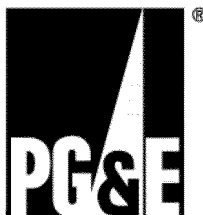

**PACIFIC GAS AND ELECTRIC COMPANY
GAS DISTRIBUTION PIPELINE SAFETY REPORT**

NO. 2013-02

**REPORTING PERIOD
JULY 1 – DECEMBER 31, 2013**

IN COMPLIANCE WITH CPUC DECISION 1105-018

SUBMITTED MARCH 31, 2014



PACIFIC GAS AND ELECTRIC COMPANY
 GAS DISTRIBUTION PIPELINE SAFETY REPORT
 NO. 2013-02
 JULY 1 – DECEMBER 31, 2013
 IN COMPLIANCE WITH CPUC DECISION 11-05-018

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PACIFIC GAS AND ELECTRIC COMPANY
GAS DISTRIBUTION PIPELINE SAFETY REPORT
NO. 2013-02
JULY 1 – DECEMBER 31, 2013
IN COMPLIANCE WITH CPUC DECISION 11-05-018

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**PACIFIC GAS AND ELECTRIC COMPANY
GAS DISTRIBUTION PIPELINE SAFETY REPORT
NO. 2013-02
JULY 1 – DECEMBER 31, 2013
IN COMPLIANCE WITH CPUC DECISION 11-05-018**

Introduction

Pacific Gas and Electric Company (PG&E or the Company) submits this sixth semi-annual gas distribution pipeline safety report in compliance with California Public Utilities Commission (CPUC or Commission) Decision 11-05-018 concerning PG&E's 2011 General Rate Case (GRC). Ordering Paragraph (OP) 44 of that decision requires that:

Pacific Gas and Electric Company shall submit gas distribution pipeline safety reports to the Directors of the Commission's Consumer Protection and Safety Division and Energy Division. The requirements of the reports are detailed in Attachment 5 to this decision.

Attachment 5, page 1, of Decision 11-05-018 further specifies:

Reports shall cover activity over the first six months of the calendar year and the second six months of the calendar year and continue until further notice of the Commission. Reports shall be submitted no later than three months after the end of each six-month period.

This sixth semi-annual report covers gas distribution pipeline safety information for July 1 through December 31, 2013.¹ In a separate report submitted on February 28, 2014, in compliance with Decision 11-04-031, which concerned PG&E's Gas Transmission and Storage application, the Company reported on related gas transmission pipeline and storage safety information.

This report is organized consistent with the issues set forth in Attachment 5 to Decision 11-05-018:

- Decision-Making Process (Item 1)
- Budgeting, Spending and Project Reprioritization (Items 2-12)
- Project Descriptions and Status (Items 13-17)

This report includes gas distribution-level Major Work Categories (MWC) that relate to gas distribution safety, integrity and reliability as set forth in PG&E's 2011 GRC showing for gas distribution. Additionally, beginning in 2012, PG&E has been including

¹ This report is labeled "No. 2013-02," meaning that it is the second semi-annual report for the calendar year 2013. References herein to prior reports follow the same convention.

three additional categories of work that were included in the Customer Care organization in the 2011 GRC, but were moved all or in part to the Gas Operations organization beginning in 2012. The additional categories are:

- MWC DD – Provide Field Service
- MWC HY – Change/Maintain Used Gas Meters
- MWC 74 – Install New Gas Meters.²

PG&E is also including MWC 4A, which reflects costs associated with a new gas distribution control center.

Other MWCs, such as New Business and Work Requested by Others, are not included in this report. This information was previously provided in budget reports filed in compliance with OP 42 of Decision 11-05-018, however, that reporting requirement has concluded. PG&E has proposed similar reporting in its pending 2014 GRC (A.12-11-009) and, if approved, will continue to provide information on these MWCs in those reports.

Summary

In 2013, PG&E budgeted and spent more overall for gas distribution safety, integrity and reliability than the Settlement Agreement³ allocations for both capital and expense programs. Additionally, PG&E's actual 2013 expenditures were greater than budgeted for both capital and expense. For capital, PG&E spent \$432.7 million, which is \$275.2 million more than provided for in the Settlement Agreement. For operations and maintenance (O&M or expense) activities, PG&E spent \$360.1 million, which is \$138.6 million more than provided for in the Settlement Agreement.

In total for 2013, PG&E completed over 2.2 million inspections through O&M activities. These activities include 973,234 inspections for atmospheric corrosion on exposed facilities, 861,495 services surveyed for leaks, and 368,731 locate and mark tags completed. In addition, PG&E repaired 24,501⁴ service leaks.

² All of MWC DD gas-related work was moved to Gas Operations. Only a portion of the work associated with MWCs HY and 74 was moved to Gas Operations, with the bulk of this metering-related work remaining in Customer Care.

³ References throughout this report to the Settlement Agreement refer to the multi-party settlement of Phase 1 of PG&E's 2011 GRC, adopted in Decision 11-05-018.

⁴ PG&E uses a broader definition of leak repairs than Pipeline and Hazardous Materials Safety Administration (PHMSA), thus the number of leak repairs reported here is higher than the number PG&E reported to PHMSA in its annual gas distribution system report (Form F 7100.1-2) filed on March 14, 2014.

This report also includes information on 600 capital projects, of which 147 were completed in 2013. These projects include the replacement of approximately 67 miles of main and the replacement of 4,910⁵ services.

Note that accounting adjustments made after submission of PG&E's Gas Distribution Pipeline Safety Report No. 2013-01, submitted on September 30, 2013, for the January 1 through June 30, 2013 time period, are reflected in year-end actuals. The adjustments are relatively small. As a result, if actuals reported for January 1 through June 30 in Gas Distribution Pipeline Safety Report No. 2013-01 are added to actuals for July 1 through December 31 included in this report, they will not exactly equal the year-end actuals.

Similarly, there is a lag in reporting units of work completed that results in minor differences between units reported in Gas Distribution Safety Report No. 2013-01 and year-end actuals for 2013 included in this report.

Applicability of Reporting Requirements

As explained in previous Gas Distribution Pipeline Safety Reports and in the Company's March 14, 2011 comments on the Proposed Decision and Alternate Proposed Decision leading up to Decision 11-05-018,⁶ certain requirements identified for inclusion in this report are not applicable to distribution-level gas operations. Where no analogous information is available, PG&E has so indicated in this report. In other instances, PG&E has provided analogous information in order to meet the Commission's intent. With respect to PG&E's Distribution Integrity Management Program (DIMP) risk ranking described in Gas Distribution Pipeline Safety Report No. 2011-01, the results were provided to the CPUC as part of the DIMP Audit in December 2012.⁷ Similarly, the reporting on capital projects in this report follows the description set forth in Gas Distribution Safety Report No. 2011-01 at pages 3-4.

⁵ The 4,910 services shown above are those that were completed as stand-alone service projects and exclude services that are associated with gas distribution main projects.

⁶ March 14, 2011 Opening Comments of Pacific Gas and Electric Company on the Proposed Decision of ALJ Fukutome and the Alternate Proposed Decision of Commissioner Peevey (Not Including Non-Tariffed Products and Services Issue).

⁷ The next DIMP Audit will occur in 2014. Refer to the response to Item 15 for more information regarding the audit process.

Decision Making Process

1. Distribution Planning

Request

A thorough description and explanation of the strategic planning and decision making approach used to determine and rank which capital projects, O&M activities, and inspections are undertaken for gas distribution pipeline, safety, integrity and reliability are to be undertaken.

Response

Strategic Planning

PG&E established plans and budgets for 2013 Gas Distribution capital expenditures and expenses as part of the Companywide Integrated Planning Process, which commenced in 2012. This process was an enhancement from the process described in prior Gas Distribution Safety Reports. The Integrated Planning Process is a corporate-wide CEO-led process that incorporates risk, strategy and execution and ensures that risk informs strategies, which in turn drive the allocation of human and financial resources. In 2012, the Integrated Planning Process consisted of Session 1, Session 2 and the Detailed Planning Process. Session 1, developed from March through July, outlined the organization's multi-year strategic plan, including goals, strategies and metrics. Session 2, developed from July to September, followed Session 1 and outlined the organization's three-year execution plan including program-level execution details. The Detailed Plan followed Session 2 and involved the development of the one-year detailed operating plan for 2013 at the project and program level. Executive leadership within and outside Gas Operations reviewed the Session 1 and Session 2 materials for all lines of business. Based on executive leadership direction, Corporate Finance issued annual budget targets to each line of business (LOB). Following Session 2, Gas Operations completed the one-year detailed operating plan based on the annual targets set through the Integrated Planning Process. Details for Session 1, Session 2 and the Detailed Planning process are outlined below.

Session 1

Session 1 for all PG&E LOBs was coordinated by the Corporate Integrated Planning Team (IPT). The process began with a corporate kick-off meeting, during which the PG&E executive leadership team reviewed corporate goals,

set expectations for the planning process and outlined key deliverables during the planning process. Each LOB was responsible for developing its three-year strategic plan for 2013-2015 as part of Session 1. For Gas Operations, the Investment Planning group led the development of the strategic plan, which outlined the organization's goals, strategies, metrics, resource needs, process needs, technology needs and a high-level financial forecast. To develop this information, Investment Planning worked directly with the Gas Operations senior leadership team (including the Executive Vice President and his direct reports), and subject matter experts within the Asset and Risk Management; Engineering, Construction and Operations; Human Resources; Safety & Shared Services; and Information Technology (IT) organizations. Investment Planning led review sessions with the Gas Operations senior leadership team as content was developed and once completed, obtained approval of the strategic plan from the Gas Operations senior leadership team. This plan was submitted to senior PG&E officers who conducted meetings with all LOBs to discuss work needs and priorities. Through these meetings and the information contained in the LOBs' strategic plans, the Company's leaders determined priorities for the utility as a whole to achieve its strategic goals and provided feedback to LOB leaders on their strategic plan. This feedback was then used to finalize the LOBs' strategic plans.

Session 2

Session 2 for all PG&E LOBs was coordinated by the Corporate IPT. For Gas Operations, Investment Planning led the development of the execution plan, which reflected the work and resource plan to execute the strategic plan approved in Session 1. The work and resource plan included program level units and costs, resource needs, operational metrics and financial needs for the three-year time horizon that aligned with the strategic plan. In 2012, Investment Planning worked directly with subject matter experts in Asset and Risk Management; and Engineering, Construction and Operations to develop proposed work plans to achieve the goals established in the strategic plan. Investment Planning prioritized the work at a high-level using the framework described in previous reports and outlined below. Investment Planning led review sessions with the Gas Operations senior leadership team as the plan was developed and, once completed, obtained approval of the execution plan from the Gas Operations

senior leadership team. This plan was submitted to senior PG&E officers who conducted meetings with all LOBs to discuss work needs and priorities. Through these meetings and the information contained in the LOBs' execution plans, the Company's leaders determined priorities for the utility as a whole to achieve its execution plan. Once the work plans were finalized, Corporate Finance issued the approved budget targets for 2013.

