00	0.57	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	5.41	5.42	30.53	2018	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS13923	0.00	0.00	0.27	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
191-1	34.84	34.84	10.08	2019	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
SP3	198.68	198.68	5.59	2018	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD10134	0.00	0.00	0.57	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5845	0.31	0.33	141.61	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0817-01	0.96	1.28	1337.72	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5645	0.04	0.08	228.89	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5090	0.03	0.03	6.67	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300B	446.07	446.09	69.8	2016	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5845	0.39	0.39	0.79	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	6.38	6.39	18.89	2018	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
2405-01	0.62	0.62	0.35	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X8828	0.01	0.01	1.19	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1603-01	2.14	2.14	0.62	2018	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4436	0.00	0.06	184.82	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
191-1	19.01	19.02	36.12	2017	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	5.24	5.24	23.6	2018	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4436	0.08	0.08	5.6	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	191.32	191.39	354.87	2021	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
0141-01	0.35	0.42	470.54	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.03	7.03	8.34	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
401	144.00	144.01	60.64	2021	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.56	5.56	1.95	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3825	0.01	0.01	0.9	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105N	13.49	13.50	202.27	2020	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0604-01	3.95	3.95	12.54	2019	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST9773	0.00	0.00	0.37	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD68	0.00	0.00	20.1	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD545	0.00	0.03	124.04	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0638-02	1.80	1.80	0.95	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0604-01	5.19	5.19	1.29	2019	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	276.57	276.65	406.46	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
1611-03	0.00	0.00	12.26	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	3.13	3.15	122.97	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	490.41	490.43	95.82	2020	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	2.42	2.43	32.05	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	5.30	5.30	9.11	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5916	0.10	0.10	0.99	2017	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.56	0.60	208.58	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5877	0.20	0.22	125.59	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	13.73	13.79	305.41	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	0.07	0.08	47.58	2018	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3426	9.59	9.59	8.7	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105N	13.31	13.31	3.02	2020	ILI		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
210B	13.77	13.79	82.68	2019	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021G	15.86	15.86	21.32	2017	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.69	4.73	230.92	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
400-6	0.00	0.00	0.08	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
186	24.27	24.28	66.31	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	0.00	0.15	863.43	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4161	0.07	0.18	612.25	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
2408-11	0.17	0.36	1026.25	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	5.29	5.29	0.28	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG7562	0.00	0.06	303.83	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0117-01	0.00	0.00	1.9	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6511	0.00	0.00	0.26	2020	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
2403-12	2.88	2.88	0.49	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.95	0.99	217.65	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
189	1.72	1.72	0.89	2019	ILI, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	6.51	6.52	58.75	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-16	1.67	1.69	62.7	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	1.82	1.82	18.42	2017	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1209-02	0.53	0.54	40.94	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	17.68	17.70	59.37	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7227-05	0.98	1.01	116.55	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1423	0.34	0.34	11.72	2020	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	0.00	0.00	0.6	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7216-03	11.48	11.62	706.07	2021	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0123-01	0.07	0.07	0.1	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	3.82	3.82	71.09	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0611-08	0.06	0.06	1.45	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4198	0.04	0.04	3.24	2022	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	127.42	127.42	11.48	2016	ECDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5845	0.00	0.08	408.51	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
057A-MC79S	0.16	0.16	25.25	2020	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
123	11.06	11.08	108.67	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF8158	0.00	0.03	139.28	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-03	1.69	1.69	0.02	2016	ILI		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
138	45.14	45.14	4.34	2016	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	259.58	259.59	32.1	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
123	6.89	6.89	29.58	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST7757	0.12	0.12	0.99	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-17	2.23	2.23	23.71	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301F	3.28	3.29	23.03	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5477	0.13	0.13	8.42	2019	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1302-01	1.39	1.41	87.84	2016	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	17.58	17.68	580.29	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
147	3.57	3.57	3.3	2016	ILI, SCCDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
0833-01	6.50	6.50	0.88	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1423	0.34	0.35	47.96	2020	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
1816-01	17.52	17.58	479.65	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
7221-16	0.39	0.70	1638.38	2016	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	26.46	26.52	319.36	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1523-01	2.58	2.58	0.54	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	60.64	60.75	593.74	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
375	4.84	4.84	10.79	2017	ECDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	59.27	59.39	632.17	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-8	1.55	1.55	1.86	2020	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
187	52.95	52.96	23.83	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3781	0.02	0.02	0.6	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3626	0.00	0.00	0.6	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS8559	0.00	0.00	0.7	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6164	0.00	0.00	1.6	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6151	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6032	0.00	0.00	0.2	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3449	0.00	0.00	1.67	2021	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13549	0.00	0.00	0.3	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9935	0.41	0.41	0.3	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11119	0.00	0.00	0.84	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD361	0.00	0.00	0.3	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD13541	0.02	0.02	0.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10791	0.00	0.00	0.5	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11254	0.00	0.00	0.3	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-15	0.00	0.00	0.9	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6111	12.81	12.81	9.3	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4176	0.01	0.01	0.6	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9175	0.00	0.00	0.3	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG9910	0.00	0.00	0.12	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS10554	0.00	0.00	21.2	2025	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11487	0.00	0.00	0.67	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1880-08	0.00	0.02	205.57	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11366	0.00	0.01	57.4	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD297	0.00	0.00	1.6	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3223	0.00	0.00	0.62	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6333	0.02	0.02	0.7	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3498	0.00	0.00	12.2	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5836	0.00	0.09	381.37	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6337	0.00	0.01	2.4	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9190	0.00	0.01	54.93	2025	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8957	0.00	0.00	0.22	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8383	0.00	0.00	0.58	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST2254	0.00	0.00	0.45	2025	ECDA, ICDA, Hydrotest		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB7555	0.00	0.00	0.3	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11123	0.00	0.00	3.08	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF9014	0.00	0.00	0.2	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11123	0.01	0.01	0.75	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8889	0.01	0.01	0.4	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
123	3.80	3.87	357.25	2016	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF11091	0.00	0.00	6.6	2021	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0126-01	1.84	1.84	6.79	2016	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
123	3.75	3.80	272.33	2016	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DCUST2584	0.26	0.71	2381.44	2025	ECDA, ICDA		12/21/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300A	242.76	242.96	871.89	2016	ECDA, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0820-01	0.47	0.52	280.25	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
057C	0.00	0.00	8.7	2020	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301F	7.12	7.12	2.65	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6381	0.12	0.12	3.9	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0804-01	0.00	0.00	0.33	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301C	14.61	14.61	3.12	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0820-01	0.45	0.47	88.17	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
GCUST8795	0.69	0.76	327.27	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST7836	0.00	0.03	155.96	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6335	0.00	0.00	1.2	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11143	0.00	0.00	1.74	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8203	0.00	0.00	0.05	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD9500	181.42	181.42	0.33	2018	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10825	0.01	0.01	0.3	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
DREG6900	0.00	0.00	0.1	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF7537	0.00	0.00	1.6	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5574	0.01	0.01	1.8	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5418	0.02	0.02	2.5	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST8541	0.00	0.00	0.2	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9146	0.00	0.00	0.4	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5396	0.00	0.00	0.05	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG3795	0.00	0.00	1.4	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB8269	0.00	0.00	0.14	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6218	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF9198	0.00	0.00	0.94	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6188	0.00	0.00	1.08	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10963	0.01	0.01	0.92	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF8849	0.00	0.00	0.73	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6082	0.00	0.00	0.2	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD7046	0.02	0.02	1.5	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10768	0.01	0.01	1.2	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11117	0.00	0.00	0.03	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP5655	0.00	0.00	3	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST2586	0.01	0.01	2	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF13782	0.02	0.02	0.01	2021	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11116	0.02	0.02	0.7	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11110	0.00	0.00	0.3	2017	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7540	0.00	0.00	0.4	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7078	3.57	3.57	0.3	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3222	0.00	0.00	0.3	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6186	0.00	0.00	0.3	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6380	0.00	0.00	0.37	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB6110	12.79	12.79	0.5	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3441	0.00	0.00	8.72	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD388	0.00	0.00	0.16	2019	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB11358	0.01	0.01	1.31	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP8710	0.02	0.02	0.4	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4720	0.01	0.03	126.41	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11344	0.01	0.01	0.58	2016	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD13597	0.00	0.00	2.8	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X9037	0.00	0.01	30	2025	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF7569	0.00	0.00	0.01	2016	ECDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8706	0.01	0.01	0.8	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3475	0.00	0.00	0.01	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6538	0.00	0.00	0.01	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6485	3.86	3.86	4.6	2016	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD83	0.00	0.00	0.28	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST7651	0.00	0.00	0.06	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD80	22.81	22.81	0.01	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6526	0.26	0.26	2.5	2016	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1519-01	2.54	2.54	12.09	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A	278.47	278.51	203.38	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS14008	0.00	0.00	0.28	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
153-6	0.06	0.06	2.89	2018	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1501-01	1.03	1.03	1.56	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5480	0.69	0.75	304.05	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF8784	0.01	0.01	3.4	2016	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD9853	0.00	0.00	0.75	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0617-08	3.29	3.29	2.4	2016	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138E	0.29	0.33	190.86	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD616	0.02	0.02	1.5	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0617-10	4.20	4.20	0.95	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	3.19	3.19	1.93	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG7562	0.22	0.22	0.35	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-04	0.00	0.00	1.94	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	83.91	83.91	34.12	2022	ILI		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
316-21	1.08	1.08	5.93	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	5.63	5.79	804.24	2018	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	33.51	33.51	18.93	2018	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0602-01	0.07	0.10	189.16	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD22169	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD10065	0.02	0.02	0.91	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD117	0.00	0.00	2	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
STUB8696	0.00	0.00	2.07	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11253	0.00	0.00	0.3	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162B	1.67	1.67	0.3	2020	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4224	0.00	0.00	1	2021	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4086	0.01	0.01	0.4	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3839	0.00	0.00	0.37	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4345	0.02	0.02	2	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3378	0.00	0.00	0.01	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10273	0.00	0.00	0.33	2018	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP8713	0.00	0.00	1.2	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB10053	0.00	0.00	3.2	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10837	20.72	20.72		#N/A	#N/A	3.4	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
DF3337	0.00	0.00	2.16	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5638	0.00	0.00	1.7	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5479	0.00	0.00	7.56	2025	ECDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG5157	0.01	0.01	2.48	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3262	0.00	0.00	4.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3218	0.00	0.00	0.14	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST10553	0.00	0.00	5	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X9924	0.00	0.00	0.29	2025	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8743	0.00	0.00	0.08	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB9961	0.00	0.00	0.19	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD74	12.06	12.06	1.1	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9161	0.00	0.01	60.52	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13555	0.00	0.00	0.87	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8955	0.01	0.01	0.8	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8102	12.05	12.05	4.5	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3372	0.00	0.00	3	2025	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST8387	12.06	12.06	0.01	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3303	0.00	0.00	1	2018	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4900	0.00	0.00	0.21	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF3233	0.01	0.02	13	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB11077	0.02	0.02	8	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS8807	0.00	0.00	0.28	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD266	57.45	57.45	1.2	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10953	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF8819	0.00	0.00	0.01	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
SP3-1	0.00	0.00	0.02	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5642	0.00	0.00	0.03	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5820	0.02	0.02	2.4	2018	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD79	0.00	0.00	3	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP8840	0.00	0.00	1.12	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10054	0.00	0.00	1.2	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	0.35	0.36	46.04	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138E	0.45	0.49	171.94	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	6.78	6.80	90.99	2021	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138E	1.11	1.14	175.81	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	0.50	0.51	60.74	2021	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5748	1.72	1.72	5.89	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	321.56	321.57	74.63	2016	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
138E	0.04	0.09	256.75	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	2.67	2.68	17.3	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB8464	0.00	0.00	15.63	2025	ECDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
181B	4.34	4.34	1.68	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6408	0.00	0.00	15	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-50	0.00	0.00	1.11	2016	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5748	0.53	0.56	186.2	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	4.69	4.70	77.6	2018	ECDA, ICDA, SCCDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1611-04	0.69	0.69	0.01	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
2405-01	0.09	0.13	225.94	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8746	0.00	0.00	1.59	2018	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1603-01	2.15	2.16	48.7	2018	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8211	0.00	0.00	0.9	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD105	0.00	0.00	1.67	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3781	0.00	0.00	0.01	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7534	0.00	0.00	0.01	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD16444	0.00	0.00	1.4	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3649	0.00	0.00	0.5	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6203	0.00	0.00	1.5	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
STUB6174	0.00	0.00	0.26	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD115	0.00	0.00	3	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF8152	0.00	0.00	11.8	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS7095	0.00	0.00	0.01	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6117	0.00	0.00	0.01	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7841	0.00	0.00	0.13	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF7718	0.00	0.01	4.92	2025	ECDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD749	0.00	0.00	3.75	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD267	0.01	0.01	0.35	2018	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD361	0.01	0.01	2.3	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10064	0.02	0.02	0.5	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD10823	0.00	0.00	1.6	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6137	0.00	0.00	0.16	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD103	0.01	0.01	0.24	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11251	0.00	0.00	2.49	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119A-2	0.00	0.00	2.5	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10034	0.12	0.12	0.02	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD11144	0.00	0.00	0.1	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X10781	0.00	0.01	3.6	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3870	0.01	0.01	1.1	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3425	0.00	0.00	0.24	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11194	0.00	0.00	5	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6157	0.01	0.01	0.33	2018	ECDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3779	0.01	0.01	0.4	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1194	0.00	0.00	0.12	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5901	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11332	0.01	0.01	1.5	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3357	0.00	0.00	7.6	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5900	0.99	0.99	1.3	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4845	0.01	0.01	1.5	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS7722	0.00	0.01	41.93	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF16573	0.01	0.02	25.78	2023	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6466	0.04	0.04	2.3	2020	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD83	0.00	0.00	0.5	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5836	0.26	0.37	769.48	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5819	0.00	0.00	0.51	2018	ECDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9947	0.00	0.00	0.75	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11221	0.00	0.00	0.01	2017	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6458	0.02	0.02	2.75	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3524	0.01	0.01	0.01	2018	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10104	0.00	0.00	0.4	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3370	0.00	0.00	0.8	2025	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11295	1.42	1.42	0.81	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF3289	0.00	0.00	0.1	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3834	0.03	0.03	0.2	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF9014	0.00	0.00	0.01	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10633	0.00	0.00	2	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10206	0.00	0.00	3.3	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF3261	0.00	0.00	0.33	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14112	0.00	0.00	0.44	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
057A-MT	0.58	0.58	0.01	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5480	0.12	0.15	182.7	2019	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	274.19	274.19	0.3	2019	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1401-01	0.27	0.27	6.45	2019	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4873	0.00	0.01	57.59	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	113.60	113.62	115.24	2016	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG3875	0.06	0.06	0.9	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.13	0.23	517.05	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1220-01	0.87	0.87	2.26	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
316-2	1.36	1.36	2.7	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5300	0.01	0.04	153	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST11066	0.00	0.00	0.19	2025	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11136	0.02	0.02	0.2	2021	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5814	0.00	0.00	0.1	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10070	5.92	5.92	0.2	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10015	0.00	0.00	0.3	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD9499	181.43	181.43	0.38	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP7983	0.00	0.00	0.08	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5418	0.00	0.00	1.5	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
2412-01	0.00	0.00	0.13	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8704	0.00	0.00	0.3	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3773	0.00	0.01	50.53	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6295	0.00	0.00	0.29	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD15185	0.00	0.00	1.3	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6190	0.00	0.00	0.2	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4867	0.00	0.00	0.17	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3225	0.00	0.00	4.6	2025	ECDA, ICDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF11087	0.00	0.00	3.1	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6338	16.66	16.66	2.7	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8547	16.67	16.67	0.3	2016	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD13550	0.00	0.00	0.45	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13739	0.00	0.00	2.5	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5465	0.01	0.01	0.2	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7977	0.01	0.01	0.5	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3215	0.00	0.00	8.3	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB7894	0.00	0.00	0.7	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB7077	3.56	3.56	0.18	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD81	0.01	0.01	0.49	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3490	0.00	0.00	1.5	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11295	1.42	1.42	0.3	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DFDS3562	0.00	0.00	3.8	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD78	0.00	0.00	0.32	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG10821	0.00	0.00	0.13	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3632	0.00	0.00	1.3	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF11285	0.00	0.00	6.9	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD83	0.00	0.00	0.07	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD80	22.81	22.81	3.68	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD74	12.07	12.07	0.6	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9189	0.00	0.02	92.68	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-01	1.10	1.11	2.87	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1217-01	3.00	3.00	1.85	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3012-01	0.17	0.17	0.43	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300B	154.46	154.55	523.64	2016	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
153-7	0.35	0.37	121.44	2021	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0604-01	4.38	4.38	6.97	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD71	0.00	0.00	4.95	2022	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118F	0.19	0.19	20.51	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD602	0.02	0.02	0.01	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD68	0.00	0.03	157.8	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB6291	0.00	0.00	4.99	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5917	0.00	0.00	0.81	2017	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A-5	0.00	0.00	0.5	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD103	0.00	0.01	5.5	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11145	0.00	0.00	0.9	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-10	0.01	0.01	1.2	2020	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3525	0.00	0.00	22	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6073	0.00	0.00	0.19	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS7095	0.00	0.00	0.58	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11250	0.00	0.00	0.03	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X8309	0.00	0.00	0.44	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11164	0.00	0.00	0.3	2022	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9041	0.00	0.00	0.1	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB10876	0.00	0.01	69.81	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5792	0.00	0.00	0.46	2016	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10067	0.00	0.00	0.3	2016	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3373	0.00	0.00	0.12	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5840	0.02	0.02	3.2	2019	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4175	0.02	0.02	0.99	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3827	0.01	0.01	0.5	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3228	0.00	0.00	0.02	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST10739	0.02	0.02	3.71	2020	ECDA		12/22/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD9312	0.00	0.00	0.17	2025	ECDA, ICDA		12/21/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB8904	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3515	0.00	0.00	4	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3795	0.01	0.01	0.7	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST14396	0.01	0.01	0.5	2020	ECDA, ICDA, SCCDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4720	0.00	0.00	2.39	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11153	0.01	0.01	0.9	2021	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