Detailed Plan

Investment Planning started the detailed work plan by conducting a kickoff meeting with work initiators in the Asset and Risk Management organization; and the Engineering, Construction and Operations organization. Work initiators were given a timeline to develop project level information. Project level information included project scope, schedule, cost and preliminary priority values using the prioritization framework described below as well as in previous Gas Distribution Safety Reports. This framework was applied across all major work streams, including Integrity Management projects that were prioritized within the Integrity Management program at a more granular level. Investment Planning conducted prioritization sessions with work initiators to review and refine the portfolio based on priority value, resource availability and execution risks. During these review sessions, work initiators reviewed the entire portfolio, allowing for calibration of priority values across multiple work streams to ensure consistent application of the prioritization criteria. Once the detailed plan was completed, the plan was entered into SAP.

Modifications to 2013 Plan

In order to address new information, unanticipated work, changes in cost estimates, and/or changes in execution schedules that arise after completing the plan, the Gas Distribution organization utilized the same framework outlined in previous Gas Distribution Safety Reports and below to complete risk-based reallocation of funding to certain projects. The decision process is very similar to the process outlined above in the Detailed Plan section. Investment Planning analyzes portfolio changes, aggregates incremental requests, and conducts meetings with work initiators to review, prioritize and adjust the existing portfolio. Outcomes of these prioritization meetings are reviewed with Gas Operations senior leadership during Monthly Forecast Review meetings, and Governance

and Sanctioning meetings. Changes to the plan are adopted accordingly and recorded in SAP.

Prioritization for 2013 Planning

In the development of the 2013 plan and budget, all work was evaluated using the same prioritization framework (Mandatory, Priority 1, 2 and 3) as described in previous Gas Distribution Safety Reports. Definitions for the prioritization framework are as follows:

- **Mandatory** – Work that is required to maintain system safety, mandated by rule or regulation (e.g., CPUC or Federal Energy Regulatory Commission), or is essential to maintaining the Company’s business operations.
- **Priority 1** – Work that is deemed critical to the Company’s operational goals and that could not be deferred without impact to system operations or reliability.
- **Priority 2** – Work that would have a moderate impact on the Company’s operational goals but for which deferral may be considered.
- **Priority 3** – Work that is necessary to successfully realize the Company’s long-term objectives but for which deferral may be considered.

Enhancements Impacting Future Gas Distribution Safety Reports

Starting in late 2012, Gas Operations began developing an enhanced risk management process. This enhanced process was not in place at the time that the 2013 plans and budgets were developed, and was therefore first introduced in Gas Distribution Pipeline Safety Report No. 2013-01.

A single risk management framework has been implemented across all gas asset families⁸ to drive consistency in the way Gas Operations analyzes and addresses risks to its assets. This framework encompasses risk assessment processes already in place, such as in the Transmission and Distribution Integrity Management programs, which are driven by compliance with regulatory obligations placed on both transmission and distribution pipelines, and applies the same principles to all gas assets. The assessment of risk covered by this framework is a primary driver for asset-related capital and expense work.

⁸ In initiating its Asset Management Strategy, PG&E divided its gas assets into eight asset families: Transmission Pipe; Natural Gas Storage; Compression and Processing; Measurement and Control; Distribution Mains; Distribution Services; Customer Connected Equipment; and Liquefied Natural Gas and Compressed Natural Gas.

The framework consists of three key processes: (1) holistic threat identification and risk assessment; (2) risk register and Session D; and (3) Investment Planning prioritization.

First, the holistic threat identification and risk assessment process identifies potential threats to the assets within each asset family (including Integrity Management processes within the Transmission Pipe and Distribution Mains asset families). Each asset family identifies the resident (stable), time dependent and time independent threats related to the assets, and the primary causes and key preventative and mitigative measures available to reduce the threat.

Second, through the risk register and Session D processes, asset family owners (AFO) communicate the largest risks in a consistent method across all asset families. The risk register is a mechanism for consistently capturing and scoring risks across Gas Operations. The risk register for each asset family is owned by the AFO and monitored by the Gas Operations Risk Management team to ensure that key risks (and changes to these risks) are highlighted and communicated to leadership. All identified risks for Gas Operations are recorded within the risk register. These risks were identified with reference to the full range of potential threats to the asset base. Session D was added to the Integrated Planning Process in 2013 and included a comprehensive assessment and discussion of operational and compliance risks that were captured in a risk register. Session D occurs prior to Session 1 to ensure that the risks identified during Session D inform the strategic plan developed during Session 1. Session D will impact the 2014 plan and budget.

The third process involved in the framework is the Investment Planning prioritization process. The holistic view of asset-related threats and the risk register and Session D processes are used by asset family stakeholders to identify and propose work. Once work is proposed, the Investment Planning team uses the multi-stage process described below to prioritize work to develop the work plan.

To arrive at a consistent, prioritized portfolio of capital and expense work over a given period that reflect our risk assessment results, the Investment Planning process compares projects both within and across asset families. In addition to work proposed by AFOs, Investment Planning also aggregates and prioritizes

work that is not included within a specific asset, including information technology, buildings, tools, fleet, etc. The process includes the following key steps:

1. All projects/programs are classified to identify key work drivers including, but not limited to, compliance, work requested by others and strategic.
2. Projects/programs are risk-scored based on consequence and probability scores for safety, environmental, and reliability. The risk scoring process for projects/programs uses a scoring framework that is consistent with the framework used to score risk during the risk register process.
3. Risk scores within an asset family are calibrated by the AFO during an Intra-Asset Calibration Session conducted by Investment Planning. Risk scores are then calibrated across asset families during an Inter-Asset Calibration Session conducted by Investment Planning. These validation sessions ensure consistency in risk scoring.
4. Based on the classifications and risk scores, Investment Planning builds a preliminary portfolio of work and reviews constraints related to resources, system availability and work execution.
5. Based on the constraints identified, Investment Planning revises the portfolio and conducts a series of Investment Decision Meetings with the AFOs to develop a risk-based, executable plan based on risk scores, classification of work, constraints and costs.
6. Finally, the plan is reviewed by the Governance and Sanctioning Committee, chaired by the Executive Vice President of Gas Operations, for review and approval.

Budgeting, Spending and Project Reprioritization

2. Settlement Agreement Allocations

Request

Amount of funds allocated in the Settlement Agreement to each MWC related to gas distribution pipeline safety, integrity and reliability for capital expenditures and for O&M expenses. To the extent they are specified in the Settlement Agreement, amounts of funds expected to be incurred for each capital project used as the basis for the settled capital expenditures. If capital projects are not specified in the Settlement Agreement, show the capital projects proposed by PG&E in its Application 09-12-020.

Response

The Settlement Agreement Allocation values for O&M expenses provided in Table 2-1 below are based on the values set forth in Decision 11-05-018, Appendix A, page 1-A3, escalated by 3 percent consistent with the attrition adjustment for 2013 authorized in Decision 11-05-018.

PG&E applied a normalized approach to the capital spending profile over the 2011-2013 period to develop the 2013 capital expenditure regulatory values. This approach was used because the Settlement Agreement did not specifically identify capital expenditures for the attrition years 2012 and 2013, and the adopted attrition revenues would not provide adequate funding to maintain the 2011 capital spending profile. Accordingly, the Settlement Agreement Allocation values for capital expenditures provided in Table 2-2 below are the same as those set forth in Gas Distribution Pipeline Safety Report No. 2011-01.

Consistent with previous reports, PG&E is including four additional categories of work. Three of the MWCs were initially included in the Customer Care organization in the 2011 GRC, but were since moved in whole or in part to the Gas Operations organization beginning in 2012: MWC DD – Provide Field Service; MWC HY – Change/Maintain Used Gas Meters and MWC 74 – Install New Gas Meters; and a fourth, MWC 4A – Gas Control, a new Major Work Category.

The gas-related activities forecasted in MWC DD in the 2011 GRC has been moved to Gas Operations. The portion of gas-related activities forecasted in MWCs HY and 74 that has been moved to Gas Operations is both immaterial and difficult to segregate. Therefore, for simplicity, PG&E has indicated “n/a” as the

Settlement Agreement Allocation amounts.⁹ There are three primary costs that are now recorded in gas distribution MWC HY: (1) emergency/hazardous leak repairs at the meter that were previously included in MWC DD; (2) non-hazardous leak repair which is a new program that began in 2012; and (3) work on atmospheric corrosion at the meter. Costs included for MWC 74 in Gas Operations are labor costs to replace regulators, which are capitalized to plant in service.

**TABLE 2-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF 2013 O&M ALLOCATIONS
FOR GAS DISTRIBUTION PIPELINE SAFETY, INTEGRITY AND RELIABILITY
BASED ON THE GRC SETTLEMENT AGREEMENT (D.11-05-018, APPENDIX A, PAGE 1-A3)
(IN THOUSANDS OF 2013 DOLLARS)**

MWC	MWC Description	Settlement Agreement Allocation
DD	Provide Field Service	\$75,242
DE	G Dist Leak Survey	16,425
DF	G&E T&D Locate & Mark	31,723
DG	G Dist Cathodic Protection	11,412
EX	G Dist Meter Protection	1,273
FG	G Dist Operate System	4,185
FH	G Dist Preventive Maint	17,955
FI	G Dist Corrective Maint	37,827
GF	G Distribution Mapping	1,697
GG	G Dist Planning & Ops Engineer	3,246
HY	Change/Maintain Used Gas Meters	n/a
JQ/JS	G Dist Integrity Management	20,500
Gas Distribution Expense		\$221,485

⁹ For the other MWCs with “n/a” (4A, 2J and 2K) in Tables 2-1 and 2-2, there is no amount allocated from the Settlement Agreement; however, PG&E included the MWCs in these tables for completeness of presentation. In later sections of this report, PG&E presents the budget and recorded costs in 2013 for these MWCs.

**TABLE 2-2
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF 2013 CAPITAL ALLOCATIONS
FOR GAS DISTRIBUTION PIPELINE SAFETY, INTEGRITY AND RELIABILITY
BASED ON THE GRC SETTLEMENT AGREEMENT
(IN THOUSANDS OF 2013 DOLLARS)**

MWC	MWC Description	Settlement Agreement Allocation
14	G Dist Pipeline Repl Program	\$123,266
27	Gas Meter Protection-Capital	593
2J	GT&D Impl Regulatory Change	n/a
2K	G Dist Repl/Convert Cust HPR	n/a
47	G Dist Capacity	12,760
4A	G Dist Ctrl Operations Assets	n/a
50	G Dist Reliability General	20,660
52	G Dist Leak Repl/Emergency	264
74	Install New Gas Meters	n/a
Gas Distribution Capital		\$157,543

3. Budget by Major Work Category

Request

Amount budgeted for each MWC at the beginning of each calendar year.

Response

Tables 3-1 and 3-2 reflect the funds budgeted by MWC for O&M and capital, respectively.