BD14513	0.00	0.00	3.6	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST8387	12.14	12.14	0.58	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP5656	0.00	0.00	0.45	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3233	0.00	0.01	2.4	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X7082	0.04	0.04	0.01	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS8807	0.01	0.01	0.01	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5813	1.41	1.41	0.2	2020	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6173	0.00	0.00	0.2	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11090	0.01	0.01	0.7	2020	ILI		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7976	0.01	0.01	0.3	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7122	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST11420	0.00	0.00	2.19	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6320	0.01	0.01	0.42	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10105	137.29	137.29	0.5	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3779	0.00	0.00	1	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3576	0.00	0.00	3.34	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3250	0.00	0.00	0.01	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4718	0.04	0.04	0.5	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138	45.56	45.58	86.96	2016	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	1.98	1.98	1.39	2018	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4466	0.00	0.01	19.84	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	181.02	181.08	356.92	2019	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0141-01	0.24	0.31	404.02	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4453	0.00	0.01	1.48	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	176.68	176.72	251.7	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0817-01	1.30	1.30	0.42	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5645	0.29	0.29	0.69	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5786	0.01	0.01	0.6	2022	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	185.64	185.66	60.43	2020	ECDA, ICDA, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8212	0.00	0.00	1.09	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD14996	0.00	0.00	0.1	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3781	0.00	0.00	2.2	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7534	0.00	0.00	0.12	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4731	0.01	0.02	29.6	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD9114	0.00	0.00	26.15	2025	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5492	0.00	0.01	7.9	2025	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4866	0.02	0.02	0.4	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6340	13.72	13.72	6.5	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD11092	0.03	0.03	0.51	2021	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8547	16.66	16.66	3.56	2016	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD107	0.00	0.00	1.33	2020	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD13542	0.03	0.03	0.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11345	0.00	0.00	1	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD15184	0.01	0.01	1.38	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3572	0.00	0.00	2.32	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD45	0.00	0.00	6	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF8153	0.00	0.01	45	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB6117	0.01	0.01	0.29	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3523	0.00	0.00	1.6	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11239	0.00	0.00	0.6	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X8151	0.02	0.02	0.6	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8270	0.00	0.00	0.03	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5814	0.10	0.10	9.75	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10220	0.00	0.00	0.4	2019	ECDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP8712	0.00	0.00	0.12	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6533	0.04	0.04	0.01	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF9012	0.00	0.00	2.1	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6446	0.00	0.00	0.9	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3305	0.00	0.00	0.01	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST2438	0.00	0.01	70.69	2025	ECDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6042	0.00	0.00	0.41	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3441	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11141	0.01	0.01	0.49	2016	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP5728	69.99	70.00	53.17	2025	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5900	0.00	0.00	1	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3760	0.00	0.01	38.25	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD9513	183.03	183.03	0.33	2025	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
X6434	0.01	0.01	0.54	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.65	0.85	1109.31	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
SP5	5.78	5.78	2.79	2017	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
306	0.00	0.17		#N/A	#N/A	1023.89	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
0214-01	0.00	0.00	0.43	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0203-01	0.38	0.39	5.49	2022	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
142S-1	0.22	0.22	2.81	2019	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1755	0.16	0.16	1	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	6.22	6.22	0.09	2018	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4312	0.00	0.04	181.75	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	275.97	276.03	301.63	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5888	0.25	0.54	1474	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142N-3	0.37	0.38	46.91	2024	ECDA		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DREG3890	0.00	0.00	0.38	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.23	0.24	31.81	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
131	57.47	57.47	2.81	2018	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5300	0.00	0.01	13.32	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.61	0.65	268.91	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
222	0.09	0.09	0.85	2022	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4198	0.00	0.01	62.4	2022	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5786	0.00	0.00	0.5	2022	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	6.86	6.89	124.29	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4921	0.00	0.04	199.96	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
138	49.43	49.43	16.9	2016	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	11.55	11.61	330.69	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DCUST981	0.00	0.00	0.7	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-17	2.58	2.58	0.01	2017	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5809	0.52	0.52	1.2	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0639-02	0.00	0.00	0.6	2016	ECDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0806-01	0.00	0.00	1.38	2022	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST6893	0.06	0.06	16.48	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD103	0.00	0.00	2.5	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10859	0.00	0.00	0.23	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4224	0.00	0.01	5.8	2021	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5091	0.00	0.00	0.28	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3839	0.01	0.01	0.5	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4345	0.00	0.00	1.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST8180	0.00	0.00	0.2	2019	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9954	0.00	0.00	2.8	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5290	0.00	0.00	0.46	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DCUST1169	0.02	0.02	0.1	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10836	20.72	20.72		#N/A	#N/A	25.7	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
DF3320	0.00	0.00	1.5	2022	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP7983	0.02	0.02	0.6	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5638	0.01	0.01	0.49	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4874	0.00	0.02	50.33	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3262	0.00	0.00	1.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4734	0.01	0.01	0.9	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8547	16.66	16.66	1.5	2016	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8546	0.00	0.00	1.8	2025	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD10769	0.01	0.01	1.2	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10632	0.00	0.00	1.82	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9161	0.00	0.00	0.01	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1217-01	2.90	2.91	65.32	2020	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5857	0.00	0.00	0.29	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8025	0.01	0.01	9.2	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6379	0.19	0.19	3.1	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1202-01	0.52	0.53	53.96	2020	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	161.55	161.55	1.9	2016	ECDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD71	0.02	0.02	1.54	2022	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3614	0.00	0.00	0.75	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4048	1.15	1.16	10.55	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
114	34.07	34.07	2.69	2018	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4325	0.25	0.25	0.85	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5809	0.42	0.49	174.74	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0639-02	0.00	0.00	0.09	2016	ECDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0804-03	0.00	0.03	163.66	2025	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5805	0.07	0.10	185.81	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
3019-01	0.17	0.22	215.54	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4339	0.01	0.01	0.07	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5827	0.01	0.01	0.37	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
124B	20.03	20.04	20.25	2019	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A-1	1.61	1.62	42.97	2018	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-08	0.00	0.00	15.3	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1710	0.00	0.00	4.18	2018	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9013	0.00	0.01	10.82	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0604-01	3.72	3.73	13.73	2019	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5783	0.59	0.59	0.37	2022	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1603-03	0.33	0.37	184.38	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	28.87	28.87	1.97	2017	ECDA, ICDA, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
100	150.14	150.14	1.74	2016	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST6893	0.00	0.04	182.95	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD35	0.00	0.04	228.2	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
191-1	35.83	35.83	0.99	2018	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A-4	0.02	0.02	1.55	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4106	0.00	0.04	185	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	176.13	176.13	3.07	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-15	0.98	0.98	6.37	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.00	0.04	195.75	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
150	12.47	12.49	62.94	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
187	64.33	64.34	19.73	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD9116	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB23029	0.00	0.00	0.35	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
150	15.81	16.37	3053.44	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.27	0.27	28	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
197C	20.77	20.77	6.3	2017	ECDA, ICDA, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1822-01	0.56	0.59	163.27	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD685	0.01	0.01	1.67	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	31.93	31.95	106.48	2016	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	170.32	170.36	137.72	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	5.72	5.80	415.74	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	59.49	59.52	153.98	2020	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	57.54	57.55	77.69	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4930	0.00	0.00	1.15	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.95	13.99	190.73	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	59.52	59.56	222.7	2020	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
118A	60.75	60.78	169.02	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	103.05	103.38	1733.6	2025	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.79	13.90	559.1	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021C	43.84	43.84	9.2	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	157.74	157.87	279.12	2025	ILI, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402B	9.94	9.95	14.34	2018	ECDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.35	19.35	5	2020	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.27	0.32	285.14	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
150	18.02	18.08	271.27	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.19	0.27	409.89	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021D-1	1.15	1.15	4.71	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0639-01	2.78	2.78	1.79	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST982	0.25	0.25	0.6	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6926	0.00	0.00	0.6	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
132	17.12	17.12	13.75	2016	ILI		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	59.90	59.90	0.88	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB15420	0.00	0.00	0.04	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	7.85	7.88	148.71	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	56.03	56.03	7.96	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	21.16	21.16	2.55	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	58.35	58.37	122.49	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DFDS14035	0.00	0.00	0.14	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
126A	5.43	5.48	163.59	2019	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	1.74	1.75	22.11	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5778	0.16	0.16	2.67	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	24.30	24.33	205.4	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	27.61	27.61	2.49	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4180	0.70	0.70	0.61	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119B-1	0.00	0.00	1.18	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	26.02436	26.16430	739	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.02550	30.04850	121	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.04850	30.04900	3	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.04900	30.08709	201	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.08709	30.08759	3	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
107	30.08759	30.44038	1863	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.44038	30.50185	325	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.50185	30.65598	814	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.71213	30.97748	1401	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.97748	30.97831	4	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.97831	31.17261	1026	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	31.17261	31.17343	4	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	31.17343	31.22000	246	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	66.24080	66.34421	546	2016	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	66.34421	66.36826	127	2016	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
114	16.75177	16.75526	18	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	16.75526	16.75567	2	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	16.75567	16.85849	543	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
352	12.65456	13.11611	2437	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
114	12.86	13.08	1010.41	2021	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
109	2.86	2.93	351.58	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
109	33.38	33.43	270.9	2016	ILI		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0619-05	1.18	1.18	2.51	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
177B	7.04	7.17	561.6	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	44.61	44.61	9.4	2022	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119C	3.91	3.91	7.46	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	39.80	39.81	64.44	2022	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
0613-01	3.52	3.53	66.15	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.11	10.14	177.48	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.90	13.95	275.77	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
STUB14678	0.00	0.00	1.2	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.74	10.81	408.83	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
114	16.47	16.49	98.72	2021	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
167	34.63	34.63	1.46	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	39.47	39.48	90.35	2016	ILI		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
114	12.05	12.08	239.18	2025	ILI		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	75.21	75.23	102.07	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
137B	7.36	7.37	30.3	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	9.50	9.52	108.27	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	67.00	67.07	371.63	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1616-01	2.57	2.57	3.89	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021F	18.28	18.32	266.02	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	17.23	17.23	14.62	2016	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	25.59	25.62	175.37	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	458.91	459.36	2481.46	2025	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	2.70	2.86	1092.6	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4093	1.55	1.68	657.17	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
220	19.89	20.42	3255.33	2018	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	5.05	5.35	1304.03	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14177	0.00	0.00	0.01	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4919	0.26	0.26	16.94	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	2.89	2.94	381.37	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7209-01	2.04	2.15	577.4	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	6.32	6.33	25.03	2016	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	37.94	37.94	11.67	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD14152	0.00	0.00	0.44	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5496	0.00	0.03	97.33	2017	ECDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7221-10	14.35	14.35	0.4	2016	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB13906	0.00	0.00	0.2	2018	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	23.84	23.93	473.81	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB15153	0.00	0.00	0.2	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
111A	26.42	26.47	225.24	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4180	0.73	0.75	151.27	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	474.64	474.67	169.47	2020	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3257	0.00	0.00	0.81	2020	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5856	0.00	0.00	0.13	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5842	1.80	1.83	219.28	2019	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
109	28.55	28.55	4.42	2020	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0619-05	1.29	1.29	52.42	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
118A	61.33	61.42	3.68	2025	ILI, Hydrotest		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	20.97	21.03	343.55	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5838	0.00	0.00	0.28	2018	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	14.20	14.21	62.51	2018	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7221-10	15.02	15.06	196.64	2016	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
116	12.89	12.89	9.06	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5548	0.00	0.00	0.12	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-02	0.07	0.07	0.42	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5818	0.00	0.00	0.03	2018	ECDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	11.64	11.65	54.98	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7221-10	16.02	16.04	62.67	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	22.72	22.77	238.84	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB15153	0.00	0.00	0.01	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
111A	26.26	26.32	272.9	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4180	0.00	0.00	128.22	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300B	477.45	477.59	729.28	2020	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13949	0.00	0.00	0.2	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5856	0.10	0.10	2.19	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4093	1.68	1.71	161.2	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
050A	11.77	11.78	69.66	2017	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	0.00	0.00	0.22	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	62.17	62.19	130.65	2020	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	57.55	57.56	24.64	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14011	0.00	0.00	3.37	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	3.00	3.00	0.45	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	77.91	78.02	482.82	2017	ILI		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
220	22.16	22.16	2.13	2019	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	60.45	60.49	279.93	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	16.50	16.52	108.19	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	7.03	7.03	0.97	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	31.21	31.22	4.33	2021	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
2408-05	3.33	3.33	14.61	2017	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	74.13	74.17	193.41	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	183.75	183.78	152.64	2018	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11480	0.00	0.00	0.8	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	25.28	25.31	172.93	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	464.26	464.61	1930.96	2025	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD269	0.02	0.02	8.66	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14012	0.00	0.00	0.2	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	25.99	26.02	178.74	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4093	1.55	1.55	29.91	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	4.37	4.39	118.64	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	16.79	16.79	29.67	2016	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14127	0.00	0.00	0.01	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5255	0.00	0.00	4.74	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4310	0.42	0.50	447.29	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	20.58	20.58	16.8	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	1.72	1.72	35.08	2017	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
220	19.89	19.89	4.47	2018	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
STUB14177	0.01	0.01	0.6	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14490	0.00	0.00	0.3	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4919	0.35	0.35	0.16	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	23.25	23.30	264.08	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
002	157.87	158.00	148.01	2025	ILI, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
7222-01	1.71	1.80	349.84	2020	ECDA, ICDA, Hydrotest		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021C	47.62	47.62	0.58	2017	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301B	1.57	1.60	173.97	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD16220	0.00	0.04	223.49	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	6.19	6.20	35.24	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	76.40	76.47	374	2017	ILI		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
118A	57.98	57.99	38.13	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4014	0.00	0.00	0.33	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
331A	0.01	0.04	254.08	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	8.25	8.25	37.47	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG8355	0.00	0.00	0.31	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	43.48	43.48	2.23	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
101	39.74	39.80	497.28	2022	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119C	2.75	2.87	652.66	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4014	0.07	0.07	0.5	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
331A	0.00	0.01	147.4	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
132	35.35	35.79	1274.96	2025	ILI, SCCDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1813-02	1.16	1.17	95.94	2019	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138C	49.29	49.30	48.19	2016	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	34.53	34.56	170.96	2019	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
0604-03	0.86	0.86	1.2	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021D-1	0.14	0.14	24.01	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	66.16	66.18	117.68	2016	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
132	30.58	30.60	67.87	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
301B	13.95	13.96	199.61	2016	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14320	0.00	0.00	0.8	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
142N	12.07	12.10	142.42	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1813-02	11.10	11.28	931.62	2025	ECDA, ICDA, SCCDA		12/28/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1615-01	19.06	19.06	2.75	2019	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.81	11.04	1247.31	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
301B	13.45	13.48	92.14	2016	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1813-02	11.28	11.33	268.25	2025	ECDA, ICDA, SCCDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1615-01	6.39	6.46	608.16	2018	ILI, Hydrotest		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
138D	46.20	46.20	19.76	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
132	34.16	34.41	1321.01	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
132	51.53	51.53	4.8	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	11.73	11.73	10.77	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
177A	85.57	85.57	8.52	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	59.10	59.10	2.4	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
121	10.06	10.11	248.42	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14373	0.00	0.00	2	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	75.35	75.38	127.85	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	11.04	11.27	1266.42	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
121	11.04	11.04	11.88	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14072	0.00	0.00	0.2	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	2.17	2.19	76.05	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	12.11	12.11	20.03	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	72.82	72.87	218.45	2019	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
132	35.56	35.58	78.61	2025	ILI, SCCDA, Hydrotest		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
105A	52.03	52.04	20.11	2017	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	23.61	23.62	77.97	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	59.10	59.10	2.4	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
132	23.78	23.80	123.98	2016	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
142N	9.88	9.93	393.68	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1813-02	1.00	1.00	0.22	2019	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105C	2.03	2.03	2.3	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	29.07	29.09	129.02	2016	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	59.10	59.10	4.6	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
X14254	0.00	0.00	0.01	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
132	30.34	30.35	16.1	2016	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
116	8.61	8.61	4.3	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	88.83	88.83	7	2022	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	60.75	60.75	5	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
X6385	0.00	0.00	1.08	2025	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105A	38.44	38.44	3.97	2017	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	22.51	22.59	381.36	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB14125	0.01	0.01	0.97	2022	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
316-23	0.05	0.05	4.19	2023	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1616-01	2.27	2.46	1019.8	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST7728	0.00	0.02	18.9	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	16.71	16.71	8.55	2018	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	2.86	2.89	173.91	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
002	142.67	142.70	174.02	2020	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	50.57	50.58	32.72	2016	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402B	10.08	10.08	10.38	2018	ECDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1608-01	1.29	1.31	158.49	2019	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
210C	32.11	32.11	3.89	2018	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
150	18.08	18.08	1.41	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	25.77	26.07		#N/A	#N/A	1648.94	12/31/2015	HCA Removal	HCA Removed due to alignment change	Removed from Integrity Management Assessment Plan Schedule
DCUST1873	0.04	0.12	420	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