**TABLE 3-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF BUDGETED O&M EXPENSE BY MWC
(IN THOUSANDS OF 2013 DOLLARS)**

MWC	MWC Description	2013 Total
DD	Provide Field Service	\$85,505
DE	G Dist Leak Survey	25,236
DF	G&E T&D Locate and Mark	32,028
DG	G Dist Cathodic Protection	12,652
EX	G Dist Meter Protection	10,368
FG	G Dist Operate System	11,619
FH	G Dist Preventive Maint	19,793
FI	G Dist Corrective Maint	69,432
GF	G Dist Mapping	2,000
GG	G Dist Planning & Ops Engineer	7,659
HY	Change/Maint Used Gas Meters	11,881
JQ/JS	G Dist Integrity Management	32,978
Gas Distribution Expense		\$321,152

**TABLE 3-2
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF BUDGETED CAPITAL BY MWC
(IN THOUSANDS OF 2013 DOLLARS)**

MWC	MWC Description	2013 Total
14	G Dist Pipeline Repl Program	\$193,714
27	Gas Meter Protection-Capital	993
2J	GT&D Impl Regulatory Change	3,500
2K	G Dist Repl/Convert Cust HPR	49,660
47	G Dist Capacity	39,529
4A	G Dist Ctrl Operations Assets	25,922
50	G Dist Reliability General	75,133
52	G Dist Leak Repl/Emergency	596
74	Install New Gas Meters	12,812
Gas Distribution Capital		\$401,859

4. Capital Spending by Major Work Category

Request

Amount spent during the reporting period, year to date (YTD), and annual totals by MWC and for each capital project within each MWC.

Response

Table 4-1 provides a summary, by capital MWC, of the spending on gas distribution pipeline safety, reliability and integrity for the period July 1 through December 31, 2013, and 2013 annual totals.¹⁰

TABLE 4-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF CAPITAL SPENDING BY MWC
(IN THOUSANDS OF 2013 DOLLARS)

MWC	MWC Description	Actuals	
		7/1 – 12/31/13	2013 Total
14	G Dist Pipeline Repl Program	\$120,346	\$202,432
27	Gas Meter Protection-Capital	4,179	4,199
2J	GT&D Impl Regulatory Change	1,305	1,716
2K	G Dist Repl/Convert Cust HPR	13,695	40,064
47	G Dist Capacity	14,008	20,041
4A	G Dist Ctrl Operations Assets	18,358	28,908
50	G Dist Reliability General	85,032	132,844
52	G Dist Leak Repl/Emergency	369	645
74	Install New Gas Meters	271	1,846
Gas Distribution Capital		\$257,563	\$432,695

Table 4-2 provides additional project-by-project spending detail. The column titled "Project No." corresponds to the type of work by division. Within each "Project No." are many orders for specific projects. Orders for these specific projects that meet the criteria for this report are noted with an eight digit number and an order description. Orders noted as "OTHER" reflect a grouping of smaller projects that are forecast to be less than \$250,000. This level of detail shows all projects or grouping of projects within each MWC.

¹⁰ Actual spend for the period July 1 through December 31, 2013, presented in this report reflects SAP data as of January 27, 2014.

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
1				GRAND TOTAL		\$ 257,563	\$ 432,695	\$ 1,653,847
2	14		TOTAL FOR MWC 14			\$ 120,346	\$ 202,432	\$ 968,274
3	14	5500725	Pipeline Replacement-East Bay	TOTAL		\$ 6,414	\$ 7,290	\$ 23,070
4	14	5500725	Pipeline Replacement-East Bay	OTHER		\$ 40	\$ 11	\$ 13,391
5	14	5500725	Pipeline Replacement-East Bay	30956570		\$ 837	\$ 861	\$ 861
6	14	5500725	Pipeline Replacement-East Bay	30956569		\$ 502	\$ 509	\$ 509
7	14	5500725	Pipeline Replacement-East Bay	30956568		\$ 722	\$ 744	\$ 745
8	14	5500725	Pipeline Replacement-East Bay	30956567		\$ 16	\$ 20	\$ 20
9	14	5500725	Pipeline Replacement-East Bay	30956566		\$ 7	\$ 14	\$ 14
10	14	5500725	Pipeline Replacement-East Bay	30956565		\$ 3	\$ 11	\$ 14
11	14	5500725	Pipeline Replacement-East Bay	30956564		\$ 1,592	\$ 1,613	\$ 1,614
12	14	5500725	Pipeline Replacement-East Bay	30956478		\$ 482	\$ 489	\$ 489
13	14	5500725	Pipeline Replacement-East Bay	30956477		\$ 4	\$ 13	\$ 13
14	14	5500725	Pipeline Replacement-East Bay	30956476		\$ 392	\$ 417	\$ 417
15	14	5500725	Pipeline Replacement-East Bay	30956474		\$ 5	\$ 17	\$ 18
16	14	5500725	Pipeline Replacement-East Bay	30956473		\$ 270	\$ 291	\$ 291
17	14	5500725	Pipeline Replacement-East Bay	30956472		\$ 259	\$ 267	\$ 267
18	14	5500725	Pipeline Replacement-East Bay	30956471		\$ 920	\$ 939	\$ 939
19	14	5500725	Pipeline Replacement-East Bay	30956470		\$ 251	\$ 264	\$ 264
20	14	5500725	Pipeline Replacement-East Bay	30887592		\$ 71	\$ 86	\$ 1,063
21	14	5500725	Pipeline Replacement-East Bay	30887591		\$ 0	\$ 555	\$ 575
22	14	5500725	Pipeline Replacement-East Bay	30887589		\$ 40	\$ 171	\$ 1,568
23	14	5500726	Pipeline Replacement-Fresno	TOTAL		\$ 278	\$ 2,272	\$ 19,922
24	14	5500726	Pipeline Replacement-Fresno	OTHER		\$ 27	\$ 32	\$ 14,782
25	14	5500726	Pipeline Replacement-Fresno	30993887		\$ 13	\$ 13	\$ 13
26	14	5500726	Pipeline Replacement-Fresno	30959719		\$ 7	\$ 10	\$ 11
27	14	5500726	Pipeline Replacement-Fresno	30959318		\$ 7	\$ 16	\$ 16
28	14	5500726	Pipeline Replacement-Fresno	30945282		\$ 101	\$ 119	\$ 119
29	14	5500726	Pipeline Replacement-Fresno	30941324		\$ 10	\$ 21	\$ 21
30	14	5500726	Pipeline Replacement-Fresno	30881405		\$ 0	\$ 86	\$ 1,612
31	14	5500726	Pipeline Replacement-Fresno	30878698		\$ 0	\$ 17	\$ 1,328
32	14	5500726	Pipeline Replacement-Fresno	30865996		\$ 114	\$ 1,958	\$ 2,019
33	14	5500910	Pipeline Replacement-North Bay	TOTAL		\$ 1,140	\$ 1,583	\$ 9,627
34	14	5500910	Pipeline Replacement-North Bay	OTHER		\$ 32	\$ 50	\$ 6,966
35	14	5500910	Pipeline Replacement-North Bay	30977261		\$ 315	\$ 338	\$ 338
36	14	5500910	Pipeline Replacement-North Bay	30967926		\$ 12	\$ 12	\$ 12
37	14	5500910	Pipeline Replacement-North Bay	30967922		\$ 19	\$ 22	\$ 22
38	14	5500910	Pipeline Replacement-North Bay	30967910		\$ 32	\$ 33	\$ 33
39	14	5500910	Pipeline Replacement-North Bay	30967075		\$ 78	\$ 208	\$ 208
40	14	5500910	Pipeline Replacement-North Bay	30958510		\$ 650	\$ 748	\$ 753
41	14	5500910	Pipeline Replacement-North Bay	30874152		\$ 0	\$ 95	\$ 480
42	14	5500910	Pipeline Replacement-North Bay	30835391		\$ 3	\$ 78	\$ 814
43	14	5500912	Pipeline Replacement-SO	TOTAL		\$ 908	\$ 1,005	\$ 5,196
44	14	5500912	Pipeline Replacement-SO	OTHER		\$ 42	\$ 50	\$ 4,240
45	14	5500912	Pipeline Replacement-SO	30950218		\$ 300	\$ 307	\$ 307
46	14	5500912	Pipeline Replacement-SO	30935109		\$ 7	\$ 27	\$ 27
47	14	5500912	Pipeline Replacement-SO	30929891		\$ 559	\$ 622	\$ 622
48	14	5500914	Pipeline Replacement-North Valley	TOTAL		\$ 98	\$ 1,205	\$ 2,529
49	14	5500914	Pipeline Replacement-North Valley	OTHER		\$ 8	\$ 76	\$ 1,230
50	14	5500914	Pipeline Replacement-North Valley	30974979		\$ 18	\$ 18	\$ 18
51	14	5500914	Pipeline Replacement-North Valley	30916076		\$ 71	\$ 860	\$ 866
52	14	5500914	Pipeline Replacement-North Valley	30889978		\$ 1	\$ 251	\$ 415
53	14	5500917	Pipeline Replacement-Peninsula	TOTAL		\$ 93	\$ 602	\$ 15,616
54	14	5500917	Pipeline Replacement-Peninsula	OTHER		\$ 33	\$ 331	\$ 13,070
55	14	5500917	Pipeline Replacement-Peninsula	30980608		\$ 11	\$ 12	\$ 12
56	14	5500917	Pipeline Replacement-Peninsula	30967404		\$ 27	\$ 28	\$ 28
57	14	5500917	Pipeline Replacement-Peninsula	30940733		\$ 13	\$ 25	\$ 33
58	14	5500917	Pipeline Replacement-Peninsula	30940732		\$ 7	\$ 14	\$ 18
59	14	5500917	Pipeline Replacement-Peninsula	30940731		\$ 2	\$ 12	\$ 19
60	14	5500917	Pipeline Replacement-Peninsula	30837951		\$ 1	\$ 181	\$ 2,436
61	14	5500919	Pipeline Replacement-Sacramento	TOTAL		\$ 121	\$ 258	\$ 11,090
62	14	5500919	Pipeline Replacement-Sacramento	OTHER		\$ 33	\$ 129	\$ 10,498
63	14	5500919	Pipeline Replacement-Sacramento	30993299		\$ 45	\$ 51	\$ 51
64	14	5500919	Pipeline Replacement-Sacramento	30973176		\$ 42	\$ 44	\$ 44
65	14	5500919	Pipeline Replacement-Sacramento	30955335		\$ 7	\$ 30	\$ 30
66	14	5500919	Pipeline Replacement-Sacramento	30827449		-\$ 6	\$ 5	\$ 467
67	14	5500923	Pipeline Replacement-San Jose	TOTAL		\$ 583	\$ 715	\$ 12,125
68	14	5500923	Pipeline Replacement-San Jose	OTHER		\$ 56	\$ 67	\$ 11,011
69	14	5500923	Pipeline Replacement-San Jose	30944380		\$ 177	\$ 180	\$ 180
70	14	5500923	Pipeline Replacement-San Jose	30944358		\$ 8	\$ 15	\$ 15
71	14	5500923	Pipeline Replacement-San Jose	30944357		\$ 348	\$ 350	\$ 350
72	14	5500923	Pipeline Replacement-San Jose	30874357		-\$ 6	\$ 103	\$ 569
73	14	5500926	Pipeline Replacement-Stockton	TOTAL		\$ 1,438	\$ 2,641	\$ 9,885
74	14	5500926	Pipeline Replacement-Stockton	OTHER		-\$ 9	\$ 169	\$ 6,974
75	14	5500926	Pipeline Replacement-Stockton	30992342		\$ 9	\$ 10	\$ 10
76	14	5500926	Pipeline Replacement-Stockton	30988126		\$ 10	\$ 17	\$ 17
77	14	5500926	Pipeline Replacement-Stockton	30988125		\$ 481	\$ 484	\$ 484
78	14	5500926	Pipeline Replacement-Stockton	30966786		\$ 818	\$ 1,198	\$ 1,198
79	14	5500926	Pipeline Replacement-Stockton	30966781		\$ 62	\$ 64	\$ 64
80	14	5500926	Pipeline Replacement-Stockton	30942110		\$ 67	\$ 681	\$ 683