134A	30.23	30.31	456.16	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1822-01	0.69	0.71	57.15	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	59.81	59.90	508.1	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
121	8.00	8.02	103.82	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14324	0.01	0.01	1	2022	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
107	24.42	24.46	208.11	2020	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	0.22	0.34	621.8	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	73.21	73.23	38.13	2019	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.47	13.50	169.12	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
172A	76.47	76.59	625.87	2017	ILI		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
220	22.59	22.63	194.91	2019	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	58.37	58.40	169.8	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	121.92	121.95	175.77	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.76	13.79	162.75	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	9.93	9.93	15.59	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021D	19.32	19.32	26.94	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD14152	0.00	0.00	0.01	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
2408-05	0.15	0.15	0.04	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	2.93	2.93	5.47	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1818-01	0.36	0.45	488.81	2016	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
114	12.08	12.15	431.79	2025	ILI		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
109	21.51	21.61	485	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.66	13.68	104.99	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	67.35	67.40	203.47	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021C	53.12	53.12	1.72	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	112.36	112.46	517.43	2022	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
220	31.75	31.75	3.69	2019	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	1.67	1.71	203.56	2020	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021C	35.43	35.44	43.05	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	188.53	188.53	32.94	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	142.22	142.26	170.02	2020	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF14754	0.00	0.00	0.32	2025	ECDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.35	19.48	125.05	2020	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
118A	72.87	72.90	161.15	2019	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021C	32.53	32.54	29.18	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	126.41	126.46	227.37	2020	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	41.09	41.30	1001.59	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1608-01	0.00	0.00	0.01	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
002	144.25	144.38	648.6	2020	ILI		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	16.45	16.45	12.43	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0615-02	0.16	0.16	0.44	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	8.08	8.14	379.58	2022	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.58	5.58	5.6	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105N-5	36.47	36.47	10.6	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-13	1.21	1.22	83.59	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0600-01	0.52	0.56	210.08	2025	ECDA, ICDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3867	0.03	0.03	0.4	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1518-03	1.47	1.51	220.61	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
303	20.28	20.29	51.23	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.31	5.31	2.35	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5912	70.02	70.03	49.6	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021G	12.41	12.45	210.04	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1622-01	1.00	1.00	1.55	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162A	4.64	4.64	0.96	2019	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0833-01	6.02	6.06	223.04	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A	155.47	155.47	7.91	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	10.58	10.58	4.35	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	2.96	2.97	11.38	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.06	7.08	160.93	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.87	4.89	105.29	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	3.06	3.06	5.22	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	354.52	354.52	5.45	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.61	4.62	19.02	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021B	0.08	0.08	4.9	2017	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	25.62	25.62	9.52	2017	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	23.38	23.38	4.61	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.00	0.04	209.78	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	6.32	6.39	317	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	262.93	262.93	16.61	2020	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
197B	4.52	4.56	296.13	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	18.79	18.79	17.9	2018	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
7221-16	0.30	0.30	10.19	2016	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	27.69	27.76	67.89	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-01	1.82	1.82	10.53	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1522-01	0.38	0.38	0.59	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	42.27	42.28	35.45	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0615-02	0.13	0.14	10.02	2017	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0611-05	0.17	0.17	2.02	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
7226-01	5.39	5.42	210.35	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5912	70.03	70.13	764.1	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
105N	36.34	36.34	4.29	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7207-01	0.63	0.64	66.28	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5877	0.19	0.20	111.32	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021G	8.94	8.94	9.19	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	0.00	0.01	18.41	2018	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3426	9.31	9.34	299.15	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105N	12.66	12.66	2.1	2020	ILI		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021G	13.79	13.81	200.58	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
0401-01	4.62	4.69	414.07	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	0.00	0.00	0.04	2017	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.25	7.28	221.94	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
401	363.94	363.94	8.02	2019	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	1.48	1.48	17.6	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0210-01	6.62	6.62	1.19	2019	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.03	7.03	25.89	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	343.29	343.34	273.76	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4185	0.03	0.03	1.1	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	0.01	0.12	634.97	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4281	0.03	0.04	108.25	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	3.21	3.32	568.57	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	2.12	2.12	28.17	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	2.02	2.02	2	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	84.53	84.57	245.08	2018	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.24	6.25	3.1	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.08	0.21	623.72	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
134A	33.33	33.34	42.65	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	61.43	61.43	21.08	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
187	41.69	41.69	6.23	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	3.8	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7223-01	9.10	9.11	147.06	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	71.46	71.47	22.23	2020	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181A	20.02	20.02	0.4	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.26	6.27	164.89	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
124A	26.03	26.03	2.75	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	9.87	10.14		#N/A	#N/A	1320.01	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
172C	0.25	0.25	3.3	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.32	6.32	0.73	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	37.99	37.99	19.84	2018	ECDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1004-01	4.74	4.74	1.19	2018	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1622-01	0.96	0.96	12.23	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162A	5.37	5.37	10.5	2019	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	160.14	160.14	10.63	2016	ECDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	1.72	1.78	365.47	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	4.18	4.22	170.79	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	17.88	17.89	20.21	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	7.30	7.31	26.97	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119A	1.76	1.79	300.45	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400-3	293.84	293.88	196.58	2017	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	0.12	0.13	47.6	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DCUST1423	0.35	0.37	276	2020	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1611-01	0.88	0.92	226.8	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1602-01	0.00	0.00	0.05	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
197A	27.89	28.08	993.1	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
331B-2	0.76	0.76	1.32	2022	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	3.06	3.06	4.48	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5923	0.16	0.19	207.67	2017	ECDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-16	1.04	1.04	8.91	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
197C-1	17.05	17.05	2.11	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-03	0.39	0.39	0.1	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1518-01	0.57	0.58	46.93	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	14.57	14.60	179.73	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0651-01	0.00	0.00	0.01	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.29	14.35	461.93	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7225-01	1.48	1.53	250.02	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	14.75	14.77	108.39	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	17.45	17.52	585.28	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021A	16.86	16.86	14.26	2017	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
1815-02	15.03	15.15	661.48	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	22.93	22.94	67.61	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0647-01	3.02	3.02	3.34	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	15.48	15.62	822.89	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118-1	0.03	0.03	2.29	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	3.48	3.53	281.22	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	16.27	16.29	61.69	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	15.81	15.84	231.79	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119B	7.41	7.43	112.69	2016	ILI		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	83.55	83.55	7.36	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	0.45	0.57	566.21	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7223-01	8.99	9.00	23.33	2020	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021E	59.55	59.56	75.32	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.26	40	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7205-01	1.21	1.30	611.54	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
124A	1.37	1.39	79.78	2016	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4119	0.00	0.00	0.27	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	32.87	32.89	103.18	2018	ECDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
400	297.43	297.47	196.7	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
107	24.07	24.13	308.32	2020	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	0.09	0.11	156.52	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	74.45	74.47	78.24	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	190.76	190.77	21.77	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD16220	0.00	0.00	0.17	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	11.47	11.68	887.66	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	77.71	77.91	885.58	2017	ILI		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
220	22.86	22.95	522.15	2019	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	58.22	58.35	762.48	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.68	13.69	84.8	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	24.89	24.90	36.02	2020	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	15.97	16.01	240.02	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.59	5.59	2	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0115-01	0.40	0.40	6.78	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-13	0.16	0.24	421.43	2019	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3828	0.00	0.00	0.04	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162A	5.38	5.48	568.57	2019	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
162A	5.37	5.38	79.65	2019	ILI		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
118A	72.64	72.82	850.75	2019	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021C	36.53	36.67	873.3	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
002	112.69	112.74	327.52	2022	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105B	0.00	0.00	0.03	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
002	143.98	144.06	456.28	2020	ILI		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
210C-1	3.76	3.76	1.79	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1615-01	14.80	14.81	37.46	2018	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0211-01	0.00	0.00	0.17	2020	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105C	0.00	0.00	0.04	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
132	38.41	38.41	0.89	2021	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	16.22	16.25	189.08	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.42	5.42	4.73	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5912	70.03	70.03	0.1	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	20.84	20.84	1.59	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
3015-01	0.00	0.00	3	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	16.49	16.59	540.98	2021	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
167	31.65	31.65	5.58	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	39.44	39.47	206.83	2016	ILI		12/24/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1818-01	3.04	3.05	55.87	2016	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	12.69	12.71	98.05	2021	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	0.65	0.65	1.57	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-10	1.47	1.47	2.96	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.25	10.28	181.56	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
121	9.52	9.68	939.86	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	24.24	24.24	15.52	2016	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
121	10.72	10.74	92.01	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	60.75	60.93	887.515	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
121	9.80	9.89	466.52	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	59.81	59.81	3.03	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB14718	0.00	0.00	5.4	2020	ECDA, ICDA		12/23/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1509-04	1.27	1.32	235.41	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
105N	23.81	23.81	20.76	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
210B	23.91	23.92	34.38	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1035-05	4.98	4.98	17.24	2019	ECDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5754	0.19	0.19	18.85	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	14.01	14.04	219.73	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.80	4.85	250.05	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST11247	0.00	0.00	0.7	2021	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0834-01	3.63	3.66	115.1	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021C-1	36.26	36.26	1.29	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	5.46	5.48	71.67	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.36	10.39	161.05	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
331A	0.96	0.96	5.96	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301B	1.95	1.98	166.95	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142N	14.04	14.05	56.61	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1813-02	16.40	16.40	8.02	2019	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD14338	0.00	0.00	0.3	2021	ECDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	9.33	9.39	290.12	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	66.90	66.91	38.13	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.28	10.36	458.68	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
109	45.10	45.16	311.54	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021F	13.87	13.92	339.75	2018	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021F	14.39	14.42	209.04	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7221-10	15.06	15.38	1700.42	2016	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	22.45	22.49	194.68	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14409	0.02	0.02	1.04	2021	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	3.56	3.63	374.77	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
181A-10	5.67	5.67	3.28	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	6.88	6.95	540.59	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
401	340.06	340.10	195.52	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.85	4.87	150.7	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
GCUST5913	0.33	0.33	0.39	2017	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1626-01	0.10	0.12	107.57	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021B	2.21	2.22	46.28	2017	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	6.00	6.01	18.02	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	11.70	11.70	3.71	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	16.75	16.80	267.65	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14127	0.01	0.01	0.83	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5255	0.00	0.00	1.3	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5842	0.71	0.71	18.44	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0617-06	20.67	20.67	1.8	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
215	20.08	20.08	3.29	2016	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5330	0.00	0.02	92	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	7.56	7.57	21.41	2017	ECDA, ICDA, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.12	0.19	362.6	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
197C	20.90	20.93	150.12	2017	ECDA, ICDA, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	9.54	9.63		#N/A	#N/A	477.49	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
150	12.54	12.55	52.82	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
109	27.94	27.97	132.16	2020	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	3.35	3.35	3.25	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.04	0.08	181.51	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	4	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	64.51	64.53	81.38	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	259.64	259.68	235.29	2020	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1815-02	19.49	19.49	2	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	120.03	120.07	234.43	2017	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-8	2.29	2.29	28.44	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
187	32.66	32.70	192.72	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	10.16	10.16	3.46	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	2.3	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
134A	32.53	32.53	19.94	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	71.92	71.94	78.31	2020	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	8.43	8.43	0.11	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	20.49	20.82		#N/A	#N/A	1838.29	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
108	6.39	6.41	115	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	29.1	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-04	0.00	0.00	0.01	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105N	23.68	23.81	828.38	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
210B	25.98	25.98	3.31	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
148	15.34	15.34	13.26	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	42.83	42.84	53.82	2022	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
0651-01	1.64	1.64	15.49	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.24	14.29	472.19	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	4.01	4.02	20.35	2022	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4388	0.07	0.07	9.03	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0650-01	0.91	0.91	0.29	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-09	0.16	0.17	11.82	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	13.49	13.49	4.04	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1617-01	0.00	0.00	0.89	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0807-01	0.47	0.50	277.16	2016	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
119A	2.16	2.28	848.41	2018	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-MC79D	0.15	0.15	4.13	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
153	27.88	27.88	1.89	2019	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0805-01	0.00	0.00	0.48	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	4.30	4.30	1	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	3.16	3.27	484.04	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300B	283.25	283.72	2623.6	2025	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	3.21	3.21	29.06	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
173	6.79	6.80	29.06	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5483	0.00	0.00	2.58	2025	ECDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	70.62	70.62	7.4	2020	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1209-01	5.91	5.99	386.09	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181A	15.31	15.31	1.31	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	5	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	137.01	137.03	107.47	2016	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1205-02	0.30	0.36	380.97	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.24	14.24	20.75	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7224-12	0.00	0.00	1.76	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021A	12.47	12.48	108.82	2017	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	4.66	4.77	572.78	2022	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4207	0.60	0.60	0.49	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1613-05	0.02	0.06	510.85	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0618-03	1.47	1.47	5.9	2020	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-01	3.16	3.16	0.13	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3008-01	0.00	0.00	1.72	2018	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.71	0.74	177.99	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	7	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	114.49	114.51	87.38	2019	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	502.24	502.24	7.42	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181A	15.31	15.31	8.08	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	4	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.45	6.48	144	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	37.86	37.87	64.23	2018	ECDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	11.92	11.94	111.04	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	7.77	7.77	38.62	2022	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
103	4.06	4.06	11.98	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.27	6.32	51.11	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	260.62	260.63	14.64	2020	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
197B	4.07	4.10	150.62	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	8.14	8.22	428.66	2022	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7221-16	0.30	0.39	458.45	2016	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021E	60.45	60.46	60.87	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
187	46.55	46.58	171.69	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	39.32	39.32	28.05	2022	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1601-09	0.86	0.86	0.19	2020	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	16.45	16.45	22.59	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-15	0.11	0.11	19.59	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	3.78	3.78	28.23	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1501-02	4.53	4.55	74.77	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6460	19.28	19.28	3.21	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0613-02	0.27	0.27	0.49	2016	ECDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.59	5.59	4.4	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1881-01	2.66	2.66	3.56	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	3.98	3.99	18.06	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5923	0.21	0.21	2.99	2017	ECDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-16	1.20	1.20	4.83	2017	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	122.32	122.33	43.22	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	484.19	484.19	22.98	2018	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-20	11.65	11.66	25.26	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	6.07	6.07	1.2	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
7202-02	0.00	0.00	0.1	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	474.09	474.10	100.91	2021	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
402	18.14	18.15	38.54	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	293.83	293.86	122.36	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021H	11.96	12.05	223.78	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	0.70	0.70	23.09	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	4.63	4.64	55.64	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	363.43	363.47	269.37	2019	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4185	0.00	0.00	0.33	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021B	2.22	2.23	64.85	2017	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4281	0.09	0.09	3.45	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	3.16	3.21	185.99	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	2.31	2.31	31.75	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5919	0.16	0.16	4.71	2017	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	2	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
134A	34.33	34.34	39.48	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	64.71	64.72	47.51	2020	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.24	6.24	0.2	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7223-01	0.14	0.14	0.28	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300A	486.97	486.97	1.77	2021	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
162A	1.82	1.83	26.71	2019	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	8.04	8.14	515.81	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	26.40	26.46	309.69	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0833-01	5.90	5.90	10.45	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	8.62	8.78	716.55	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	1.80	1.87	430.96	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
400-3	297.88	297.88	7.55	2018	ECDA, ICDA, SCCDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	10.41	10.42	24.42	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.60	0.71	559.8	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1602-01	0.00	0.00	0.01	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST8231	0.26	0.26	27.49	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
197A	39.95	39.95	19.58	2018	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1611-01	0.92	0.95	158.82	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
331B-2	0.00	0.00	4.25	2019	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	97.07	97.07	9.28	2019	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	10.16	10.17	21.64	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	5.48	5.48	1.4	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0611-06	0.13	0.13	0.04	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.46	4.61	846.3	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
306	68.48	68.49	37.45	2018	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4793	0.11	0.11	0.9	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4814	0.00	0.01	21.93	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1816-01	16.81	16.87	308.55	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1223-01	0.74	0.74	4.14	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4280	0.00	0.02	68.54	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7227-05	0.10	0.11	32.52	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	8.05	8.14	424.81	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-01	3.73	3.79	394.96	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118B	28.54	28.54	40.3	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119A	0.00	0.00	3.2	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	0.48	0.50	134.98	2018	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1004-01	4.67	4.69	87.07	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	294.34	294.34	14.54	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
7204-01	0.53	0.53	1.15	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
162A	1.53	1.53	13.18	2019	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.10	7.18	660.61	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
401	378.49	378.50	73.14	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	3.25	3.25	18.51	2018	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	344.89	344.91	180.93	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021B	11.05	11.07	100.93	2017	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.08	7.10	223.94	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
103	23.23	23.26	213.01	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1023-01	2.83	2.83	0.29	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.99	1.00	49.24	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.35	14.36	89.65	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
7221-16	0.14	0.14	0.33	2016	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	24.89	24.90	39.25	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.46	0.49	127.94	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	60.46	60.64	938.52	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