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
81	14	5500926	Pipeline Replacement-Stockton	30817483		\$ 0	\$ 17	\$ 454
82	14	5500928	Pipeline Replacement-Yosemite	TOTAL		\$ 1,315	\$ 1,892	\$ 6,608
83	14	5500928	Pipeline Replacement-Yosemite	OTHER		\$ 70	\$ 86	\$ 4,024
84	14	5500928	Pipeline Replacement-Yosemite	30980621		\$ 22	\$ 22	\$ 22
85	14	5500928	Pipeline Replacement-Yosemite	30969454		\$ 47	\$ 433	\$ 433
86	14	5500928	Pipeline Replacement-Yosemite	30969449		\$ 18	\$ 18	\$ 18
87	14	5500928	Pipeline Replacement-Yosemite	30969445		\$ 13	\$ 13	\$ 13
88	14	5500928	Pipeline Replacement-Yosemite	30969442		\$ 6	\$ 11	\$ 11
89	14	5500928	Pipeline Replacement-Yosemite	30948864		\$ 370	\$ 406	\$ 406
90	14	5500928	Pipeline Replacement-Yosemite	30948863		\$ 552	\$ 567	\$ 568
91	14	5500928	Pipeline Replacement-Yosemite	30900991		\$ 216	\$ 249	\$ 252
92	14	5500928	Pipeline Replacement-Yosemite	30900990		\$ 2	\$ 88	\$ 862
93	14	5501132	Pipeline Replacement-Central Coast	TOTAL		\$ 875	\$ 889	\$ 1,489
94	14	5501132	Pipeline Replacement-Central Coast	OTHER		\$ 17	\$ 25	\$ 624
95	14	5501132	Pipeline Replacement-Central Coast	30943691		\$ 858	\$ 865	\$ 865
96	14	5505699	Pipeline Replacement - Kern	TOTAL		\$ 493	\$ 499	\$ 836
97	14	5505699	Pipeline Replacement - Kern	OTHER		\$ 6	\$ 6	\$ 342
98	14	5505699	Pipeline Replacement - Kern	30960422		\$ 488	\$ 494	\$ 494
99	14	5505701	Pipeline Replacement - Sierra	TOTAL		\$ 53	\$ 68	\$ 951
100	14	5505701	Pipeline Replacement - Sierra	OTHER		\$ 34	\$ 49	\$ 933
101	14	5505701	Pipeline Replacement - Sierra	31009584		\$ 19	\$ 19	\$ 19
102	14	5506442	Pipeline Replacement-Mission	TOTAL		\$ 9	\$ 15	\$ 788
103	14	5506443	Pipeline Replacement-San Francisco	TOTAL		\$ 49,832	\$ 83,888	\$ 496,202
104	14	5506443	Pipeline Replacement-San Francisco	OTHER		\$ 80	\$ 367	\$ 368,120
105	14	5506443	Pipeline Replacement-San Francisco	31016499		\$ 13	\$ 13	\$ 13
106	14	5506443	Pipeline Replacement-San Francisco	31012252		\$ 19	\$ 19	\$ 19
107	14	5506443	Pipeline Replacement-San Francisco	31000363		\$ 55	\$ 55	\$ 55
108	14	5506443	Pipeline Replacement-San Francisco	31000361		\$ 13	\$ 13	\$ 13
109	14	5506443	Pipeline Replacement-San Francisco	31000120		\$ 17	\$ 17	\$ 17
110	14	5506443	Pipeline Replacement-San Francisco	30998128		\$ 40	\$ 40	\$ 40
111	14	5506443	Pipeline Replacement-San Francisco	30998056		\$ 17	\$ 17	\$ 17
112	14	5506443	Pipeline Replacement-San Francisco	30977848		\$ 49	\$ 50	\$ 50
113	14	5506443	Pipeline Replacement-San Francisco	30977847		\$ 18	\$ 18	\$ 18
114	14	5506443	Pipeline Replacement-San Francisco	30977846		\$ 1,439	\$ 1,442	\$ 1,442
115	14	5506443	Pipeline Replacement-San Francisco	30977843		\$ 496	\$ 502	\$ 502
116	14	5506443	Pipeline Replacement-San Francisco	30977842		\$ 1,759	\$ 1,775	\$ 1,775
117	14	5506443	Pipeline Replacement-San Francisco	30977840		\$ 2,386	\$ 2,827	\$ 2,827
118	14	5506443	Pipeline Replacement-San Francisco	30977599		\$ 3,809	\$ 3,812	\$ 3,812
119	14	5506443	Pipeline Replacement-San Francisco	30959927		\$ 844	\$ 1,405	\$ 1,405
120	14	5506443	Pipeline Replacement-San Francisco	30959549		\$ 2,021	\$ 2,039	\$ 2,039
121	14	5506443	Pipeline Replacement-San Francisco	30959548		\$ 264	\$ 342	\$ 343
122	14	5506443	Pipeline Replacement-San Francisco	30959541		\$ 2,690	\$ 2,913	\$ 2,914
123	14	5506443	Pipeline Replacement-San Francisco	30959479		\$ 2,934	\$ 3,514	\$ 3,517
124	14	5506443	Pipeline Replacement-San Francisco	30959466		\$ 3,066	\$ 3,773	\$ 3,774
125	14	5506443	Pipeline Replacement-San Francisco	30957041		\$ 976	\$ 978	\$ 979
126	14	5506443	Pipeline Replacement-San Francisco	30957040		\$ 1,931	\$ 2,398	\$ 2,398
127	14	5506443	Pipeline Replacement-San Francisco	30956939		\$ 2,904	\$ 3,313	\$ 3,313
128	14	5506443	Pipeline Replacement-San Francisco	30956938		\$ 602	\$ 605	\$ 605
129	14	5506443	Pipeline Replacement-San Francisco	30956937		\$ 2,102	\$ 2,106	\$ 2,106
130	14	5506443	Pipeline Replacement-San Francisco	30956936		\$ 747	\$ 748	\$ 748
131	14	5506443	Pipeline Replacement-San Francisco	30956934		\$ 825	\$ 831	\$ 831
132	14	5506443	Pipeline Replacement-San Francisco	30956932		\$ 2,153	\$ 2,159	\$ 2,160
133	14	5506443	Pipeline Replacement-San Francisco	30945054		\$ 2,223	\$ 2,227	\$ 2,228
134	14	5506443	Pipeline Replacement-San Francisco	30945051		\$ 1,626	\$ 1,632	\$ 1,633
135	14	5506443	Pipeline Replacement-San Francisco	30945050		\$ 1,688	\$ 1,857	\$ 1,858
136	14	5506443	Pipeline Replacement-San Francisco	30945046		\$ 1,781	\$ 1,799	\$ 1,801
137	14	5506443	Pipeline Replacement-San Francisco	30944935		\$ 323	\$ 1,242	\$ 1,243
138	14	5506443	Pipeline Replacement-San Francisco	30941193		\$ 318	\$ 1,570	\$ 1,571
139	14	5506443	Pipeline Replacement-San Francisco	30941190		\$ 88	\$ 2,119	\$ 2,136
140	14	5506443	Pipeline Replacement-San Francisco	30940207		\$ 28	\$ 310	\$ 311
141	14	5506443	Pipeline Replacement-San Francisco	30940200		\$ 817	\$ 2,777	\$ 2,782
142	14	5506443	Pipeline Replacement-San Francisco	30940125		\$ 74	\$ 1,393	\$ 1,394
143	14	5506443	Pipeline Replacement-San Francisco	30935572		\$ 1,994	\$ 2,782	\$ 2,783
144	14	5506443	Pipeline Replacement-San Francisco	30935565		\$ 567	\$ 1,693	\$ 1,694
145	14	5506443	Pipeline Replacement-San Francisco	30935561		\$ 88	\$ 3,662	\$ 3,683
146	14	5506443	Pipeline Replacement-San Francisco	30935560		\$ 35	\$ 1,930	\$ 2,012
147	14	5506443	Pipeline Replacement-San Francisco	30935499		\$ 153	\$ 958	\$ 959
148	14	5506443	Pipeline Replacement-San Francisco	30932625		-\$ 6	\$ 9	\$ 439
149	14	5506443	Pipeline Replacement-San Francisco	30884681		\$ 2,058	\$ 2,470	\$ 2,473
150	14	5506443	Pipeline Replacement-San Francisco	30884680		\$ 12	\$ 1,014	\$ 1,031
151	14	5506443	Pipeline Replacement-San Francisco	30884479		\$ 747	\$ 3,245	\$ 3,288
152	14	5506443	Pipeline Replacement-San Francisco	30884478		\$ 24	\$ 1,182	\$ 1,188
153	14	5506443	Pipeline Replacement-San Francisco	30884470		\$ 11	\$ 270	\$ 3,077
154	14	5506443	Pipeline Replacement-San Francisco	30883123		\$ 19	\$ 161	\$ 517
155	14	5506443	Pipeline Replacement-San Francisco	30882938		\$ 164	\$ 3,881	\$ 3,859
156	14	5506443	Pipeline Replacement-San Francisco	30882937		\$ 2	\$ 31	\$ 3,788
157	14	5506443	Pipeline Replacement-San Francisco	30882935		\$ 0	\$ 294	\$ 2,177
158	14	5506443	Pipeline Replacement-San Francisco	30881570		\$ 2	\$ 71	\$ 1,843
159	14	5506443	Pipeline Replacement-San Francisco	30881563		\$ 55	\$ 803	\$ 2,572
160	14	5506443	Pipeline Replacement-San Francisco	30881562		\$ 0	\$ 38	\$ 1,794