Assessment Plan
Change Log

Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
107	38.11	38.12	3.24	2017	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119B	10.16	10.16	3.89	2016	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	1.11	1.11	0.45	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1519-04	1.00	1.00	0.02	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	1.78	1.80	88.84	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	26.52	26.58	331.53	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
118B	10.00	10.00	0.32	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	1.43	1.45	115.36	2017	ECDA, ICDA, Hydrotest		12/25/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5959	0.10	0.10	2.8	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	502.64	502.64	18.34	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	395.50	395.50	5.53	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	1.28	1.28	10.25	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	6.91	6.92	18.51	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5916	0.00	0.02	75.89	2017	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400-3	297.45	297.49	191.08	2018	ECDA, ICDA, SCCDA, Hydrotest		12/21/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	3.15	3.16	31.49	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DREG3762	0.00	0.00	10.9	2025	ECDA, ICDA, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.85	0.88	150.39	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1602-01	0.08	0.14	347.27	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	137.38	137.38	2.4	2016	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-8	1.68	1.69	22.86	2020	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
187	41.54	41.54	7.81	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X14138	0.00	0.03	175.67	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-13	0.75	0.75	4.42	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-MD2	0.00	0.00	1.5	2025	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1518-02	0.00	0.01	44.24	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5955	0.70	0.70	0.21	2016	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
197C-2	2.20	2.21	40.14	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6511	0.35	0.35	0.89	2020	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5800	0.99	0.99	0.87	2020	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-16	0.00	0.00	0.36	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1641-01	0.43	0.44	31.53	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1310-01	1.29	1.29	0.49	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
148	17.63	17.63	2.31	2016	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1302-01	1.77	1.77	0.35	2016	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1816-01	11.52	11.54	86.35	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
147	0.82	0.85	234.11	2016	ILI, SCCDA		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
303	7.77	8.08	1669.46	2022	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
119A	16.46	16.46	3.69	2016	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-T1	0.12	0.12	0.04	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-01	3.90	3.95	286.42	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118B	9.46	9.46	1.75	2020	ILI		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1613-06	1.37	1.42	246.81	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
303	24.69	24.71	94.86	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	1.11	1.13	105.38	2020	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5969	0.22	0.22	0.08	2019	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
331B-2	0.70	0.70	12.68	2022	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.41	6.45	160	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
124A	20.01	20.15	755.53	2016	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	0.2	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	298.84	298.84	5.8	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7223-01	9.78	9.78	12.63	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162A	4.43	4.47	188.49	2019	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.09	5.09	13.97	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	12.67	12.67	9.32	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3426	8.86	8.89	68.7	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-04	2.25	2.27	73.89	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
105N	6.90	6.91	5.4	2018	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
210B	18.47	18.47	13.05	2019	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5754	0.10	0.13	154.02	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	14.16	14.17	45.96	2017	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.73	4.73	2.58	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4388	0.07	0.07	27.26	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST10030	0.47	0.47	2.16	2019	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.93	15.07	787.53	2025	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7224-12	0.09	0.10	25.47	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021A	12.35	12.35	2.65	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	25.34	25.39	313.15	2017	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4207	0.00	0.02	39.66	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
1816-01	12.05	12.18	687.15	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	13.08	13.20	1147	2020	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	25.76	25.82	363.15	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119B	8.84	9.02	859.81	2025	ILI		12/30/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	83.73	83.82	547.52	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0611-02	0.00	0.01	13.55	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-01	2.65	2.73	459	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
300B	245.86	245.92	325	2017	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0611-07	0.49	0.49	1.3	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
352	13.14831	13.43037	7868	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021H	1.65218	1.82018	913	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118D	83.36735	83.57640	1104	2025	ECDA, ICDA, SCCDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142S	0.02000	0.16667	774	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142S	3.00000	3.20081	1051	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	6.47168	6.48089	49	2019	ILI		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	6.48089	6.49061	51	2019	ILI		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	19.44358	19.45906	82	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	19.45906	19.47751	97	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	19.47751	19.52000	224	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
210B	19.39780	19.41382	120	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.41382	19.44529	166	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.44529	19.45966	76	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.46036	19.48000	104	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.59000	19.59815	43	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.59815	19.65281	289	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.65281	19.66910	86	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.34798	19.37406	138	2020	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.37406	19.44579	379	2020	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.44579	19.48789	222	2020	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7221-15	1.79000	2.23703	2379	2017	ECDA, ICDA, SCCDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3423	0.00000	0.00038	2	2022	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3423	0.00038	0.00265	12	2022	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG15576	0.00114	0.07367	383	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG15576	0.07367	0.07424	3	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG15576	0.07424	0.07500	4	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB16522	0.00000	0.00057	3	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB16522	0.00057	0.00322	11	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB16522	0.00322	0.00587	20	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	66.13	66.15	101.08	2016	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	6.17	6.24	430.3	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX J

2015 TRANSMISSION INTEGRITY MANAGEMENT – ASSESSMENT PLAN – STANDARD PACIFIC GAS LINE, INC.

Data Key

Name	Explanation
HCA	HCA designation.
ROUTE	Line number of pipeline.
Begin Mile Point	Beginning Mile Point for the first segment of HCA.
End Mile Point	End Mile Point for the last segment of HCA.
Footage	This field denotes the cumulative footage of the HCA
Maximum Risk	The maximum risk calculated for all contiguous HCA segments within a HCA.
HCA Identification Date	This date is determined by the earliest born date for all contiguous HCA segments within a HCA.
HCA Previous Assessment Date	Data that the earliest assessment completion date within of all contiguous segments within a HCA or the inlet and outlet of a station.
HCA Assessment Due	The date is determined by the earliest assessment due date of all contiguous segments within a HCA or the inlet and outlet of a station per RMP-06.
HCA Assessment Plan Year	The planned year established to perform the integrity assessment(s). This is based on the external corrosion threat due date.
Planned Assessment Method(s)	This field identifies the planned assessment method(s) selected to address the threats identified on the HCA
EC Threat	External Corrosion Threat. Determined per Risk Management Procedure RMP-16 Section 7.1
IC Threat	Internal Corrosion Threat. Determined per Risk Management Procedure, RMP-16 Section 7.2
SCC Threat	Stress Corrosion Cracking Threat. Determined by Risk Management Procedure, RMP-16 Sect. 7.3
Manuf. (Seam) Threat	Seam related Manufacturing Threats. Determined per Risk Management Proc., RMP-16 Sect. 7.4
Manuf. (Body of Pipe) Threat	Manufacturing Threat from body of pipe threats. (Non-Seam Related). Determined per Risk Management Procedure, RMP-16 Section 7.4
Const. Threat	Construction Threat. Determined by Risk Management Procedure, RMP-16, Sec. 7.5
TPD Threat	Third Party Threat. Determined by Risk Management Procedure, RMP-16 Section 7.7
WROF Threat	Weather and Outside Forces Threat. Determined by Risk Management Proc., RMP-16 Sect. 7.9
EQUIP Threat	Equipment Threat. Determined by Risk Management Procedure, RMP-16 Section 7.6
IO Threat	Incorrect Operation Threat. Determined by Risk Management Procedure, RMP-16 Section 7.8

Assessment Plan
Pipeline

HCA	Route	Begin MP	End MP	Footage	Maximum Risk	HCA Identification Date	HCA Previous Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Planned Assessment Method(s)	EC Threat	IC Threat	SCC Threat	Mfg. Seam Threat	Mfg. Body of Pipe Threat	Const. Threat	TPD Threat	WROF Threat	EQ Threat	IO Threat
1425	BD9499	181.42	181.43	62	41,560	2/18/2011	10/10/2012	10/6/2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1426	BD9500	181.42	181.42	5	44,055	2/18/2011	10/10/2012	10/6/2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	High
1623	DREG5645	0.04	0.29	1232	45,072	12/17/2004	10/10/2012	10/6/2019	2018	ECDA, ICDA	Yes	Yes	No	Medium	Yes	Unstable	Yes	Yes	Medium	High
1689	RYER	0.19	0.35	900	25,010	12/17/2004	8/31/2010	8/31/2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1690	SP3	193.02	198.49	32218	64,431	12/17/2004	2/3/2014	2/3/2021	2021	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1693	SP3	191.32	192.75	7454	48,980	12/17/2004	2/3/2014	2/3/2021	2021	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1694	SP3	181.02	184.47	19684	64,431	12/17/2004	2/3/2014	2/3/2021	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1695	SP3	177.39	179.69	12581	64,431	12/17/2004	2/3/2014	2/3/2021	2019	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1696	SP3	189.99	190.38	2227	33,459	12/17/2004	2/3/2014	2/3/2021	2021	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1697	SP3	175.80	176.13	2243	41,180	12/17/2004	2/3/2014	2/3/2021	2021	ILI	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	Low
1698	SP3	167.32	175.62	44179	64,431	12/17/2004	2/3/2014	12/31/2018	2018	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1699	SP3-1	0.00	0.00	10	49,358	12/17/2004	10/10/2012	10/6/2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1700	SP4Z	8.45	8.76	1909	39,643	12/17/2004	10/10/2012	10/6/2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1701	SP5	2.02	5.27	14010	49,216	12/17/2004	8/31/2010	8/31/2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
1702	SP5	0.86	1.74	4605	41,264	12/17/2004	8/31/2010	8/31/2017	2017	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1703	SP5	0.20	0.69	2615	41,264	9/15/2009		9/15/2019	2017	ILI	Yes	Yes	No	Medium	Yes	Stable	Yes	Yes	Medium	Low
1790	STUB8203	0.00	0.00	32	40,628	12/17/2004	10/10/2012	10/6/2019	2018	ECDA, ICDA, Hydrotest	Yes	Yes	No	High	No	No	Yes	Yes	Medium	Low
1812	STUB8889	0.00	0.01	41	35,167	12/12/2008	12/10/2013	10/7/2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1813	STUB8891	0.00	0.00	3	45,852	12/17/2004	12/10/2013	10/7/2020	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1814	STUB8893	0.00	0.01	46	34,676	12/23/2008	2/3/2014	2/3/2021	2019	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
1817	STUB8915	0.00	0.01	36	43,111	12/11/2008	10/10/2012	10/6/2019	2018	ECDA, ICDA	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
1878	X6587	0.00	0.00	3	48,149	12/17/2004	10/10/2012	10/6/2019	2016	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
1903	SP3	198.49	198.68	1186	64,431	12/17/2004	12/10/2013	10/6/2019	2018	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
1905	SP3	167.28	167.32	212	64,431	12/17/2004	12/10/2013	10/7/2018	2017	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
2407	SP3	176.68	176.98	1541	31,466	12/31/2014		12/31/2024	2021	ILI	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2467	SP5	3.87	3.89	108	46,923	12/17/2004	8/31/2010	8/31/2017	2017	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2468	SP5	4.60	5.78	6022	49,216	12/17/2004	12/10/2013	8/31/2017	2017	ILI, SCCDA, Hydrotest	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	Low
2551	STUB8917	0.00	0.00	0	39,766	12/31/2015		12/31/2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2628	BD16444	0.00	0.00	1	38,717	12/29/2015		12/29/2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Low	High
2635	BD749	0.00	0.00	1	38,474	12/29/2015		12/29/2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	Low
2642	BD9513	183.03	183.03	0	37,662	12/24/2015		12/24/2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High
2831	X6586	0.00	0.00	5	44,157	12/31/2015		12/31/2025	2025	ECDA, ICDA	Yes	Yes	No	Low	No	No	Yes	Yes	Medium	High

Assessment Plan
Stations

Station Name	Date HCA Identified	HCA Last Assessment Date	HCA Assessment Due	HCA Assessment Plan Year	Risk	Planned Assessment Method	EC Threat	IC Threat	SCC Threat	Manufacturing (Seam) Threat	Manufacturing (Body of Pipe) Threat	Construction Threat	TPD Threat	WROF Threat	Equip Threat	IO Threat
Antioch Town_PG&E(191, SP3) Antioch Town_StanPac(191, SP3)	12/31/2008	4/21/2010	4/21/2017	2017	48,820	ECDA, ICDA, SCCDA	Yes	Yes	No	High	Yes	Stable	Yes	Yes	Medium	High
Concord(SP3)	12/31/2010	8/7/2012	6/5/2019	2018	64,431	ECDA, ICDA, SCCDA	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
Delta Fair Jct	12/31/2008	12/10/2013	10/7/2020	2019	64,431	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High
Pinole(DREG, SP3)	12/31/2010	8/7/2012	6/5/2019	2018	44,127	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	No	Low	No	Stable	Yes	Yes	Medium	High
San Pablo(SP3)	12/31/2008	12/10/2013	10/7/2020	2019	64,431	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Stable	Yes	Yes	Medium	High
SP3 & L191	12/31/2008	1/16/2010	1/14/2017	2017	64,431	ECDA, ICDA, SCCDA, Hydrotest	Yes	Yes	Yes	High	Yes	Unstable	Yes	Yes	Medium	High

Assessment Plan
Change Log

Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
STUB13632	0.00	0.00	0.5	2025	ECDA, Hydrotest		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8917	0.00	0.00	0.25	2025	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7838	0.00	0.00	0.33	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8717	0.00	0.00	0.2	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7554	2.10	2.10	0.5	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8148	0.00	0.00	0.54	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DRIP8840	0.00	0.00	1.2	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7099	0.00	0.00	0.3	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10272	0.00	0.00	0.37	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8893	0.01	0.01	0.7	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11140	0.00	0.00	4.13	2016	ILI		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP7996	0.01	0.01	0.9	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3254	0.00	0.00	1.42	2016	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0112-06	0.00	0.00	0.42	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB11140	0.01	0.01	0.5	2016	ILI		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST7729	0.00	0.02	91.28	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DFDS6819	0.00	0.00	4.05	2025	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X11160	0.00	0.00	2.2	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11135	0.01	0.01	0.7	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF8450	0.00	0.00	1.08	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG10821	0.05	0.05	1.96	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11125	0.02	0.02	0.88	2021	ILI		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3632	0.00	0.00	4.51	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6486	0.00	0.00	2.72	2017	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6244	0.01	0.01	1.3	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6113	0.00	0.00	3.7	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13547	0.00	0.00	0.5	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD632	0.00	0.00	0.4	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5835	0.23	0.23	7.98	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-10	0.00	0.00	1.41	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	5.61	5.61	25.34	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	176.89	176.98	421.27	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4888	0.00	0.00	0.02	2016	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0817-01	0.19	0.25	304.8	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5646	0.04	0.05	28.79	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4888	0.02	0.02	1.39	2016	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0813-01	1.19	1.19	4.03	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	186.44	186.44	3.38	2020	ECDA, ICDA, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	11.61	11.78	919.89	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6114	0.00	0.00	1.34	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0817-01	0.44	0.47	97.64	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	450.31	450.33	67.72	2016	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	127.75	127.76	45.41	2016	ECDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4796	0.00	0.01	131.3	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
123	11.78	11.82	196.81	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS10651	0.00	0.00	0.21	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138	43.08	43.08	0.16	2022	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	260.68	260.71	318.35	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301G	0.14	0.14	1.22	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	3.75	3.75	3.65	2016	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0621-01	0.00	0.07	309.1	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
057A-MD3	0.29	0.30	42.89	2017	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5835	0.02	0.05	152.47	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	2.19	2.27	446.39	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5312	0.00	0.02	31.3	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG7562	0.06	0.13	367.17	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
8807-01	0.00	0.01	23.47	2025	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5958	0.20	0.23	125.67	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	7.05	7.06	93.3	2021	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0404-11	0.04	0.04	0.04	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5958	0.00	0.19	1017.05	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	6.95	6.95	2.17	2018	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-50	0.00	0.00	0.09	2016	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5748	0.31	0.34	150.89	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	308.46	308.46	30.45	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105N-2	0.00	0.00	0.26	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057B	16.68	16.68	0.18	2020	ILI		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13871	0.00	0.01	0.9	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-MC	0.42	0.42	3.63	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