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
161	14	5506443	Pipeline Replacement-San Francisco	30881560		\$ 2	\$ 106	\$ 3,196
162	14	5506443	Pipeline Replacement-San Francisco	30881539		\$ 0	\$ 445	\$ 4,705
163	14	5506443	Pipeline Replacement-San Francisco	30881529		\$ 3	\$ 103	\$ 2,256
164	14	5506443	Pipeline Replacement-San Francisco	30881528		\$ 2	\$ 62	\$ 2,810
165	14	5506443	Pipeline Replacement-San Francisco	30881526		\$ 0	\$ 284	\$ 2,229
166	14	5506443	Pipeline Replacement-San Francisco	30878471		\$ 14	\$ 264	\$ 1,311
167	14	5506443	Pipeline Replacement-San Francisco	30878470		-\$ 2	\$ 314	\$ 2,492
168	14	5506443	Pipeline Replacement-San Francisco	30869181		\$ 4	\$ 70	\$ 1,585
169	14	5506443	Pipeline Replacement-San Francisco	30868586		-\$ 1	\$ 279	\$ 2,140
170	14	5506443	Pipeline Replacement-San Francisco	30868411		-\$ 5	\$ 62	\$ 1,588
171	14	5506443	Pipeline Replacement-San Francisco	30868409		\$ 0	\$ 22	\$ 2,198
172	14	5506443	Pipeline Replacement-San Francisco	30868408		\$ 27	\$ 444	\$ 1,460
173	14	5506443	Pipeline Replacement-San Francisco	30867720		\$ 503	\$ 828	\$ 3,165
174	14	5506443	Pipeline Replacement-San Francisco	30861549		\$ 0	\$ 22	\$ 1,827
175	14	5506443	Pipeline Replacement-San Francisco	30829739		\$ 131	\$ 1,273	\$ 1,273
176	14	5507199	EB COPPER SERVICE REPLACEMENT	TOTAL		\$ 53	\$ 148	\$ 35,470
177	14	5507399	PN COPPER SERVICE REPLACEMENT	TOTAL		\$ 792	\$ 800	\$ 27,874
178	14	5507599	DA COPPER SERVICE REPLACEMENT	TOTAL		\$ 0	\$ 0	\$ 6,340
179	14	5507600	SJ A67 SERVICES REPLACEMENT	TOTAL		\$ 99	\$ 465	\$ 1,171
180	14	5507601	MI A67 SERVICES REPLACEMENT	TOTAL		\$ 1,222	\$ 1,301	\$ 1,898
181	14	5507659	DI A67 SERVICES REPLACEMENT	TOTAL		\$ 6,727	\$ 8,968	\$ 16,423
182	14	5507659	DI A67 SERVICES REPLACEMENT	OTHER		\$ 5,520	\$ 7,740	\$ 15,193
183	14	5507659	DI A67 SERVICES REPLACEMENT	30950510		\$ 888	\$ 901	\$ 902
184	14	5507659	DI A67 SERVICES REPLACEMENT	30950509		\$ 319	\$ 327	\$ 328
185	14	5507661	FR A67 SERVICES REPLACEMENT	TOTAL		\$ 40	\$ 65	\$ 1,004
186	14	5507663	ST COPPER SERVICE REPLACEMENT	TOTAL		\$ 213	\$ 1,024	\$ 1,059
187	14	5507666	ECON STIM SA COPPER SRV REPL	TOTAL		\$ 23	\$ 58	\$ 15,675
188	14	5507668	NB A67 SERVICES REPLACEMENT	TOTAL		\$ 35	\$ 105	\$ 2,027
189	14	5507669	A67 SERVICES REPLACEMENT - SO	TOTAL		\$ 25	\$ 132	\$ 919
190	14	5507781	SF A67 SERVICES REPLACEMENT	TOTAL		\$ 0	\$ 0	\$ 642
191	14	5508319	EB A67 SERVICES REPLACEMENT	TOTAL		\$ 0	\$ 61	\$ 1,815
192	14	5508320	PN A67 SERVICES REPLACEMENT	TOTAL		\$ 77	\$ 177	\$ 1,102
193	14	5508321	DA A67 SERVICES REPLACEMENT	TOTAL		\$ 0	-\$ 1	\$ 179
194	14	5508322	CC COPPER SERVICES REPLACEMENT	TOTAL		\$ 21	\$ 89	\$ 6,302
195	14	5508324	MI COPPER SERVICE REPLACEMENT	TOTAL		\$ 63	\$ 364	\$ 13,097
196	14	5508325	SF COPPER SERVICE REPLACEMENT	TOTAL		\$ 1,972	\$ 2,040	\$ 22,563
197	14	5508326	YO COPPER SERVICE REPLACEMENT	TOTAL		\$ 66	\$ 196	\$ 4,816
198	14	5508366	NB COPPER SERVICE REPLACEMENT	TOTAL		\$ 1,906	\$ 2,111	\$ 32,310
199	14	5508367	COPPER SERVICE REPLACEMENT - SO	TOTAL		-\$ 24	-\$ 49	\$ 7,700
200	14	5508368	SI COPPER SERVICE REPLACEMENT	TOTAL		\$ 0	\$ 0	\$ 112
201	14	5508369	SA A67 SERVICES REPLACEMENT	TOTAL		\$ 291	\$ 537	\$ 1,958
202	14	5508371	FR COPPER SERVICE REPLACEMENT	TOTAL		\$ 266	\$ 957	\$ 6,575
203	14	5508372	DI COPPER SERVICE REPLACEMENT	TOTAL		\$ 2,002	\$ 8,185	\$ 61,829
204	14	5509082	HB - COPPER SERVICE REPLACEMENT	TOTAL		\$ 0	\$ 0	\$ 0
205	14	5509083	HB - A67 SERVICES REPLACEMENT	TOTAL		\$ 0	\$ 0	\$ 30
206	14	5509247	Est - Int Est/DesignDist - SCV MWC 14	TOTAL		-\$ 6,792	-\$ 2,884	-\$ 16,701
207	14	5509273	Mapping - Other Mapping - SCV MWC 14	TOTAL		\$ 558	\$ 243	-\$ 364
208	14	5510177	Econ Stim Pipeline Replacement San Jose	TOTAL		\$ 0	-\$ 2	\$ 1,071
209	14	5510178	Econ Stim Pipeline Replacement San Franc	TOTAL		\$ 0	-\$ 1	\$ 5,108
210	14	5510179	ECON STIM PN COPPER INACCESSIBLE TEES	TOTAL		\$ 35	\$ 124	\$ 1,123
211	14	5510539	ECON STIM EB COPPER SRV REPL	TOTAL		\$ 0	\$ 15	\$ 1,896
212	14	5510540	ECON STIM SJ COPPER SRV REPL	TOTAL		\$ 0	\$ 1	\$ 179
213	14	5510779	PLASTIC MAIN REPLACEMENT- PN	TOTAL		\$ 6,608	\$ 7,164	\$ 7,173
214	14	5510779	PLASTIC MAIN REPLACEMENT- PN	OTHER		\$ 39	\$ 47	\$ 51
215	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30978635		\$ 17	\$ 17	\$ 17
216	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30974119		\$ 11	\$ 11	\$ 11
217	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30973101		\$ 16	\$ 16	\$ 16
218	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30951496		\$ 1,393	\$ 1,396	\$ 1,397
219	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30951495		\$ 2	\$ 29	\$ 29
220	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30951494		\$ 5,063	\$ 5,587	\$ 5,587
221	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30948399		\$ 10	\$ 14	\$ 15
222	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30948397		\$ 14	\$ 17	\$ 19
223	14	5510779	PLASTIC MAIN REPLACEMENT- PN	30948396		\$ 23	\$ 32	\$ 32
224	14	5510780	PLASTIC MAIN REPLACEMENT- SF	TOTAL		\$ 3,295	\$ 4,252	\$ 5,059
225	14	5510780	PLASTIC MAIN REPLACEMENT- SF	OTHER		\$ 37	\$ 200	\$ 991
226	14	5510780	PLASTIC MAIN REPLACEMENT- SF	30977841		\$ 391	\$ 392	\$ 392
227	14	5510780	PLASTIC MAIN REPLACEMENT- SF	30956935		\$ 483	\$ 493	\$ 494
228	14	5510780	PLASTIC MAIN REPLACEMENT- SF	30941509		\$ 328	\$ 336	\$ 336
229	14	5510780	PLASTIC MAIN REPLACEMENT- SF	30941508		\$ 10	\$ 10	\$ 10
230	14	5510780	PLASTIC MAIN REPLACEMENT- SF	30941506		\$ 1,976	\$ 1,980	\$ 1,980
231	14	5510780	PLASTIC MAIN REPLACEMENT- SF	30941192		\$ 2	\$ 223	\$ 229
232	14	5510780	PLASTIC MAIN REPLACEMENT- SF	30940203		\$ 67	\$ 617	\$ 627
233	14	5510781	PLASTIC MAIN REPLACEMENT- DI	TOTAL		\$ 8,588	\$ 10,787	\$ 13,755
234	14	5510781	PLASTIC MAIN REPLACEMENT- DI	OTHER		\$ 54	\$ 59	\$ 73
235	14	5510781	PLASTIC MAIN REPLACEMENT- DI	31028690		\$ 11	\$ 11	\$ 11
236	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30981472		\$ 12	\$ 12	\$ 12
237	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30981471		\$ 11	\$ 11	\$ 11
238	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30968814		\$ 41	\$ 44	\$ 44
239	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30965520		\$ 11	\$ 12	\$ 12
240	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30949279		\$ 20	\$ 25	\$ 25

TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
241	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30949278		\$ 1,963	\$ 2,007	\$ 2,008
242	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30949276		\$ 8	\$ 13	\$ 13
243	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30949275		\$ 528	\$ 532	\$ 532
244	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30949273		\$ 964	\$ 971	\$ 972
245	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30949271		\$ 16	\$ 20	\$ 21
246	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30949265		\$ 687	\$ 693	\$ 693
247	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931587		\$ 691	\$ 695	\$ 696
248	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931586		\$ 14	\$ 18	\$ 19
249	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931585		\$ 702	\$ 706	\$ 707
250	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931584		\$ 16	\$ 23	\$ 24
251	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931583		\$ 317	\$ 324	\$ 326
252	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931498		\$ 10	\$ 18	\$ 22
253	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931497		\$ 5	\$ 10	\$ 12
254	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931494		\$ 1,600	\$ 1,609	\$ 1,610
255	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931490		\$ 9	\$ 18	\$ 19
256	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931489		\$ 314	\$ 323	\$ 325
257	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931484		\$ 366	\$ 1,923	\$ 1,924
258	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30931462		\$ 15	\$ 24	\$ 27
259	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30896294		\$ 185	\$ 307	\$ 1,291
260	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30896292		\$ 0	\$ 177	\$ 1,000
261	14	5510781	PLASTIC MAIN REPLACEMENT- DI	30896284		\$ 18	\$ 203	\$ 1,329
262	14	5510782	PLASTIC MAIN REPLACEMENT- EB	TOTAL		\$ 1,312	\$ 1,469	\$ 2,512
263	14	5510782	PLASTIC MAIN REPLACEMENT- EB	OTHER		\$ 57	\$ 64	\$ 252
264	14	5510782	PLASTIC MAIN REPLACEMENT- EB	30966521		\$ 13	\$ 15	\$ 15
265	14	5510782	PLASTIC MAIN REPLACEMENT- EB	30957905		\$ 1,095	\$ 1,098	\$ 1,098
266	14	5510782	PLASTIC MAIN REPLACEMENT- EB	30950935		\$ 13	\$ 14	\$ 14
267	14	5510782	PLASTIC MAIN REPLACEMENT- EB	30950934		\$ 31	\$ 33	\$ 33
268	14	5510782	PLASTIC MAIN REPLACEMENT- EB	30950933		\$ 11	\$ 13	\$ 14
269	14	5510782	PLASTIC MAIN REPLACEMENT- EB	30902399		\$ 91	\$ 232	\$ 1,087
270	14	5510783	PLASTIC MAIN REPLACEMENT- MI	TOTAL		\$ 7,183	\$ 7,282	\$ 7,292
271	14	5510783	PLASTIC MAIN REPLACEMENT- MI	OTHER		\$ 45	\$ 52	\$ 52
272	14	5510783	PLASTIC MAIN REPLACEMENT- MI	30950736		\$ 791	\$ 811	\$ 817
273	14	5510783	PLASTIC MAIN REPLACEMENT- MI	30950735		\$ 3,731	\$ 3,746	\$ 3,747
274	14	5510783	PLASTIC MAIN REPLACEMENT- MI	30950734		\$ 733	\$ 742	\$ 742
275	14	5510783	PLASTIC MAIN REPLACEMENT- MI	30950729		\$ 609	\$ 619	\$ 619
276	14	5510783	PLASTIC MAIN REPLACEMENT- MI	30950721		\$ 4	\$ 19	\$ 19
277	14	5510783	PLASTIC MAIN REPLACEMENT- MI	30950720		\$ 213	\$ 228	\$ 229
278	14	5510783	PLASTIC MAIN REPLACEMENT- MI	30950518		\$ 1,056	\$ 1,065	\$ 1,066
279	14	5510784	PLASTIC MAIN REPLACEMENT- CC	TOTAL		\$ 276	\$ 305	\$ 310
280	14	5510784	PLASTIC MAIN REPLACEMENT- CC	OTHER		\$ 20	\$ 21	\$ 21
281	14	5510784	PLASTIC MAIN REPLACEMENT- CC	30921135		\$ 201	\$ 208	\$ 209
282	14	5510784	PLASTIC MAIN REPLACEMENT- CC	30921134		\$ 17	\$ 25	\$ 26
283	14	5510784	PLASTIC MAIN REPLACEMENT- CC	30921133		\$ 10	\$ 14	\$ 15
284	14	5510784	PLASTIC MAIN REPLACEMENT- CC	30921130		\$ 28	\$ 38	\$ 39
285	14	5510785	PLASTIC MAIN REPLACEMENT- DA	TOTAL		\$ 760	\$ 3,502	\$ 9,653
286	14	5510785	PLASTIC MAIN REPLACEMENT- DA	OTHER		\$ 32	\$ 42	\$ 5,313
287	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30967816		\$ 12	\$ 13	\$ 13
288	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30959999		\$ 265	\$ 270	\$ 270
289	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30949413		\$ 9	\$ 19	\$ 21
290	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30949412		\$ 111	\$ 330	\$ 335
291	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30949411		\$ 9	\$ 306	\$ 310
292	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30949406		\$ 13	\$ 20	\$ 22
293	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30949399		\$ 10	\$ 34	\$ 37
294	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30949396		\$ 222	\$ 603	\$ 610
295	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30945588		\$ 32	\$ 392	\$ 395
296	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30945587		\$ 5	\$ 14	\$ 14
297	14	5510785	PLASTIC MAIN REPLACEMENT- DA	30926314		\$ 40	\$ 1,459	\$ 2,314
298	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	TOTAL		\$ 3,130	\$ 5,000	\$ 7,662
299	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	OTHER		\$ 58	\$ 58	\$ 871
300	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30982655		\$ 13	\$ 13	\$ 13
301	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30951516		\$ 587	\$ 591	\$ 591
302	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30951515		\$ 78	\$ 81	\$ 81
303	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30951514		\$ 342	\$ 353	\$ 355
304	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30951513		\$ 1,238	\$ 1,250	\$ 1,251
305	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30951512		\$ 9	\$ 13	\$ 13
306	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30951511		\$ 9	\$ 11	\$ 11
307	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30951510		\$ 59	\$ 1,048	\$ 1,051
308	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30946166		\$ 10	\$ 18	\$ 19
309	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30946165		\$ 99	\$ 106	\$ 107
310	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30946164		\$ 261	\$ 268	\$ 269
311	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30946163		\$ 234	\$ 241	\$ 241
312	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30902574		\$ 107	\$ 598	\$ 880
313	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30902573		\$ 26	\$ 132	\$ 1,273
314	14	5510786	PLASTIC MAIN REPLACEMENT- SJ	30902571		\$ 0	\$ 218	\$ 635
315	14	5510787	PLASTIC MAIN REPLACEMENT- FR	TOTAL		\$ 2,637	\$ 5,956	\$ 14,253
316	14	5510787	PLASTIC MAIN REPLACEMENT- FR	OTHER		\$ 107	-\$ 48	\$ 3,315
317	14	5510787	PLASTIC MAIN REPLACEMENT- FR	31017627		\$ 10	\$ 10	\$ 10
318	14	5510787	PLASTIC MAIN REPLACEMENT- FR	31017205		\$ 10	\$ 10	\$ 10
319	14	5510787	PLASTIC MAIN REPLACEMENT- FR	31018593		\$ 26	\$ 26	\$ 26
320	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30996902		\$ 25	\$ 25	\$ 25

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
321	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30967356		\$ 16	\$ 33	\$ 33
322	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30967355		\$ 9	\$ 15	\$ 15
323	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30967354		\$ 27	\$ 32	\$ 32
324	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30966121		\$ 6	\$ 12	\$ 12
325	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30965959		\$ 5	\$ 11	\$ 11
326	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30961376		\$ 302	\$ 957	\$ 959
327	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30961375		\$ 1,017	\$ 1,063	\$ 1,064
328	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30950088		\$ 19	\$ 22	\$ 23
329	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30950087		\$ 5	\$ 11	\$ 12
330	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30950086		\$ 869	\$ 1,367	\$ 1,368
331	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30950085		\$ 29	\$ 31	\$ 32
332	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30950083		\$ 16	\$ 20	\$ 20
333	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30950080		\$ 7	\$ 18	\$ 19
334	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30949999		\$ 13	\$ 19	\$ 20
335	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30949998		\$ 36	\$ 42	\$ 43
336	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30949995		\$ 0	\$ 353	\$ 354
337	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30928139		-\$ 7	\$ 3	\$ 579
338	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30923677		\$ 28	\$ 521	\$ 1,102
339	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30923676		\$ 21	\$ 1,219	\$ 1,577
340	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30918762		\$ 38	\$ 44	\$ 46
341	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30918736		\$ 0	\$ 111	\$ 1,360
342	14	5510787	PLASTIC MAIN REPLACEMENT- FR	30918735		\$ 0	\$ 29	\$ 2,185
343	14	5510788	PLASTIC MAIN REPLACEMENT- KE	TOTAL		\$ 76	\$ 84	\$ 84
344	14	5510789	PLASTIC MAIN REPLACEMENT- ST	TOTAL		\$ 4,030	\$ 4,214	\$ 4,215
345	14	5510789	PLASTIC MAIN REPLACEMENT- ST	OTHER		\$ 63	\$ 83	\$ 84
346	14	5510789	PLASTIC MAIN REPLACEMENT- ST	31038792		\$ 10	\$ 10	\$ 10
347	14	5510789	PLASTIC MAIN REPLACEMENT- ST	31038791		\$ 10	\$ 10	\$ 10
348	14	5510789	PLASTIC MAIN REPLACEMENT- ST	31038790		\$ 16	\$ 16	\$ 16
349	14	5510789	PLASTIC MAIN REPLACEMENT- ST	30983006		\$ 15	\$ 16	\$ 16
350	14	5510789	PLASTIC MAIN REPLACEMENT- ST	30952642		\$ 1,203	\$ 1,301	\$ 1,302
351	14	5510789	PLASTIC MAIN REPLACEMENT- ST	30944065		\$ 1,378	\$ 1,414	\$ 1,415
352	14	5510789	PLASTIC MAIN REPLACEMENT- ST	30944064		\$ 1,334	\$ 1,362	\$ 1,362
353	14	5510790	PLASTIC MAIN REPLACEMENT- YO	TOTAL		\$ 3,548	\$ 3,907	\$ 4,428
354	14	5510790	PLASTIC MAIN REPLACEMENT- YO	OTHER		\$ 58	\$ 177	\$ 694
355	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30980623		\$ 10	\$ 10	\$ 10
356	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30980622		\$ 12	\$ 12	\$ 12
357	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30980620		\$ 12	\$ 12	\$ 12
358	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30980578		\$ 13	\$ 13	\$ 13
359	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30980577		\$ 11	\$ 11	\$ 11
360	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30952282		\$ 2,544	\$ 2,756	\$ 2,756
361	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30952029		\$ 14	\$ 19	\$ 21
362	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30948869		\$ 12	\$ 15	\$ 15
363	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30948867		\$ 812	\$ 826	\$ 826
364	14	5510790	PLASTIC MAIN REPLACEMENT- YO	30948866		\$ 50	\$ 57	\$ 57
365	14	5510791	PLASTIC MAIN REPLACEMENT- NV	TOTAL		\$ 211	\$ 2,263	\$ 4,060
366	14	5510791	PLASTIC MAIN REPLACEMENT- NV	OTHER		\$ 11	\$ 15	\$ 759
367	14	5510791	PLASTIC MAIN REPLACEMENT- NV	30957727		\$ 117	\$ 968	\$ 968
368	14	5510791	PLASTIC MAIN REPLACEMENT- NV	30952103		\$ 1	\$ 202	\$ 202
369	14	5510791	PLASTIC MAIN REPLACEMENT- NV	30950624		\$ 80	\$ 93	\$ 98
370	14	5510791	PLASTIC MAIN REPLACEMENT- NV	30880691		\$ 2	\$ 710	\$ 714
371	14	5510791	PLASTIC MAIN REPLACEMENT- NV	30830105		\$ 0	\$ 275	\$ 1,318
372	14	5510792	PLASTIC MAIN REPLACEMENT- SA	TOTAL		\$ 3,516	\$ 6,938	\$ 13,448
373	14	5510792	PLASTIC MAIN REPLACEMENT- SA	OTHER		\$ 68	\$ 301	\$ 3,065
374	14	5510792	PLASTIC MAIN REPLACEMENT- SA	31012541		\$ 16	\$ 16	\$ 16
375	14	5510792	PLASTIC MAIN REPLACEMENT- SA	31012449		\$ 15	\$ 15	\$ 15
376	14	5510792	PLASTIC MAIN REPLACEMENT- SA	31012448		\$ 12	\$ 12	\$ 12
377	14	5510792	PLASTIC MAIN REPLACEMENT- SA	31012443		\$ 65	\$ 65	\$ 65
378	14	5510792	PLASTIC MAIN REPLACEMENT- SA	31012442		\$ 53	\$ 53	\$ 53
379	14	5510792	PLASTIC MAIN REPLACEMENT- SA	31012379		\$ 17	\$ 17	\$ 17
380	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30946019		\$ 768	\$ 868	\$ 868
381	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30946018		\$ 946	\$ 1,216	\$ 1,216
382	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30946017		\$ 21	\$ 598	\$ 598
383	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30945463		\$ 7	\$ 674	\$ 683
384	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30944838		\$ 366	\$ 1,258	\$ 1,259
385	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30944311		\$ 1,196	\$ 1,199	\$ 1,199
386	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30927111		\$ 10	\$ 235	\$ 1,411
387	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30923753		\$ 0	\$ 70	\$ 476
388	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30922952		\$ 1	\$ 156	\$ 1,679
389	14	5510792	PLASTIC MAIN REPLACEMENT- SA	30922858		-\$ 44	\$ 185	\$ 818
390	14	5510793	PLASTIC MAIN REPLACEMENT- SI	TOTAL		\$ 3,832	\$ 7,306	\$ 7,318
391	14	5510793	PLASTIC MAIN REPLACEMENT- SI	OTHER		\$ 51	\$ 174	\$ 177
392	14	5510793	PLASTIC MAIN REPLACEMENT- SI	30963038		\$ 1,539	\$ 1,610	\$ 1,610
393	14	5510793	PLASTIC MAIN REPLACEMENT- SI	30962782		\$ 460	\$ 470	\$ 471
394	14	5510793	PLASTIC MAIN REPLACEMENT- SI	30955226		\$ 1,421	\$ 4,653	\$ 4,659
395	14	5510793	PLASTIC MAIN REPLACEMENT- SI	30955225		\$ 337	\$ 373	\$ 375
396	14	5510793	PLASTIC MAIN REPLACEMENT- SI	30946948		\$ 24	\$ 26	\$ 27
397	14	5510794	PLASTIC MAIN REPLACEMENT- NB	TOTAL		\$ 899	\$ 3,072	\$ 5,855
398	14	5510794	PLASTIC MAIN REPLACEMENT- NB	OTHER		\$ 53	\$ 69	\$ 1,333
399	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30983855		\$ 79	\$ 198	\$ 198
400	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30952005		-\$ 44	\$ 1,291	\$ 1,520

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
401	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949976		\$ 14	\$ 17	\$ 17
402	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949972		\$ 15	\$ 15	\$ 16
403	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949970		\$ 20	\$ 20	\$ 21
404	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949968		\$ 16	\$ 17	\$ 17
405	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949967		\$ 622	\$ 623	\$ 624
406	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949965		\$ 16	\$ 18	\$ 18
407	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949961		\$ 21	\$ 22	\$ 22
408	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949960		\$ 11	\$ 17	\$ 17
409	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949659		\$ 19	\$ 21	\$ 23
410	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949657		\$ 35	\$ 42	\$ 43
411	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30949656		\$ 14	\$ 21	\$ 21
412	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30927787		\$ 14	\$ 16	\$ 17
413	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30909341		-\$ 8	\$ 558	\$ 1,363
414	14	5510794	PLASTIC MAIN REPLACEMENT- NB	30908582		\$ 0	\$ 108	\$ 587
415	14	5510795	PLASTIC MAIN REPLACEMENT- SO	TOTAL		\$ 1,906	\$ 2,561	\$ 5,392
416	14	5510795	PLASTIC MAIN REPLACEMENT- SO	OTHER		\$ 18	\$ 69	\$ 197
417	14	5510795	PLASTIC MAIN REPLACEMENT- SO	30979822		\$ 10	\$ 11	\$ 11
418	14	5510795	PLASTIC MAIN REPLACEMENT- SO	30940965		\$ 65	\$ 69	\$ 69
419	14	5510795	PLASTIC MAIN REPLACEMENT- SO	30940447		\$ 22	\$ 29	\$ 29
420	14	5510795	PLASTIC MAIN REPLACEMENT- SO	30940444		\$ 442	\$ 445	\$ 445
421	14	5510795	PLASTIC MAIN REPLACEMENT- SO	30940232		\$ 26	\$ 28	\$ 28
422	14	5510795	PLASTIC MAIN REPLACEMENT- SO	30926778		\$ 315	\$ 479	\$ 945
423	14	5510795	PLASTIC MAIN REPLACEMENT- SO	30922902		\$ 168	\$ 206	\$ 709
424	14	5510795	PLASTIC MAIN REPLACEMENT- SO	30904365		\$ 838	\$ 1,227	\$ 2,960
425	14	5510796	PLASTIC MAIN REPLACEMENT- HB	TOTAL		\$ 4	\$ 9	\$ 9
426	14	5510859	SCV - MWC 14 planning	TOTAL		-\$ 4,888	-\$ 3,939	-\$ 4,013
427	14	5512690	PIPELINE REPLACEMENT - DI	TOTAL		\$ 6	\$ 6	\$ 6
428	14	5512691	Pipeline Replacement-DA	TOTAL		\$ 28	\$ 29	\$ 29
429	14	5512691	Pipeline Replacement-DA	OTHER		\$ 5	\$ 6	\$ 6
430	14	5512691	Pipeline Replacement-DA	30968221		\$ 23	\$ 23	\$ 23
431	14	5512999	MWC 14 Sand & Gravel and Spoilage	TOTAL		\$ 67	\$ 120	\$ 641
432	27		TOTAL FOR MWC 27			\$ 4,479	\$ 4,499	\$ 4,349
433	27	5500885	Meter Protect Capital-East Bay	TOTAL		\$ 171	\$ 171	\$ 272
434	27	5501118	Meter Protect Capital-Central Coast	TOTAL		\$ 57	\$ 75	\$ 80
435	27	5501120	Meter Protect Capital-North Bay	TOTAL		\$ 6	\$ 7	\$ 37
436	27	5510799	Meter Protection Capital - DA	TOTAL		\$ 62	\$ 65	\$ 65
437	27	5510800	Meter Protection Capital - DI	TOTAL		\$ 61	\$ 61	\$ 74
438	27	5510801	Meter Protection Capital - FR	TOTAL		\$ 3	\$ 3	\$ 3
439	27	5510805	Meter Protection Capital - PN	TOTAL		\$ 95	\$ 95	\$ 95
440	27	5510807	Meter Protection Capital - SF	TOTAL		\$ 3,657	\$ 3,657	\$ 3,657
441	27	5510808	Meter Protection Capital - SJ	TOTAL		\$ 66	\$ 66	\$ 66
442	2J		TOTAL FOR MWC 2J			\$ 1,305	\$ 1,716	\$ 2,973
443	2J	5742639	ECON STIM- SBI GAS DISTRIBUTION RESTORAT	TOTAL		\$ 1,305	\$ 1,716	\$ 2,973
444	2J	5742639	ECON STIM- SBI GAS DISTRIBUTION RESTORAT	OTHER		\$ 0	\$ 0	\$ 954
445	2J	5742639	ECON STIM- SBI GAS DISTRIBUTION RESTORAT	30970947		\$ 771	\$ 778	\$ 778
446	2J	5742639	ECON STIM- SBI GAS DISTRIBUTION RESTORAT	30903300		\$ 534	\$ 938	\$ 1,242
447	2K		TOTAL FOR MWC 2K			\$ 13,695	\$ 40,064	\$ 121,026
448	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	TOTAL		\$ 304	\$ 734	\$ 5,745
449	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	OTHER		\$ 150	\$ 315	\$ 4,851
450	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30963149		\$ 28	\$ 30	\$ 30
451	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30962392		\$ 23	\$ 23	\$ 23
452	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30962388		\$ 18	\$ 22	\$ 22
453	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30962382		\$ 11	\$ 21	\$ 21
454	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30961770		\$ 7	\$ 17	\$ 17
455	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30961769		\$ 9	\$ 21	\$ 21
456	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30961768		\$ 20	\$ 26	\$ 26
457	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30957801		\$ 11	\$ 21	\$ 21
458	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30891400		\$ 11	\$ 13	\$ 14
459	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30891358		\$ 21	\$ 24	\$ 25
460	2K	5510222	ECON STIM HPR CONVERT MAIN-CC	30848795		-\$ 6	\$ 200	\$ 673
461	2K	5510223	ECON STIM HPR CONVERT MAIN-DA	TOTAL		\$ 202	\$ 255	\$ 741
462	2K	5510223	ECON STIM HPR CONVERT MAIN-DA	OTHER		\$ 198	\$ 240	\$ 721
463	2K	5510223	ECON STIM HPR CONVERT MAIN-DA	30897516		\$ 5	\$ 15	\$ 20
464	2K	5510224	ECON STIM HPR CONVERT MAIN-DI	TOTAL		\$ 511	\$ 1,804	\$ 4,075
465	2K	5510224	ECON STIM HPR CONVERT MAIN-DI	OTHER		\$ 157	\$ 163	\$ 163
466	2K	5510224	ECON STIM HPR CONVERT MAIN-DI	30962400		\$ 301	\$ 308	\$ 308
467	2K	5510224	ECON STIM HPR CONVERT MAIN-DI	30949549		\$ 15	\$ 22	\$ 22
468	2K	5510224	ECON STIM HPR CONVERT MAIN-DI	30892858		\$ 38	\$ 1,311	\$ 3,582
469	2K	5510225	ECON STIM HPR CONVERT MAIN-EB	TOTAL		\$ 88	\$ 142	\$ 161
470	2K	5510225	ECON STIM HPR CONVERT MAIN-EB	OTHER		\$ 34	\$ 59	\$ 78
471	2K	5510225	ECON STIM HPR CONVERT MAIN-EB	30971810		\$ 13	\$ 18	\$ 18
472	2K	5510225	ECON STIM HPR CONVERT MAIN-EB	30963180		\$ 10	\$ 11	\$ 11
473	2K	5510225	ECON STIM HPR CONVERT MAIN-EB	30963116		\$ 12	\$ 12	\$ 12
474	2K	5510225	ECON STIM HPR CONVERT MAIN-EB	30954002		\$ 12	\$ 20	\$ 20
475	2K	5510225	ECON STIM HPR CONVERT MAIN-EB	30932792		\$ 7	\$ 22	\$ 23
476	2K	5510226	ECON STIM HPR CONVERT MAIN-FR	TOTAL		\$ 635	\$ 1,500	\$ 5,201
477	2K	5510226	ECON STIM HPR CONVERT MAIN-FR	OTHER		\$ 135	\$ 152	\$ 3,793
478	2K	5510226	ECON STIM HPR CONVERT MAIN-FR	30977206		\$ 81	\$ 83	\$ 83
479	2K	5510226	ECON STIM HPR CONVERT MAIN-FR	30976361		\$ 25	\$ 39	\$ 39
480	2K	5510226	ECON STIM HPR CONVERT MAIN-FR	30976021		\$ 37	\$ 43	\$ 43