Assessment Plan
Change Log

Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
DREG5480	0.75	0.87	738.12	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A	276.65	276.81	877.74	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5888	0.00	0.00	6.6	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	16.68	16.70	94.56	2025	ILI		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142N-3	0.38	0.42	169.71	2024	ECDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	71.85	71.86	2.56	2022	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4583	0.04	0.04	0.4	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.24	0.26	139.09	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST6976	0.02	0.02	2.37	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	1.00	1.00	0.69	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
124B	22.76	22.76	28.63	2019	ILI, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5857	0.13	0.15	124.53	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0604-01	2.69	2.69	36.4	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3654	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1202-01	0.95	1.01	349.19	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300B	154.11	154.11	2.41	2016	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5783	0.41	0.45	224.43	2022	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	6.69	6.69	1.31	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4921	0.00	0.00	0.01	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0203-01	0.81	0.82	42.95	2022	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4921	0.04	0.07	175.61	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5958	0.67	0.67	2.99	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	3.54	3.55	30.14	2018	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
191-1	25.99	26.03	232.67	2019	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF3341	0.00	0.00	0.15	2020	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	192.73	192.75	130.1	2021	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0141-01	0.31	0.35	354.91	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DF3341	0.00	0.00	1.26	2020	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	177.39	177.39	0.11	2019	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3341	0.00	0.00	0.01	2020	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5646	0.00	0.01	34.93	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14113	0.00	0.00	0.33	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0813-01	0.41	0.42	15.01	2016	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	6.45	6.50	304.86	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4197	0.01	0.02	102.2	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300A	127.92	127.92	14.32	2016	ECDA, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138	38.36	38.36	38.28	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD15007	0.00	0.00	1.18	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1603-03	0.20	0.25	223.66	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3740	0.00	0.00	0.32	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0639-02	0.11	0.11	2.49	2016	ECDA		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0804-03	0.00	0.00	0.48	2025	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
X6475	0.03	0.03	0.02	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST8795	0.84	0.84	3.2	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5805	0.03	0.07	198.43	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0617-10	4.51	4.52	73.44	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	2.98	2.98	38.77	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
191A	3.46	3.46	1.35	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0617-08	1.06	1.07	25.04	2016	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5956	0.00	0.03	113	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	9.88	9.92	224.83	2019	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	3.58	3.63	205.68	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0609-02	0.65	0.65	0.07	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
181B	10.85	10.85	2.49	2019	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
401	185.71	185.71	16.76	2020	ECDA, ICDA, SCCDA		12/9/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	3.48	3.49	21.41	2016	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3651	0.00	0.00	1.2	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
301C	17.21	17.27	338.14	2025	ECDA, ICDA, Hydrotest		12/26/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300A	237.44	237.44	7.02	2016	ECDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0820-01	0.41	0.45	169.14	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1606-01	0.13	0.13	1.8	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4868	0.18	0.24	319.61	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-20	0.00	0.01	53.65	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1519-01	0.78	0.78	8.77	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	273.88	273.88	3.32	2019	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS13998	0.00	0.00	19.81	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5480	0.87	0.87	13.68	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
GCUST5888	0.00	0.03	145	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	8.58	8.59	3.08	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
134B	3.14	3.34	1106.78	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.58	0.61	135.34	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5300	0.01	0.01	20	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5640	0.00	0.00	0.8	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	3.19	3.24	92.11	2018	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5958	0.19	0.20	66.53	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
3017-01	6.61	6.68	343.26	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5748	1.91	1.94	193.57	2022	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0402-01	2.36	2.36	0.89	2016	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	6.68	6.69	42.48	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DREG4904	0.01	0.01	1.6	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105N-2	1.29	1.29	1.9	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	0.94	0.95	12.96	2016	ECDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG5480	0.87	0.90	175.6	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A	276.33	276.57	1184.13	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS13846	0.05	0.05	0.01	2021	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	16.58	16.68	525.63	2025	ILI		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142N-3	0.07	0.08	42.19	2021	ECDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	72.25	72.25	27.21	2022	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1305-45	1.83	1.83	1.62	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
200A-3	1.07	1.13	328.3	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	14.10	14.11	28.44	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	1.87	1.87	0.63	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
126B	4.70	4.74	208.42	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-01	3.60	3.73	676.63	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	12.99	13.00	30.86	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1617-01	0.58	0.61	183.35	2020	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0807-01	0.05	0.06	1.25	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119A	1.61	1.66	287.74	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	0.34	0.35	70.45	2018	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	31.22	31.23	43.91	2016	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1613-05	1.24	1.25	64.07	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4904	0.00	0.00	1.54	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4089	0.00	0.05	229.14	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	6.00	6.04	193.04	2018	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	32.78	32.78	5.69	2018	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST8202	0.02	0.02	0.18	2020	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	5.01	5.05	194.73	2017	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1816-50	0.00	0.00	0.53	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5748	0.08	0.10	155.73	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	1.93	1.93	0.39	2018	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-01	2.58	2.65	350.05	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0805-01	1.04	1.09	275.73	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	29.34	29.34	23.57	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	143.83	143.84	66.39	2021	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105B-2	0.65	0.65	6.64	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118B	3.58	3.58	25.85	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-M15	0.40	0.40	0.36	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1303-02	0.00	0.00	0.57	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	5.41	5.42	30.53	2018	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS13923	0.00	0.00	0.27	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
191-1	34.84	34.84	10.08	2019	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
SP3	198.68	198.68	5.59	2018	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD10134	0.00	0.00	0.57	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5845	0.31	0.33	141.61	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0817-01	0.96	1.28	1337.72	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5645	0.04	0.08	228.89	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5090	0.03	0.03	6.67	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300B	446.07	446.09	69.8	2016	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5845	0.39	0.39	0.79	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	6.38	6.39	18.89	2018	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
2405-01	0.62	0.62	0.35	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X8828	0.01	0.01	1.19	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1603-01	2.14	2.14	0.62	2018	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4436	0.00	0.06	184.82	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
191-1	19.01	19.02	36.12	2017	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	5.24	5.24	23.6	2018	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4436	0.08	0.08	5.6	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	191.32	191.39	354.87	2021	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
0141-01	0.35	0.42	470.54	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.03	7.03	8.34	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
401	144.00	144.01	60.64	2021	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.56	5.56	1.95	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3825	0.01	0.01	0.9	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105N	13.49	13.50	202.27	2020	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0604-01	3.95	3.95	12.54	2019	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST9773	0.00	0.00	0.37	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD68	0.00	0.00	20.1	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD545	0.00	0.03	124.04	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0638-02	1.80	1.80	0.95	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0604-01	5.19	5.19	1.29	2019	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	276.57	276.65	406.46	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
1611-03	0.00	0.00	12.26	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	3.13	3.15	122.97	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	490.41	490.43	95.82	2020	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	2.42	2.43	32.05	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	5.30	5.30	9.11	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5916	0.10	0.10	0.99	2017	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.56	0.60	208.58	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5877	0.20	0.22	125.59	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	13.73	13.79	305.41	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	0.07	0.08	47.58	2018	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3426	9.59	9.59	8.7	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105N	13.31	13.31	3.02	2020	ILI		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
210B	13.77	13.79	82.68	2019	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021G	15.86	15.86	21.32	2017	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.69	4.73	230.92	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
400-6	0.00	0.00	0.08	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
186	24.27	24.28	66.31	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	0.00	0.15	863.43	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4161	0.07	0.18	612.25	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
2408-11	0.17	0.36	1026.25	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	5.29	5.29	0.28	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG7562	0.00	0.06	303.83	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0117-01	0.00	0.00	1.9	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6511	0.00	0.00	0.26	2020	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
2403-12	2.88	2.88	0.49	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.95	0.99	217.65	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
189	1.72	1.72	0.89	2019	ILI, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	6.51	6.52	58.75	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-16	1.67	1.69	62.7	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	1.82	1.82	18.42	2017	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1209-02	0.53	0.54	40.94	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	17.68	17.70	59.37	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7227-05	0.98	1.01	116.55	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1423	0.34	0.34	11.72	2020	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	0.00	0.00	0.6	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7216-03	11.48	11.62	706.07	2021	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0123-01	0.07	0.07	0.1	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	3.82	3.82	71.09	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0611-08	0.06	0.06	1.45	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4198	0.04	0.04	3.24	2022	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	127.42	127.42	11.48	2016	ECDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5845	0.00	0.08	408.51	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
057A-MC79S	0.16	0.16	25.25	2020	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
123	11.06	11.08	108.67	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF8158	0.00	0.03	139.28	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-03	1.69	1.69	0.02	2016	ILI		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
138	45.14	45.14	4.34	2016	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	259.58	259.59	32.1	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
123	6.89	6.89	29.58	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST7757	0.12	0.12	0.99	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-17	2.23	2.23	23.71	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301F	3.28	3.29	23.03	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5477	0.13	0.13	8.42	2019	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1302-01	1.39	1.41	87.84	2016	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	17.58	17.68	580.29	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
147	3.57	3.57	3.3	2016	ILI, SCCDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
0833-01	6.50	6.50	0.88	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1423	0.34	0.35	47.96	2020	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
1816-01	17.52	17.58	479.65	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
7221-16	0.39	0.70	1638.38	2016	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	26.46	26.52	319.36	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1523-01	2.58	2.58	0.54	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	60.64	60.75	593.74	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
375	4.84	4.84	10.79	2017	ECDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	59.27	59.39	632.17	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-8	1.55	1.55	1.86	2020	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
187	52.95	52.96	23.83	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3781	0.02	0.02	0.6	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3626	0.00	0.00	0.6	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS8559	0.00	0.00	0.7	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6164	0.00	0.00	1.6	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6151	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6032	0.00	0.00	0.2	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3449	0.00	0.00	1.67	2021	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13549	0.00	0.00	0.3	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9935	0.41	0.41	0.3	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11119	0.00	0.00	0.84	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD361	0.00	0.00	0.3	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD13541	0.02	0.02	0.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10791	0.00	0.00	0.5	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11254	0.00	0.00	0.3	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-15	0.00	0.00	0.9	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6111	12.81	12.81	9.3	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4176	0.01	0.01	0.6	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9175	0.00	0.00	0.3	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG9910	0.00	0.00	0.12	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS10554	0.00	0.00	21.2	2025	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11487	0.00	0.00	0.67	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1880-08	0.00	0.02	205.57	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11366	0.00	0.01	57.4	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD297	0.00	0.00	1.6	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3223	0.00	0.00	0.62	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6333	0.02	0.02	0.7	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3498	0.00	0.00	12.2	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5836	0.00	0.09	381.37	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6337	0.00	0.01	2.4	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9190	0.00	0.01	54.93	2025	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8957	0.00	0.00	0.22	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8383	0.00	0.00	0.58	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST2254	0.00	0.00	0.45	2025	ECDA, ICDA, Hydrotest		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB7555	0.00	0.00	0.3	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11123	0.00	0.00	3.08	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF9014	0.00	0.00	0.2	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11123	0.01	0.01	0.75	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8889	0.01	0.01	0.4	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
123	3.80	3.87	357.25	2016	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF11091	0.00	0.00	6.6	2021	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0126-01	1.84	1.84	6.79	2016	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
123	3.75	3.80	272.33	2016	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DCUST2584	0.26	0.71	2381.44	2025	ECDA, ICDA		12/21/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300A	242.76	242.96	871.89	2016	ECDA, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0820-01	0.47	0.52	280.25	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
057C	0.00	0.00	8.7	2020	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301F	7.12	7.12	2.65	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6381	0.12	0.12	3.9	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0804-01	0.00	0.00	0.33	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301C	14.61	14.61	3.12	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0820-01	0.45	0.47	88.17	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
GCUST8795	0.69	0.76	327.27	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST7836	0.00	0.03	155.96	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6335	0.00	0.00	1.2	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11143	0.00	0.00	1.74	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8203	0.00	0.00	0.05	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD9500	181.42	181.42	0.33	2018	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10825	0.01	0.01	0.3	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
DREG6900	0.00	0.00	0.1	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF7537	0.00	0.00	1.6	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5574	0.01	0.01	1.8	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5418	0.02	0.02	2.5	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST8541	0.00	0.00	0.2	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9146	0.00	0.00	0.4	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5396	0.00	0.00	0.05	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG3795	0.00	0.00	1.4	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB8269	0.00	0.00	0.14	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6218	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF9198	0.00	0.00	0.94	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6188	0.00	0.00	1.08	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10963	0.01	0.01	0.92	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF8849	0.00	0.00	0.73	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6082	0.00	0.00	0.2	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD7046	0.02	0.02	1.5	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10768	0.01	0.01	1.2	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11117	0.00	0.00	0.03	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP5655	0.00	0.00	3	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST2586	0.01	0.01	2	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF13782	0.02	0.02	0.01	2021	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11116	0.02	0.02	0.7	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11110	0.00	0.00	0.3	2017	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7540	0.00	0.00	0.4	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7078	3.57	3.57	0.3	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3222	0.00	0.00	0.3	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6186	0.00	0.00	0.3	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6380	0.00	0.00	0.37	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB6110	12.79	12.79	0.5	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3441	0.00	0.00	8.72	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD388	0.00	0.00	0.16	2019	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB11358	0.01	0.01	1.31	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP8710	0.02	0.02	0.4	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4720	0.01	0.03	126.41	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11344	0.01	0.01	0.58	2016	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD13597	0.00	0.00	2.8	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X9037	0.00	0.01	30	2025	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF7569	0.00	0.00	0.01	2016	ECDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8706	0.01	0.01	0.8	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3475	0.00	0.00	0.01	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6538	0.00	0.00	0.01	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6485	3.86	3.86	4.6	2016	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD83	0.00	0.00	0.28	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST7651	0.00	0.00	0.06	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD80	22.81	22.81	0.01	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6526	0.26	0.26	2.5	2016	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1519-01	2.54	2.54	12.09	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A	278.47	278.51	203.38	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS14008	0.00	0.00	0.28	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
153-6	0.06	0.06	2.89	2018	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1501-01	1.03	1.03	1.56	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5480	0.69	0.75	304.05	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF8784	0.01	0.01	3.4	2016	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD9853	0.00	0.00	0.75	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0617-08	3.29	3.29	2.4	2016	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138E	0.29	0.33	190.86	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD616	0.02	0.02	1.5	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0617-10	4.20	4.20	0.95	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0608-01	3.19	3.19	1.93	2019	ILI		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG7562	0.22	0.22	0.35	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-04	0.00	0.00	1.94	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	83.91	83.91	34.12	2022	ILI		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
316-21	1.08	1.08	5.93	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	5.63	5.79	804.24	2018	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	33.51	33.51	18.93	2018	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0602-01	0.07	0.10	189.16	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD22169	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD10065	0.02	0.02	0.91	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD117	0.00	0.00	2	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Change Log

Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
STUB8696	0.00	0.00	2.07	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11253	0.00	0.00	0.3	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162B	1.67	1.67	0.3	2020	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4224	0.00	0.00	1	2021	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4086	0.01	0.01	0.4	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3839	0.00	0.00	0.37	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4345	0.02	0.02	2	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3378	0.00	0.00	0.01	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10273	0.00	0.00	0.33	2018	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP8713	0.00	0.00	1.2	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB10053	0.00	0.00	3.2	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10837	20.72	20.72		#N/A	#N/A	3.4	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
DF3337	0.00	0.00	2.16	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5638	0.00	0.00	1.7	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5479	0.00	0.00	7.56	2025	ECDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG5157	0.01	0.01	2.48	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3262	0.00	0.00	4.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3218	0.00	0.00	0.14	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST10553	0.00	0.00	5	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X9924	0.00	0.00	0.29	2025	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8743	0.00	0.00	0.08	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB9961	0.00	0.00	0.19	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD74	12.06	12.06	1.1	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9161	0.00	0.01	60.52	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13555	0.00	0.00	0.87	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8955	0.01	0.01	0.8	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8102	12.05	12.05	4.5	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3372	0.00	0.00	3	2025	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST8387	12.06	12.06	0.01	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3303	0.00	0.00	1	2018	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4900	0.00	0.00	0.21	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF3233	0.01	0.02	13	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB11077	0.02	0.02	8	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS8807	0.00	0.00	0.28	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD266	57.45	57.45	1.2	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10953	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF8819	0.00	0.00	0.01	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
SP3-1	0.00	0.00	0.02	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5642	0.00	0.00	0.03	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5820	0.02	0.02	2.4	2018	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD79	0.00	0.00	3	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP8840	0.00	0.00	1.12	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10054	0.00	0.00	1.2	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	0.35	0.36	46.04	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138E	0.45	0.49	171.94	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181B	6.78	6.80	90.99	2021	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138E	1.11	1.14	175.81	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	0.50	0.51	60.74	2021	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5748	1.72	1.72	5.89	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	321.56	321.57	74.63	2016	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
138E	0.04	0.09	256.75	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	2.67	2.68	17.3	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB8464	0.00	0.00	15.63	2025	ECDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
181B	4.34	4.34	1.68	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6408	0.00	0.00	15	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-50	0.00	0.00	1.11	2016	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5748	0.53	0.56	186.2	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3017-01	4.69	4.70	77.6	2018	ECDA, ICDA, SCCDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1611-04	0.69	0.69	0.01	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
2405-01	0.09	0.13	225.94	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8746	0.00	0.00	1.59	2018	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1603-01	2.15	2.16	48.7	2018	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8211	0.00	0.00	0.9	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD105	0.00	0.00	1.67	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3781	0.00	0.00	0.01	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7534	0.00	0.00	0.01	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD16444	0.00	0.00	1.4	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3649	0.00	0.00	0.5	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6203	0.00	0.00	1.5	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
STUB6174	0.00	0.00	0.26	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD115	0.00	0.00	3	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF8152	0.00	0.00	11.8	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS7095	0.00	0.00	0.01	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6117	0.00	0.00	0.01	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7841	0.00	0.00	0.13	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF7718	0.00	0.01	4.92	2025	ECDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD749	0.00	0.00	3.75	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD267	0.01	0.01	0.35	2018	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD361	0.01	0.01	2.3	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10064	0.02	0.02	0.5	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD10823	0.00	0.00	1.6	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6137	0.00	0.00	0.16	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD103	0.01	0.01	0.24	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11251	0.00	0.00	2.49	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119A-2	0.00	0.00	2.5	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10034	0.12	0.12	0.02	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD11144	0.00	0.00	0.1	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X10781	0.00	0.01	3.6	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3870	0.01	0.01	1.1	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3425	0.00	0.00	0.24	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11194	0.00	0.00	5	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6157	0.01	0.01	0.33	2018	ECDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3779	0.01	0.01	0.4	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1194	0.00	0.00	0.12	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5901	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11332	0.01	0.01	1.5	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3357	0.00	0.00	7.6	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5900	0.99	0.99	1.3	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4845	0.01	0.01	1.5	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS7722	0.00	0.01	41.93	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF16573	0.01	0.02	25.78	2023	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6466	0.04	0.04	2.3	2020	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD83	0.00	0.00	0.5	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5836	0.26	0.37	769.48	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5819	0.00	0.00	0.51	2018	ECDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9947	0.00	0.00	0.75	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11221	0.00	0.00	0.01	2017	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6458	0.02	0.02	2.75	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3524	0.01	0.01	0.01	2018	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10104	0.00	0.00	0.4	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3370	0.00	0.00	0.8	2025	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11295	1.42	1.42	0.81	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF3289	0.00	0.00	0.1	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3834	0.03	0.03	0.2	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF9014	0.00	0.00	0.01	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10633	0.00	0.00	2	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10206	0.00	0.00	3.3	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DF3261	0.00	0.00	0.33	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14112	0.00	0.00	0.44	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
057A-MT	0.58	0.58	0.01	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5480	0.12	0.15	182.7	2019	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	274.19	274.19	0.3	2019	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1401-01	0.27	0.27	6.45	2019	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4873	0.00	0.01	57.59	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	113.60	113.62	115.24	2016	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG3875	0.06	0.06	0.9	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.13	0.23	517.05	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1220-01	0.87	0.87	2.26	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
316-2	1.36	1.36	2.7	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5300	0.01	0.04	153	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST11066	0.00	0.00	0.19	2025	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11136	0.02	0.02	0.2	2021	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5814	0.00	0.00	0.1	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10070	5.92	5.92	0.2	2025	ECDA, ICDA, Hydrotest		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10015	0.00	0.00	0.3	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD9499	181.43	181.43	0.38	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP7983	0.00	0.00	0.08	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5418	0.00	0.00	1.5	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
2412-01	0.00	0.00	0.13	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8704	0.00	0.00	0.3	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3773	0.00	0.01	50.53	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6295	0.00	0.00	0.29	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD15185	0.00	0.00	1.3	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6190	0.00	0.00	0.2	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4867	0.00	0.00	0.17	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3225	0.00	0.00	4.6	2025	ECDA, ICDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF11087	0.00	0.00	3.1	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6338	16.66	16.66	2.7	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8547	16.67	16.67	0.3	2016	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD13550	0.00	0.00	0.45	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13739	0.00	0.00	2.5	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5465	0.01	0.01	0.2	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7977	0.01	0.01	0.5	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3215	0.00	0.00	8.3	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB7894	0.00	0.00	0.7	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB7077	3.56	3.56	0.18	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD81	0.01	0.01	0.49	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3490	0.00	0.00	1.5	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11295	1.42	1.42	0.3	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DFDS3562	0.00	0.00	3.8	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD78	0.00	0.00	0.32	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG10821	0.00	0.00	0.13	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3632	0.00	0.00	1.3	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF11285	0.00	0.00	6.9	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD83	0.00	0.00	0.07	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD80	22.81	22.81	3.68	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD74	12.07	12.07	0.6	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9189	0.00	0.02	92.68	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-01	1.10	1.11	2.87	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1217-01	3.00	3.00	1.85	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3012-01	0.17	0.17	0.43	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300B	154.46	154.55	523.64	2016	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
153-7	0.35	0.37	121.44	2021	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0604-01	4.38	4.38	6.97	2019	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD71	0.00	0.00	4.95	2022	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118F	0.19	0.19	20.51	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD602	0.02	0.02	0.01	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD68	0.00	0.03	157.8	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB6291	0.00	0.00	4.99	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5917	0.00	0.00	0.81	2017	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A-5	0.00	0.00	0.5	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD103	0.00	0.01	5.5	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11145	0.00	0.00	0.9	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-10	0.01	0.01	1.2	2020	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3525	0.00	0.00	22	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6073	0.00	0.00	0.19	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS7095	0.00	0.00	0.58	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11250	0.00	0.00	0.03	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X8309	0.00	0.00	0.44	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11164	0.00	0.00	0.3	2022	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9041	0.00	0.00	0.1	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB10876	0.00	0.01	69.81	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5792	0.00	0.00	0.46	2016	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10067	0.00	0.00	0.3	2016	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3373	0.00	0.00	0.12	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5840	0.02	0.02	3.2	2019	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4175	0.02	0.02	0.99	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3827	0.01	0.01	0.5	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3228	0.00	0.00	0.02	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST10739	0.02	0.02	3.71	2020	ECDA		12/22/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD9312	0.00	0.00	0.17	2025	ECDA, ICDA		12/21/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB8904	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3515	0.00	0.00	4	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3795	0.01	0.01	0.7	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST14396	0.01	0.01	0.5	2020	ECDA, ICDA, SCCDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4720	0.00	0.00	2.39	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11153	0.01	0.01	0.9	2021	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
BD14513	0.00	0.00	3.6	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST8387	12.14	12.14	0.58	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP5656	0.00	0.00	0.45	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3233	0.00	0.01	2.4	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X7082	0.04	0.04	0.01	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS8807	0.01	0.01	0.01	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5813	1.41	1.41	0.2	2020	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6173	0.00	0.00	0.2	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11090	0.01	0.01	0.7	2020	ILI		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7976	0.01	0.01	0.3	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7122	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST11420	0.00	0.00	2.19	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6320	0.01	0.01	0.42	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10105	137.29	137.29	0.5	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3779	0.00	0.00	1	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3576	0.00	0.00	3.34	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3250	0.00	0.00	0.01	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4718	0.04	0.04	0.5	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138	45.56	45.58	86.96	2016	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	1.98	1.98	1.39	2018	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4466	0.00	0.01	19.84	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	181.02	181.08	356.92	2019	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0141-01	0.24	0.31	404.02	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4453	0.00	0.01	1.48	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	176.68	176.72	251.7	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0817-01	1.30	1.30	0.42	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5645	0.29	0.29	0.69	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5786	0.01	0.01	0.6	2022	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	185.64	185.66	60.43	2020	ECDA, ICDA, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8212	0.00	0.00	1.09	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD14996	0.00	0.00	0.1	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3781	0.00	0.00	2.2	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB7534	0.00	0.00	0.12	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4731	0.01	0.02	29.6	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD9114	0.00	0.00	26.15	2025	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5492	0.00	0.01	7.9	2025	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4866	0.02	0.02	0.4	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6340	13.72	13.72	6.5	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD11092	0.03	0.03	0.51	2021	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8547	16.66	16.66	3.56	2016	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD107	0.00	0.00	1.33	2020	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD13542	0.03	0.03	0.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11345	0.00	0.00	1	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD15184	0.01	0.01	1.38	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3572	0.00	0.00	2.32	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD45	0.00	0.00	6	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF8153	0.00	0.01	45	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB6117	0.01	0.01	0.29	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3523	0.00	0.00	1.6	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11239	0.00	0.00	0.6	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X8151	0.02	0.02	0.6	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB8270	0.00	0.00	0.03	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5814	0.10	0.10	9.75	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10220	0.00	0.00	0.4	2019	ECDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP8712	0.00	0.00	0.12	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6533	0.04	0.04	0.01	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF9012	0.00	0.00	2.1	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
X6446	0.00	0.00	0.9	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3305	0.00	0.00	0.01	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST2438	0.00	0.01	70.69	2025	ECDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB6042	0.00	0.00	0.41	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3441	0.00	0.00	0.5	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB11141	0.01	0.01	0.49	2016	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP5728	69.99	70.00	53.17	2025	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5900	0.00	0.00	1	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3760	0.00	0.01	38.25	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD9513	183.03	183.03	0.33	2025	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
X6434	0.01	0.01	0.54	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.65	0.85	1109.31	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
SP5	5.78	5.78	2.79	2017	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
306	0.00	0.17		#N/A	#N/A	1023.89	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
0214-01	0.00	0.00	0.43	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0203-01	0.38	0.39	5.49	2022	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
142S-1	0.22	0.22	2.81	2019	ECDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1755	0.16	0.16	1	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0607-01	6.22	6.22	0.09	2018	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4312	0.00	0.04	181.75	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	275.97	276.03	301.63	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5888	0.25	0.54	1474	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142N-3	0.37	0.38	46.91	2024	ECDA		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DREG3890	0.00	0.00	0.38	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.23	0.24	31.81	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
131	57.47	57.47	2.81	2018	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5300	0.00	0.01	13.32	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5419	0.61	0.65	268.91	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
222	0.09	0.09	0.85	2022	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4198	0.00	0.01	62.4	2022	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5786	0.00	0.00	0.5	2022	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	6.86	6.89	124.29	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4921	0.00	0.04	199.96	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
138	49.43	49.43	16.9	2016	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
123	11.55	11.61	330.69	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DCUST981	0.00	0.00	0.7	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-17	2.58	2.58	0.01	2017	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5809	0.52	0.52	1.2	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0639-02	0.00	0.00	0.6	2016	ECDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0806-01	0.00	0.00	1.38	2022	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST6893	0.06	0.06	16.48	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD103	0.00	0.00	2.5	2021	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB10859	0.00	0.00	0.23	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4224	0.00	0.01	5.8	2021	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5091	0.00	0.00	0.28	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3839	0.01	0.01	0.5	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4345	0.00	0.00	1.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST8180	0.00	0.00	0.2	2019	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9954	0.00	0.00	2.8	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5290	0.00	0.00	0.46	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DCUST1169	0.02	0.02	0.1	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10836	20.72	20.72		#N/A	#N/A	25.7	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
DF3320	0.00	0.00	1.5	2022	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DRIP7983	0.02	0.02	0.6	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5638	0.01	0.01	0.49	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4874	0.00	0.02	50.33	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3262	0.00	0.00	1.5	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4734	0.01	0.01	0.9	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8547	16.66	16.66	1.5	2016	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8546	0.00	0.00	1.8	2025	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD10769	0.01	0.01	1.2	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD10632	0.00	0.00	1.82	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9161	0.00	0.00	0.01	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1217-01	2.90	2.91	65.32	2020	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5857	0.00	0.00	0.29	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD8025	0.01	0.01	9.2	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6379	0.19	0.19	3.1	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1202-01	0.52	0.53	53.96	2020	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	161.55	161.55	1.9	2016	ECDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD71	0.02	0.02	1.54	2022	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DFDS3614	0.00	0.00	0.75	2017	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4048	1.15	1.16	10.55	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
114	34.07	34.07	2.69	2018	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4325	0.25	0.25	0.85	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5809	0.42	0.49	174.74	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0639-02	0.00	0.00	0.09	2016	ECDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0804-03	0.00	0.03	163.66	2025	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5805	0.07	0.10	185.81	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
3019-01	0.17	0.22	215.54	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4339	0.01	0.01	0.07	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5827	0.01	0.01	0.37	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
124B	20.03	20.04	20.25	2019	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A-1	1.61	1.62	42.97	2018	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-08	0.00	0.00	15.3	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1710	0.00	0.00	4.18	2018	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB9013	0.00	0.01	10.82	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0604-01	3.72	3.73	13.73	2019	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5783	0.59	0.59	0.37	2022	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1603-03	0.33	0.37	184.38	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	28.87	28.87	1.97	2017	ECDA, ICDA, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
100	150.14	150.14	1.74	2016	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST6893	0.00	0.04	182.95	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
BD35	0.00	0.04	228.2	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
191-1	35.83	35.83	0.99	2018	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A-4	0.02	0.02	1.55	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4106	0.00	0.04	185	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
SP3	176.13	176.13	3.07	2021	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-15	0.98	0.98	6.37	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.00	0.04	195.75	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
150	12.47	12.49	62.94	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
187	64.33	64.34	19.73	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD9116	0.00	0.00	1	2025	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB23029	0.00	0.00	0.35	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
150	15.81	16.37	3053.44	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.27	0.27	28	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
197C	20.77	20.77	6.3	2017	ECDA, ICDA, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1822-01	0.56	0.59	163.27	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD685	0.01	0.01	1.67	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	31.93	31.95	106.48	2016	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	170.32	170.36	137.72	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	5.72	5.80	415.74	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	59.49	59.52	153.98	2020	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	57.54	57.55	77.69	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4930	0.00	0.00	1.15	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.95	13.99	190.73	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	59.52	59.56	222.7	2020	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
118A	60.75	60.78	169.02	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	103.05	103.38	1733.6	2025	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.79	13.90	559.1	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021C	43.84	43.84	9.2	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	157.74	157.87	279.12	2025	ILI, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402B	9.94	9.95	14.34	2018	ECDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.35	19.35	5	2020	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.27	0.32	285.14	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
150	18.02	18.08	271.27	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.19	0.27	409.89	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021D-1	1.15	1.15	4.71	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0639-01	2.78	2.78	1.79	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST982	0.25	0.25	0.6	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6926	0.00	0.00	0.6	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
132	17.12	17.12	13.75	2016	ILI		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	59.90	59.90	0.88	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB15420	0.00	0.00	0.04	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	7.85	7.88	148.71	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	56.03	56.03	7.96	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	21.16	21.16	2.55	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	58.35	58.37	122.49	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DFDS14035	0.00	0.00	0.14	2025	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
126A	5.43	5.48	163.59	2019	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	1.74	1.75	22.11	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5778	0.16	0.16	2.67	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	24.30	24.33	205.4	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	27.61	27.61	2.49	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4180	0.70	0.70	0.61	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119B-1	0.00	0.00	1.18	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	26.02	26.16	739	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.03	30.05	121	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.05	30.05	3	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.05	30.09	201	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.09	30.09	3	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Change Log

Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
107	30.09	30.44	1863	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.44	30.50	325	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.50	30.66	814	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.71	30.98	1401	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.98	30.98	4	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	30.98	31.17	1026	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	31.17	31.17	4	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	31.17	31.22	246	2021	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	66.24	66.34	546	2016	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	66.34	66.37	127	2016	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
114	16.75	16.76	18	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	16.76	16.76	2	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	16.76	16.86	543	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
352	12.65	13.12	2437	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
114	12.86	13.08	1010.41	2021	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
109	2.86	2.93	351.58	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
109	33.38	33.43	270.9	2016	ILI		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0619-05	1.18	1.18	2.51	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
177B	7.04	7.17	561.6	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	44.61	44.61	9.4	2022	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119C	3.91	3.91	7.46	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
101	39.80	39.81	64.44	2022	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
0613-01	3.52	3.53	66.15	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.11	10.14	177.48	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.90	13.95	275.77	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
STUB14678	0.00	0.00	1.2	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.74	10.81	408.83	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
114	16.47	16.49	98.72	2021	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
167	34.63	34.63	1.46	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	39.47	39.48	90.35	2016	ILI		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
114	12.05	12.08	239.18	2025	ILI		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	75.21	75.23	102.07	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
137B	7.36	7.37	30.3	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	9.50	9.52	108.27	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	67.00	67.07	371.63	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1616-01	2.57	2.57	3.89	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021F	18.28	18.32	266.02	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	17.23	17.23	14.62	2016	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	25.59	25.62	175.37	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	458.91	459.36	2481.46	2025	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	2.70	2.86	1092.6	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4093	1.55	1.68	657.17	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
220	19.89	20.42	3255.33	2018	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	5.05	5.35	1304.03	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14177	0.00	0.00	0.01	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4919	0.26	0.26	16.94	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	2.89	2.94	381.37	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7209-01	2.04	2.15	577.4	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	6.32	6.33	25.03	2016	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	37.94	37.94	11.67	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD14152	0.00	0.00	0.44	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5496	0.00	0.03	97.33	2017	ECDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7221-10	14.35	14.35	0.4	2016	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB13906	0.00	0.00	0.2	2018	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	23.84	23.93	473.81	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB15153	0.00	0.00	0.2	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
111A	26.42	26.47	225.24	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4180	0.73	0.75	151.27	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	474.64	474.67	169.47	2020	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3257	0.00	0.00	0.81	2020	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5856	0.00	0.00	0.13	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5842	1.80	1.83	219.28	2019	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
109	28.55	28.55	4.42	2020	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0619-05	1.29	1.29	52.42	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
118A	61.33	61.42	3.68	2025	ILI, Hydrotest		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	20.97	21.03	343.55	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5838	0.00	0.00	0.28	2018	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	14.20	14.21	62.51	2018	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7221-10	15.02	15.06	196.64	2016	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
116	12.89	12.89	9.06	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5548	0.00	0.00	0.12	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-02	0.07	0.07	0.42	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5818	0.00	0.00	0.03	2018	ECDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	11.64	11.65	54.98	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7221-10	16.02	16.04	62.67	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	22.72	22.77	238.84	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB15153	0.00	0.00	0.01	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
111A	26.26	26.32	272.9	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4180	0.00	0.00	128.22	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300B	477.45	477.59	729.28	2020	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB13949	0.00	0.00	0.2	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5856	0.10	0.10	2.19	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4093	1.68	1.71	161.2	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
050A	11.77	11.78	69.66	2017	ECDA, ICDA, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	0.00	0.00	0.22	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	62.17	62.19	130.65	2020	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	57.55	57.56	24.64	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14011	0.00	0.00	3.37	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	3.00	3.00	0.45	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	77.91	78.02	482.82	2017	ILI		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
220	22.16	22.16	2.13	2019	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	60.45	60.49	279.93	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	16.50	16.52	108.19	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	7.03	7.03	0.97	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
107	31.21	31.22	4.33	2021	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
2408-05	3.33	3.33	14.61	2017	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	74.13	74.17	193.41	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	183.75	183.78	152.64	2018	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD11480	0.00	0.00	0.8	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	25.28	25.31	172.93	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	464.26	464.61	1930.96	2025	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD269	0.02	0.02	8.66	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14012	0.00	0.00	0.2	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	25.99	26.02	178.74	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4093	1.55	1.55	29.91	2025	ECDA, ICDA		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	4.37	4.39	118.64	2018	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	16.79	16.79	29.67	2016	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14127	0.00	0.00	0.01	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5255	0.00	0.00	4.74	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4310	0.42	0.50	447.29	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	20.58	20.58	16.8	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	1.72	1.72	35.08	2017	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
220	19.89	19.89	4.47	2018	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
STUB14177	0.01	0.01	0.6	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14490	0.00	0.00	0.3	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4919	0.35	0.35	0.16	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	23.25	23.30	264.08	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
002	157.87	158.00	148.01	2025	ILI, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
7222-01	1.71	1.80	349.84	2020	ECDA, ICDA, Hydrotest		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021C	47.62	47.62	0.58	2017	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301B	1.57	1.60	173.97	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
BD16220	0.00	0.04	223.49	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	6.19	6.20	35.24	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	76.40	76.47	374	2017	ILI		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
118A	57.98	57.99	38.13	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4014	0.00	0.00	0.33	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
331A	0.01	0.04	254.08	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0405-01	8.25	8.25	37.47	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG8355	0.00	0.00	0.31	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	43.48	43.48	2.23	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
101	39.74	39.80	497.28	2022	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119C	2.75	2.87	652.66	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4014	0.07	0.07	0.5	2018	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
331A	0.00	0.01	147.4	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
132	35.35	35.79	1274.96	2025	ILI, SCCDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1813-02	1.16	1.17	95.94	2019	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
138C	49.29	49.30	48.19	2016	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	34.53	34.56	170.96	2019	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
0604-03	0.86	0.86	1.2	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021D-1	0.14	0.14	24.01	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	66.16	66.18	117.68	2016	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
132	30.58	30.60	67.87	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
301B	13.95	13.96	199.61	2016	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14320	0.00	0.00	0.8	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
142N	12.07	12.10	142.42	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1813-02	11.10	11.28	931.62	2025	ECDA, ICDA, SCCDA		12/28/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1615-01	19.06	19.06	2.75	2019	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.81	11.04	1247.31	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
301B	13.45	13.48	92.14	2016	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1813-02	11.28	11.33	268.25	2025	ECDA, ICDA, SCCDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1615-01	6.39	6.46	608.16	2018	ILI, Hydrotest		12/22/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
138D	46.20	46.20	19.76	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
132	34.16	34.41	1321.01	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
132	51.53	51.53	4.8	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	11.73	11.73	10.77	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
177A	85.57	85.57	8.52	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	59.10	59.10	2.4	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
121	10.06	10.11	248.42	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14373	0.00	0.00	2	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	75.35	75.38	127.85	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	11.04	11.27	1266.42	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
121	11.04	11.04	11.88	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14072	0.00	0.00	0.2	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	2.17	2.19	76.05	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	12.11	12.11	20.03	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	72.82	72.87	218.45	2019	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
132	35.56	35.58	78.61	2025	ILI, SCCDA, Hydrotest		12/28/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
105A	52.03	52.04	20.11	2017	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	23.61	23.62	77.97	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	59.10	59.10	2.4	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
132	23.78	23.80	123.98	2016	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
142N	9.88	9.93	393.68	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1813-02	1.00	1.00	0.22	2019	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105C	2.03	2.03	2.3	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	29.07	29.09	129.02	2016	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	59.10	59.10	4.6	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
X14254	0.00	0.00	0.01	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
132	30.34	30.35	16.1	2016	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
116	8.61	8.61	4.3	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	88.83	88.83	7	2022	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	60.75	60.75	5	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
X6385	0.00	0.00	1.08	2025	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105A	38.44	38.44	3.97	2017	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	22.51	22.59	381.36	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB14125	0.01	0.01	0.97	2022	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
316-23	0.05	0.05	4.19	2023	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1616-01	2.27	2.46	1019.8	2018	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST7728	0.00	0.02	18.9	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021F	16.71	16.71	8.55	2018	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
050A	2.86	2.89	173.91	2025	ECDA, ICDA		12/24/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
002	142.67	142.70	174.02	2020	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	50.57	50.58	32.72	2016	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402B	10.08	10.08	10.38	2018	ECDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1608-01	1.29	1.31	158.49	2019	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
210C	32.11	32.11	3.89	2018	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
150	18.08	18.08	1.41	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	25.77	26.07		#N/A	#N/A	1648.94	12/31/2015	HCA Removal	HCA Removed due to alignment change	Removed from Integrity Management Assessment Plan Schedule
DCUST1873	0.04	0.12	420	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
134A	30.23	30.31	456.16	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1822-01	0.69	0.71	57.15	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	59.81	59.90	508.1	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
121	8.00	8.02	103.82	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14324	0.01	0.01	1	2022	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
107	24.42	24.46	208.11	2020	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	0.22	0.34	621.8	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	73.21	73.23	38.13	2019	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.47	13.50	169.12	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
172A	76.47	76.59	625.87	2017	ILI		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
220	22.59	22.63	194.91	2019	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	58.37	58.40	169.8	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	121.92	121.95	175.77	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.76	13.79	162.75	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	9.93	9.93	15.59	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021D	19.32	19.32	26.94	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD14152	0.00	0.00	0.01	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
2408-05	0.15	0.15	0.04	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	2.93	2.93	5.47	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1818-01	0.36	0.45	488.81	2016	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
114	12.08	12.15	431.79	2025	ILI		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
109	21.51	21.61	485	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.66	13.68	104.99	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	67.35	67.40	203.47	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021C	53.12	53.12	1.72	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	112.36	112.46	517.43	2022	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
220	31.75	31.75	3.69	2019	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	1.67	1.71	203.56	2020	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021C	35.43	35.44	43.05	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	188.53	188.53	32.94	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	142.22	142.26	170.02	2020	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF14754	0.00	0.00	0.32	2025	ECDA		12/24/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.35	19.48	125.05	2020	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
118A	72.87	72.90	161.15	2019	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021C	32.53	32.54	29.18	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
002	126.41	126.46	227.37	2020	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
131	41.09	41.30	1001.59	2025	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1608-01	0.00	0.00	0.01	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
002	144.25	144.38	648.6	2020	ILI		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	16.45	16.45	12.43	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0615-02	0.16	0.16	0.44	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	8.08	8.14	379.58	2022	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.58	5.58	5.6	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105N-5	36.47	36.47	10.6	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-13	1.21	1.22	83.59	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0600-01	0.52	0.56	210.08	2025	ECDA, ICDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3867	0.03	0.03	0.4	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1518-03	1.47	1.51	220.61	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
303	20.28	20.29	51.23	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.31	5.31	2.35	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5912	70.02	70.03	49.6	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021G	12.41	12.45	210.04	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1622-01	1.00	1.00	1.55	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162A	4.64	4.64	0.96	2019	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0833-01	6.02	6.06	223.04	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300A	155.47	155.47	7.91	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	10.58	10.58	4.35	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	2.96	2.97	11.38	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.06	7.08	160.93	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.87	4.89	105.29	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	3.06	3.06	5.22	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	354.52	354.52	5.45	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.61	4.62	19.02	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021B	0.08	0.08	4.9	2017	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	25.62	25.62	9.52	2017	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	23.38	23.38	4.61	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.00	0.04	209.78	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	6.32	6.39	317	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	262.93	262.93	16.61	2020	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
197B	4.52	4.56	296.13	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	18.79	18.79	17.9	2018	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
7221-16	0.30	0.30	10.19	2016	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	27.69	27.76	67.89	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-01	1.82	1.82	10.53	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1522-01	0.38	0.38	0.59	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	42.27	42.28	35.45	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0615-02	0.13	0.14	10.02	2017	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0611-05	0.17	0.17	2.02	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
7226-01	5.39	5.42	210.35	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5912	70.03	70.13	764.1	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
105N	36.34	36.34	4.29	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7207-01	0.63	0.64	66.28	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5877	0.19	0.20	111.32	2019	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021G	8.94	8.94	9.19	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	0.00	0.01	18.41	2018	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3426	9.31	9.34	299.15	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105N	12.66	12.66	2.1	2020	ILI		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021G	13.79	13.81	200.58	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
0401-01	4.62	4.69	414.07	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	0.00	0.00	0.04	2017	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.25	7.28	221.94	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
401	363.94	363.94	8.02	2019	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	1.48	1.48	17.6	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0210-01	6.62	6.62	1.19	2019	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.03	7.03	25.89	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	343.29	343.34	273.76	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4185	0.03	0.03	1.1	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	0.01	0.12	634.97	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4281	0.03	0.04	108.25	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	3.21	3.32	568.57	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	2.12	2.12	28.17	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	2.02	2.02	2	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	84.53	84.57	245.08	2018	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.24	6.25	3.1	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.08	0.21	623.72	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
134A	33.33	33.34	42.65	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	61.43	61.43	21.08	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
187	41.69	41.69	6.23	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	3.8	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7223-01	9.10	9.11	147.06	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	71.46	71.47	22.23	2020	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181A	20.02	20.02	0.4	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.26	6.27	164.89	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
124A	26.03	26.03	2.75	2016	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	9.87	10.14		#N/A	#N/A	1320.01	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
172C	0.25	0.25	3.3	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.32	6.32	0.73	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	37.99	37.99	19.84	2018	ECDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1004-01	4.74	4.74	1.19	2018	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1622-01	0.96	0.96	12.23	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162A	5.37	5.37	10.5	2019	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	160.14	160.14	10.63	2016	ECDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	1.72	1.78	365.47	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	4.18	4.22	170.79	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	17.88	17.89	20.21	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	7.30	7.31	26.97	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119A	1.76	1.79	300.45	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400-3	293.84	293.88	196.58	2017	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	0.12	0.13	47.6	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DCUST1423	0.35	0.37	276	2020	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1611-01	0.88	0.92	226.8	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1602-01	0.00	0.00	0.05	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
197A	27.89	28.08	993.1	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
331B-2	0.76	0.76	1.32	2022	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	3.06	3.06	4.48	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5923	0.16	0.19	207.67	2017	ECDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-16	1.04	1.04	8.91	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
197C-1	17.05	17.05	2.11	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-03	0.39	0.39	0.1	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1518-01	0.57	0.58	46.93	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	14.57	14.60	179.73	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0651-01	0.00	0.00	0.01	2017	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.29	14.35	461.93	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7225-01	1.48	1.53	250.02	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	14.75	14.77	108.39	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	17.45	17.52	585.28	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021A	16.86	16.86	14.26	2017	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
1815-02	15.03	15.15	661.48	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	22.93	22.94	67.61	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0647-01	3.02	3.02	3.34	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	15.48	15.62	822.89	2025	ECDA, ICDA, Hydrotest		12/23/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118-1	0.03	0.03	2.29	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	3.48	3.53	281.22	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	16.27	16.29	61.69	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	15.81	15.84	231.79	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119B	7.41	7.43	112.69	2016	ILI		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	83.55	83.55	7.36	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	0.45	0.57	566.21	2017	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7223-01	8.99	9.00	23.33	2020	ECDA, ICDA, Hydrotest		12/21/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021E	59.55	59.56	75.32	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.26	40	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7205-01	1.21	1.30	611.54	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
124A	1.37	1.39	79.78	2016	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4119	0.00	0.00	0.27	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	32.87	32.89	103.18	2018	ECDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
400	297.43	297.47	196.7	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
107	24.07	24.13	308.32	2020	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	0.09	0.11	156.52	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	74.45	74.47	78.24	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
177A	190.76	190.77	21.77	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD16220	0.00	0.00	0.17	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	11.47	11.68	887.66	2020	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
172A	77.71	77.91	885.58	2017	ILI		12/24/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
220	22.86	22.95	522.15	2019	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	58.22	58.35	762.48	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7222-01	13.68	13.69	84.8	2020	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	24.89	24.90	36.02	2020	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	15.97	16.01	240.02	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.59	5.59	2	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0115-01	0.40	0.40	6.78	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-13	0.16	0.24	421.43	2019	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG3828	0.00	0.00	0.04	2025	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162A	5.38	5.48	568.57	2019	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
162A	5.37	5.38	79.65	2019	ILI		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
118A	72.64	72.82	850.75	2019	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021C	36.53	36.67	873.3	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
002	112.69	112.74	327.52	2022	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105B	0.00	0.00	0.03	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
002	143.98	144.06	456.28	2020	ILI		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
210C-1	3.76	3.76	1.79	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1615-01	14.80	14.81	37.46	2018	ILI		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0211-01	0.00	0.00	0.17	2020	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
105C	0.00	0.00	0.04	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
132	38.41	38.41	0.89	2021	ILI, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	16.22	16.25	189.08	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.42	5.42	4.73	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5912	70.03	70.03	0.1	2025	ECDA, ICDA, Hydrotest		12/22/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	20.84	20.84	1.59	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
3015-01	0.00	0.00	3	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	16.49	16.59	540.98	2021	ILI, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
167	31.65	31.65	5.58	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	39.44	39.47	206.83	2016	ILI		12/24/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1818-01	3.04	3.05	55.87	2016	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
114	12.69	12.71	98.05	2021	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
109	0.65	0.65	1.57	2016	ILI, SCCDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-10	1.47	1.47	2.96	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.25	10.28	181.56	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
121	9.52	9.68	939.86	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
132	24.24	24.24	15.52	2016	ILI		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
121	10.72	10.74	92.01	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	60.75	60.93	887.515	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
121	9.80	9.89	466.52	2017	ECDA, ICDA		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	59.81	59.81	3.03	2016	ILI		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
STUB14718	0.00	0.00	5.4	2020	ECDA, ICDA		12/23/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1509-04	1.27	1.32	235.41	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
105N	23.81	23.81	20.76	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
210B	23.91	23.92	34.38	2019	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1035-05	4.98	4.98	17.24	2019	ECDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5754	0.19	0.19	18.85	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	14.01	14.04	219.73	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.80	4.85	250.05	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST11247	0.00	0.00	0.7	2021	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0834-01	3.63	3.66	115.1	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021C-1	36.26	36.26	1.29	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	5.46	5.48	71.67	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.36	10.39	161.05	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
331A	0.96	0.96	5.96	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
301B	1.95	1.98	166.95	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142N	14.04	14.05	56.61	2017	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1813-02	16.40	16.40	8.02	2019	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
BD14338	0.00	0.00	0.3	2021	ECDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
121	9.33	9.39	290.12	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	66.90	66.91	38.13	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
121	10.28	10.36	458.68	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
109	45.10	45.16	311.54	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021F	13.87	13.92	339.75	2018	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021F	14.39	14.42	209.04	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7221-10	15.06	15.38	1700.42	2016	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
111A	22.45	22.49	194.68	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14409	0.02	0.02	1.04	2021	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	3.56	3.63	374.77	2025	ECDA, ICDA		12/23/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
181A-10	5.67	5.67	3.28	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	6.88	6.95	540.59	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
401	340.06	340.10	195.52	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.85	4.87	150.7	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
GCUST5913	0.33	0.33	0.39	2017	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1626-01	0.10	0.12	107.57	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021B	2.21	2.22	46.28	2017	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	6.00	6.01	18.02	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	11.70	11.70	3.71	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	16.75	16.80	267.65	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB14127	0.01	0.01	0.83	2022	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5255	0.00	0.00	1.3	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5842	0.71	0.71	18.44	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0617-06	20.67	20.67	1.8	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
215	20.08	20.08	3.29	2016	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5330	0.00	0.02	92	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-06	7.56	7.57	21.41	2017	ECDA, ICDA, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST1873	0.12	0.19	362.6	2025	ECDA, ICDA, Hydrotest		12/30/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
197C	20.90	20.93	150.12	2017	ECDA, ICDA, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	9.54	9.63		#N/A	#N/A	477.49	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
150	12.54	12.55	52.82	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
109	27.94	27.97	132.16	2020	ILI		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	3.35	3.35	3.25	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.04	0.08	181.51	2025	ECDA, ICDA, Hydrotest		12/29/2015	New HCA	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	4	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	64.51	64.53	81.38	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	259.64	259.68	235.29	2020	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1815-02	19.49	19.49	2	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	120.03	120.07	234.43	2017	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-8	2.29	2.29	28.44	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
187	32.66	32.70	192.72	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	10.16	10.16	3.46	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	2.3	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
134A	32.53	32.53	19.94	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	71.92	71.94	78.31	2020	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1815-02	8.43	8.43	0.11	2019	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	20.49	20.82		#N/A	#N/A	1838.29	12/31/2015	HCA Removal	HCA Removed due to ID Site change	Removed from Integrity Management Assessment Plan Schedule
108	6.39	6.41	115	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	29.1	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-04	0.00	0.00	0.01	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
105N	23.68	23.81	828.38	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
210B	25.98	25.98	3.31	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
148	15.34	15.34	13.26	2018	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	42.83	42.84	53.82	2022	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
0651-01	1.64	1.64	15.49	2017	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.24	14.29	472.19	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	4.01	4.02	20.35	2022	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4388	0.07	0.07	9.03	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0650-01	0.91	0.91	0.29	2017	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-09	0.16	0.17	11.82	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	13.49	13.49	4.04	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1617-01	0.00	0.00	0.89	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0807-01	0.47	0.50	277.16	2016	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
119A	2.16	2.28	848.41	2018	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-MC79D	0.15	0.15	4.13	2019	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
153	27.88	27.88	1.89	2019	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0805-01	0.00	0.00	0.48	2020	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	4.30	4.30	1	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	3.16	3.27	484.04	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
300B	283.25	283.72	2623.6	2025	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	3.21	3.21	29.06	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
173	6.79	6.80	29.06	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG5483	0.00	0.00	2.58	2025	ECDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	70.62	70.62	7.4	2020	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1209-01	5.91	5.99	386.09	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181A	15.31	15.31	1.31	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	5	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	137.01	137.03	107.47	2016	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1205-02	0.30	0.36	380.97	2025	ECDA, ICDA		12/30/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.24	14.24	20.75	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7224-12	0.00	0.00	1.76	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021A	12.47	12.48	108.82	2017	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	4.66	4.77	572.78	2022	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4207	0.60	0.60	0.49	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1613-05	0.02	0.06	510.85	2025	ECDA, ICDA, Hydrotest		12/24/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
0618-03	1.47	1.47	5.9	2020	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-01	3.16	3.16	0.13	2017	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
3008-01	0.00	0.00	1.72	2018	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.71	0.74	177.99	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	7	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	114.49	114.51	87.38	2019	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	502.24	502.24	7.42	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
181A	15.31	15.31	8.08	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	4	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.45	6.48	144	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
402	37.86	37.87	64.23	2018	ECDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	11.92	11.94	111.04	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	7.77	7.77	38.62	2022	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
103	4.06	4.06	11.98	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.27	6.32	51.11	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	260.62	260.63	14.64	2020	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
197B	4.07	4.10	150.62	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	8.14	8.22	428.66	2022	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7221-16	0.30	0.39	458.45	2016	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
021E	60.45	60.46	60.87	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
187	46.55	46.58	171.69	2019	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	39.32	39.32	28.05	2022	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1601-09	0.86	0.86	0.19	2020	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	16.45	16.45	22.59	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0617-15	0.11	0.11	19.59	2020	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	3.78	3.78	28.23	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1501-02	4.53	4.55	74.77	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6460	19.28	19.28	3.21	2018	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0613-02	0.27	0.27	0.49	2016	ECDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.59	5.59	4.4	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1881-01	2.66	2.66	3.56	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	3.98	3.99	18.06	2019	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5923	0.21	0.21	2.99	2017	ECDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-16	1.20	1.20	4.83	2017	ILI, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	122.32	122.33	43.22	2017	ILI		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	484.19	484.19	22.98	2018	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-20	11.65	11.66	25.26	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	6.07	6.07	1.2	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
7202-02	0.00	0.00	0.1	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300A	474.09	474.10	100.91	2021	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
402	18.14	18.15	38.54	2017	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	293.83	293.86	122.36	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
021H	11.96	12.05	223.78	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	0.70	0.70	23.09	2018	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	4.63	4.64	55.64	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	363.43	363.47	269.37	2019	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4185	0.00	0.00	0.33	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021B	2.22	2.23	64.85	2017	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4281	0.09	0.09	3.45	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	3.16	3.21	185.99	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	2.31	2.31	31.75	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5919	0.16	0.16	4.71	2017	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	2	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
134A	34.33	34.34	39.48	2019	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	64.71	64.72	47.51	2020	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.24	6.24	0.2	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7223-01	0.14	0.14	0.28	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
300A	486.97	486.97	1.77	2021	ILI, SCCDA		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
162A	1.82	1.83	26.71	2019	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	8.04	8.14	515.81	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	26.40	26.46	309.69	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0833-01	5.90	5.90	10.45	2016	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118B	8.62	8.78	716.55	2025	ECDA, ICDA		12/28/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	1.80	1.87	430.96	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
400-3	297.88	297.88	7.55	2018	ECDA, ICDA, SCCDA, Hydrotest		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	10.41	10.42	24.42	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.60	0.71	559.8	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1602-01	0.00	0.00	0.01	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST8231	0.26	0.26	27.49	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
197A	39.95	39.95	19.58	2018	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1611-01	0.92	0.95	158.82	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
331B-2	0.00	0.00	4.25	2019	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	97.07	97.07	9.28	2019	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	10.16	10.17	21.64	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	5.48	5.48	1.4	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0611-06	0.13	0.13	0.04	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.46	4.61	846.3	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
306	68.48	68.49	37.45	2018	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4793	0.11	0.11	0.9	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4814	0.00	0.01	21.93	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1816-01	16.81	16.87	308.55	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1223-01	0.74	0.74	4.14	2020	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4280	0.00	0.02	68.54	2025	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7227-05	0.10	0.11	32.52	2016	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	8.05	8.14	424.81	2016	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-01	3.73	3.79	394.96	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118B	28.54	28.54	40.3	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119A	0.00	0.00	3.2	2018	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	0.48	0.50	134.98	2018	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1004-01	4.67	4.69	87.07	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	294.34	294.34	14.54	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
7204-01	0.53	0.53	1.15	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
162A	1.53	1.53	13.18	2019	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.10	7.18	660.61	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
401	378.49	378.50	73.14	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	3.25	3.25	18.51	2018	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	344.89	344.91	180.93	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021B	11.05	11.07	100.93	2017	ECDA, ICDA, SCCDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021H	7.08	7.10	223.94	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
103	23.23	23.26	213.01	2016	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1023-01	2.83	2.83	0.29	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.99	1.00	49.24	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.35	14.36	89.65	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
7221-16	0.14	0.14	0.33	2016	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	24.89	24.90	39.25	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7224-01	0.46	0.49	127.94	2017	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	60.46	60.64	938.52	2017	ILI, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

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Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
107	38.11	38.12	3.24	2017	ILI		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119B	10.16	10.16	3.89	2016	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	1.11	1.11	0.45	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1519-04	1.00	1.00	0.02	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1817-01	1.78	1.80	88.84	2019	ILI, SCCDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
103	26.52	26.58	331.53	2016	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
118B	10.00	10.00	0.32	2017	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173	1.43	1.45	115.36	2017	ECDA, ICDA, Hydrotest		12/25/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5959	0.10	0.10	2.8	2019	ECDA, ICDA, Hydrotest		12/31/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
300B	502.64	502.64	18.34	2016	ECDA, ICDA		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
401	395.50	395.50	5.53	2016	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-03	1.28	1.28	10.25	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	6.91	6.92	18.51	2017	ILI		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5916	0.00	0.02	75.89	2017	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400-3	297.45	297.49	191.08	2018	ECDA, ICDA, SCCDA, Hydrotest		12/21/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
173	3.15	3.16	31.49	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
DREG3762	0.00	0.00	10.9	2025	ECDA, ICDA, SCCDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1611-01	0.85	0.88	150.39	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1602-01	0.08	0.14	347.27	2019	ECDA, ICDA		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021E	137.38	137.38	2.4	2016	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
173-8	1.68	1.69	22.86	2020	ILI		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
187	41.54	41.54	7.81	2017	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X14138	0.00	0.03	175.67	2025	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-13	0.75	0.75	4.42	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-MD2	0.00	0.00	1.5	2025	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1518-02	0.00	0.01	44.24	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5955	0.70	0.70	0.21	2016	ECDA, ICDA		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
197C-2	2.20	2.21	40.14	2017	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
X6511	0.35	0.35	0.89	2020	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5800	0.99	0.99	0.87	2020	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1202-16	0.00	0.00	0.36	2017	ILI, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1641-01	0.43	0.44	31.53	2018	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1310-01	1.29	1.29	0.49	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
148	17.63	17.63	2.31	2016	ECDA, ICDA		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1302-01	1.77	1.77	0.35	2016	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
1816-01	11.52	11.54	86.35	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
147	0.82	0.85	234.11	2016	ILI, SCCDA		12/23/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
303	7.77	8.08	1669.46	2022	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
119A	16.46	16.46	3.69	2016	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
057A-T1	0.12	0.12	0.04	2018	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1614-01	3.90	3.95	286.42	2019	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118B	9.46	9.46	1.75	2020	ILI		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
1613-06	1.37	1.42	246.81	2025	ECDA, ICDA		12/29/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
303	24.69	24.71	94.86	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0618-03	1.11	1.13	105.38	2020	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
GCUST5969	0.22	0.22	0.08	2019	ECDA, ICDA, Hydrotest		12/24/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
331B-2	0.70	0.70	12.68	2022	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.41	6.45	160	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
124A	20.01	20.15	755.53	2016	ILI, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
108	6.25	6.25	0.2	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
400	298.84	298.84	5.8	2017	ECDA, ICDA, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7223-01	9.78	9.78	12.63	2020	ECDA, ICDA		12/21/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
162A	4.43	4.47	188.49	2019	ILI, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7226-01	5.09	5.09	13.97	2019	ECDA, ICDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	12.67	12.67	9.32	2017	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3426	8.86	8.89	68.7	2019	ECDA, ICDA		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-04	2.25	2.27	73.89	2018	ILI, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
105N	6.90	6.91	5.4	2018	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
210B	18.47	18.47	13.05	2019	ILI, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
GCUST5754	0.10	0.13	154.02	2022	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021G	14.16	14.17	45.96	2017	ILI, SCCDA		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0401-01	4.73	4.73	2.58	2018	ECDA, ICDA, SCCDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG4388	0.07	0.07	27.26	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DCUST10030	0.47	0.47	2.16	2019	ECDA, ICDA, Hydrotest		12/22/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1816-01	14.93	15.07	787.53	2025	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
7224-12	0.09	0.10	25.47	2019	ECDA, ICDA		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
021A	12.35	12.35	2.65	2017	ECDA, ICDA, Hydrotest		12/23/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	25.34	25.39	313.15	2017	ECDA, ICDA, SCCDA, Hydrotest		12/30/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
DREG4207	0.00	0.02	39.66	2020	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule

Assessment Plan
Change Log

Route	Begin MP	End MP	Added Footage	Proposed Asmt Year	Assessment Methods	Disqualified Footage	Date of Change	Change Detail	Reson for Change	Implication Analysis
1816-01	12.05	12.18	687.15	2016	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118A	13.08	13.20	1147	2020	ECDA, ICDA, SCCDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
303	25.76	25.82	363.15	2018	ILI, SCCDA, Hydrotest		12/29/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
119B	8.84	9.02	859.81	2025	ILI		12/30/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
118A	83.73	83.82	547.52	2020	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0611-02	0.00	0.01	13.55	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
0407-01	2.65	2.73	459	2018	ECDA, ICDA, Hydrotest		12/30/2015	HCA Extension	HCA due to bridging	Added to Integrity Management Assessment Plan Schedule
300B	245.86	245.92	325	2017	ILI		12/29/2015	HCA Extension	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
0611-07	0.49	0.49	1.3	2019	ECDA, ICDA, Hydrotest		12/28/2015	HCA Extension	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
352	13.15	13.43	7868	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
021H	1.65	1.82	913	2017	ECDA, ICDA, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
118D	83.37	83.58	1104	2025	ECDA, ICDA, SCCDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142S	0.02	0.17	774	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
142S	3.00	3.20	1051	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	6.47	6.48	49	2019	ILI		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
1509-05	6.48	6.49	51	2019	ILI		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	19.44	19.46	82	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	19.46	19.48	97	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210A	19.48	19.52	224	2018	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
210B	19.40	19.41	120	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.41	19.45	166	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.45	19.46	76	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.46	19.48	104	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.59	19.60	43	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.60	19.65	289	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210B	19.65	19.67	86	2019	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.35	19.37	138	2020	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.37	19.45	379	2020	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
210C	19.45	19.49	222	2020	ILI, SCCDA, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
7221-15	1.79	2.24	2379	2017	ECDA, ICDA, SCCDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DF3423	0.00	0.00	2	2022	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DF3423	0.00	0.00	12	2022	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site and 20 Structures in PIR	Added to Integrity Management Assessment Plan Schedule
DREG15576	0.00	0.07	383	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG15576	0.07	0.07	3	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
DREG15576	0.07	0.08	4	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB16522	0.00	0.00	3	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB16522	0.00	0.00	11	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
STUB16522	0.00	0.01	20	2025	ECDA, ICDA		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule
108	66.13	66.15	101.08	2016	ILI, SCCDA, Hydrotest		12/31/2015	HCA Extension	HCA due to PIR change	Added to Integrity Management Assessment Plan Schedule
108	6.17	6.24	430.3	2019	ILI, Hydrotest		12/31/2015	New HCA	HCA due to ID Site in PIR	Added to Integrity Management Assessment Plan Schedule