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
481	2K	5510226	ECON STIM HPR CONVERT MAIN-FR	30863936		\$ 358	\$ 1,182	\$ 1,242
482	2K	5510228	ECON STIM HPR CONVERT MAIN-KE	TOTAL		\$ 0	\$ 13	\$ 33
483	2K	5510229	ECON STIM HPR CONVERT MAIN-MI	TOTAL		\$ 119	\$ 162	\$ 256
484	2K	5510229	ECON STIM HPR CONVERT MAIN-MI	OTHER		\$ 85	\$ 110	\$ 204
485	2K	5510229	ECON STIM HPR CONVERT MAIN-MI	30966270		\$ 10	\$ 12	\$ 12
486	2K	5510229	ECON STIM HPR CONVERT MAIN-MI	30965904		\$ 9	\$ 15	\$ 15
487	2K	5510229	ECON STIM HPR CONVERT MAIN-MI	30962422		\$ 16	\$ 25	\$ 25
488	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	TOTAL		\$ 2,262	\$ 4,873	\$ 7,928
489	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	OTHER		\$ 251	\$ 302	\$ 841
490	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	30963156		\$ 514	\$ 567	\$ 568
491	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	30963152		\$ 17	\$ 29	\$ 29
492	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	30959390		\$ 40	\$ 1,186	\$ 1,189
493	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	30898005		-\$ 9	\$ 124	\$ 787
494	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	30897934		\$ 596	\$ 860	\$ 869
495	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	30885000		\$ 856	\$ 1,118	\$ 1,206
496	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	30861388		\$ 0	\$ 678	\$ 1,048
497	2K	5510230	ECON STIM HPR CONVERT MAIN-NB	30855411		-\$ 4	\$ 8	\$ 1,391
498	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	TOTAL		\$ 5,265	\$ 6,918	\$ 9,290
499	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	OTHER		\$ 17	-\$ 12	\$ 2,271
500	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30962859		\$ 8	\$ 13	\$ 14
501	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30911418		\$ 10	\$ 320	\$ 326
502	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30911415		\$ 3,118	\$ 3,666	\$ 3,713
503	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30909959		\$ 1,798	\$ 2,338	\$ 2,365
504	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30904009		\$ 17	\$ 20	\$ 21
505	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30902496		\$ 21	\$ 22	\$ 22
506	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30890141		\$ 199	\$ 258	\$ 263
507	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30890136		\$ 63	\$ 279	\$ 279
508	2K	5510231	ECON STIM HPR CONVERT MAIN-NV	30890126		\$ 14	\$ 14	\$ 15
509	2K	5510232	ECON STIM HPR CONVERT MAIN-PN	TOTAL		\$ 31	\$ 1,222	\$ 3,251
510	2K	5510232	ECON STIM HPR CONVERT MAIN-PN	OTHER		-\$ 18	\$ 132	\$ 967
511	2K	5510232	ECON STIM HPR CONVERT MAIN-PN	30962760		\$ 13	\$ 18	\$ 18
512	2K	5510232	ECON STIM HPR CONVERT MAIN-PN	30962678		\$ 10	\$ 18	\$ 18
513	2K	5510232	ECON STIM HPR CONVERT MAIN-PN	30938237		\$ 2	\$ 209	\$ 624
514	2K	5510232	ECON STIM HPR CONVERT MAIN-PN	30891159		\$ 0	\$ 688	\$ 812
515	2K	5510232	ECON STIM HPR CONVERT MAIN-PN	30886841		\$ 3	\$ 124	\$ 763
516	2K	5510232	ECON STIM HPR CONVERT MAIN-PN	30852335		\$ 21	\$ 33	\$ 49
517	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	TOTAL		\$ 266	\$ 1,949	\$ 2,786
518	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	OTHER		\$ 72	\$ 298	\$ 646
519	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	30961784		\$ 13	\$ 17	\$ 17
520	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	30961494		\$ 6	\$ 15	\$ 15
521	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	30923351		\$ 103	\$ 615	\$ 627
522	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	30907826		\$ 0	\$ 302	\$ 309
523	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	30907825		\$ 60	\$ 327	\$ 331
524	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	30907824		\$ 1	\$ 281	\$ 289
525	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	30881614		\$ 12	\$ 13	\$ 13
526	2K	5510233	ECON STIM HPR CONVERT MAIN-SA	30844594		\$ 0	\$ 81	\$ 540
527	2K	5510234	ECON STIM HPR CONVERT MAIN-SF	TOTAL		\$ 99	\$ 115	\$ 552
528	2K	5510235	ECON STIM HPR CONVERT MAIN-SJ	TOTAL		\$ 101	\$ 1,402	\$ 5,541
529	2K	5510235	ECON STIM HPR CONVERT MAIN-SJ	OTHER		\$ 38	\$ 589	\$ 890
530	2K	5510235	ECON STIM HPR CONVERT MAIN-SJ	30954978		\$ 14	\$ 17	\$ 17
531	2K	5510235	ECON STIM HPR CONVERT MAIN-SJ	30954903		\$ 2	\$ 13	\$ 13
532	2K	5510235	ECON STIM HPR CONVERT MAIN-SJ	30954804		\$ 16	\$ 17	\$ 17
533	2K	5510235	ECON STIM HPR CONVERT MAIN-SJ	30929094		-\$ 8	\$ 147	\$ 1,473
534	2K	5510235	ECON STIM HPR CONVERT MAIN-SJ	30841258		\$ 25	\$ 526	\$ 1,366
535	2K	5510235	ECON STIM HPR CONVERT MAIN-SJ	30841257		\$ 13	\$ 93	\$ 1,765
536	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	TOTAL		\$ 3,477	\$ 4,457	\$ 5,595
537	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	OTHER		\$ 174	\$ 179	\$ 179
538	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30986321		\$ 11	\$ 15	\$ 15
539	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30985295		\$ 19	\$ 21	\$ 21
540	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30985291		\$ 41	\$ 50	\$ 50
541	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30985286		\$ 32	\$ 37	\$ 37
542	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30961468		\$ 1,262	\$ 1,283	\$ 1,283
543	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30943888		\$ 63	\$ 73	\$ 74
544	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30905521		\$ 501	\$ 871	\$ 880
545	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30904325		\$ 1,372	\$ 1,743	\$ 1,776
546	2K	5510236	ECON STIM HPR CONVERT MAIN-SI	30892216		\$ 0	\$ 183	\$ 1,279
547	2K	5510237	ECON STIM HPR CONVERT MAIN-SO	TOTAL		\$ 491	\$ 907	\$ 1,852
548	2K	5510237	ECON STIM HPR CONVERT MAIN-SO	OTHER		\$ 95	\$ 406	\$ 1,324
549	2K	5510237	ECON STIM HPR CONVERT MAIN-SO	30956862		\$ 17	\$ 22	\$ 22
550	2K	5510237	ECON STIM HPR CONVERT MAIN-SO	30948273		\$ 16	\$ 22	\$ 22
551	2K	5510237	ECON STIM HPR CONVERT MAIN-SO	30905717		\$ 12	\$ 28	\$ 31
552	2K	5510237	ECON STIM HPR CONVERT MAIN-SO	30897912		\$ 25	\$ 39	\$ 46
553	2K	5510237	ECON STIM HPR CONVERT MAIN-SO	30865947		\$ 326	\$ 390	\$ 407
554	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	TOTAL		\$ 571	\$ 2,262	\$ 21,377
555	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	OTHER		\$ 408	\$ 1,060	\$ 16,451
556	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	30873884		\$ 67	\$ 405	\$ 436
557	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	30873881		\$ 1	\$ 305	\$ 331
558	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	30873859		\$ 8	\$ 19	\$ 30
559	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	30873848		\$ 20	\$ 210	\$ 222
560	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	30847267		\$ 23	\$ 31	\$ 162

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
561	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	30847264		\$ 14	\$ 33	\$ 69
562	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	30847262		\$ 17	\$ 188	\$ 916
563	2K	5510238	ECON STIM HPR CONVERT MAIN-ST	30840277		\$ 12	\$ 11	\$ 2,760
564	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	TOTAL		\$255	\$ 5,254	\$ 31,328
565	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	OTHER		\$ 28	\$ 1,439	\$ 23,765
566	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854540		\$ 0	\$ 333	\$ 339
567	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854518		\$ 9	\$ 42	\$ 80
568	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854511		\$ 4	\$ 13	\$ 21
569	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854507		\$ 7	\$ 27	\$ 35
570	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854396		\$ 9	\$ 16	\$ 23
571	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854395		\$ 12	\$ 21	\$ 52
572	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854390		\$ 0	\$ 35	\$ 460
573	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854386		\$ 0	\$ 762	\$ 780
574	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854385		\$ 8	\$ 13	\$ 18
575	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854384		\$ 16	\$ 22	\$ 27
576	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854380		\$ 6	\$ 569	\$ 599
577	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854378		\$ 5	\$ 249	\$ 258
578	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854377		\$ 0	\$ 409	\$ 416
579	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854370		\$ 21	\$ 507	\$ 536
580	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854367		\$ 4	\$ 251	\$ 256
581	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854366		\$ 62	\$ 261	\$ 268
582	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30854257		\$ 0	\$ 22	\$ 934
583	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30852367		\$ 1	\$ 116	\$ 683
584	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30852365		\$ 8	\$ 17	\$ 45
585	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30852339		\$ 38	\$ 41	\$ 278
586	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30852093		\$ 14	\$ 21	\$ 395
587	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30851943		\$ 0	\$ 45	\$ 622
588	2K	5510259	ECON STIM HPR CONVERT MAIN-YO	30851911		\$ 2	\$ 25	\$ 439
589	2K	5510260	ECON STIM HPR CONVERT DISTR REG-CC	TOTAL		-\$ 4	\$ 294	\$ 304
590	2K	5510261	ECON STIM HPR CONVERT DISTR REG-DA	TOTAL		\$ 1	\$ 31	\$ 303
591	2K	5510262	ECON STIM HPR CONVERT DISTR REG-DI	TOTAL		\$ 6	\$ 669	\$ 727
592	2K	5510262	ECON STIM HPR CONVERT DISTR REG-DI	OTHER		\$ 1	\$ 1	\$ 1
593	2K	5510262	ECON STIM HPR CONVERT DISTR REG-DI	30899876		\$ 5	\$ 668	\$ 727
594	2K	5510264	Econ Stim HPR Convert Distr Reg-FR	TOTAL		\$ 0	\$ 0	\$ 0
595	2K	5510269	ECON STIM HPR CONVERT DISTR REG-NV	TOTAL		\$ 66	\$ 455	\$ 783
596	2K	5510269	ECON STIM HPR CONVERT DISTR REG-NV	OTHER		\$ 49	\$ 439	\$ 767
597	2K	5510269	ECON STIM HPR CONVERT DISTR REG-NV	31017685		\$ 16	\$ 16	\$ 16
598	2K	5510270	ECON STIM HPR CONVERT DISTR REG-PN	TOTAL		\$ 19	\$ 27	\$ 1,286
599	2K	5510270	ECON STIM HPR CONVERT DISTR REG-PN	OTHER		\$ 0	-\$ 1	\$ 1,256
600	2K	5510270	ECON STIM HPR CONVERT DISTR REG-PN	30943606		\$ 19	\$ 28	\$ 30
601	2K	5510271	ECON STIM HPR CONVERT DISTR REG-SA	TOTAL		\$ 24	\$ 36	\$ 230
602	2K	5510275	ECON STIM HPR CONVERT DISTR REG- SO	TOTAL		\$ 15	\$ 18	\$ 100
603	2K	5510275	ECON STIM HPR CONVERT DISTR REG- SO	OTHER		\$ 1	\$ 3	\$ 85
604	2K	5510275	ECON STIM HPR CONVERT DISTR REG- SO	30955996		\$ 14	\$ 15	\$ 15
605	2K	5510277	ECON STIM HPR CONVERT DISTR REG-YO	TOTAL		\$ 64	\$ 439	\$ 3,204
606	2K	5510279	ECON STIM HPR REPLACEMENT-CC	TOTAL		\$202	\$ 227	\$ 275
607	2K	5510279	ECON STIM HPR REPLACEMENT-CC	OTHER		\$ 187	\$ 213	\$ 261
608	2K	5510279	ECON STIM HPR REPLACEMENT-CC	30981110		\$ 14	\$ 14	\$ 14
609	2K	5510280	ECON STIM HPR REPLACEMENT-DA	TOTAL		\$ 1	\$ 5	\$ 317
610	2K	5510281	ECON STIM HPR REPLACEMENT-DI	TOTAL		\$303	\$ 321	\$ 321
611	2K	5510282	ECON STIM HPR REPLACEMENT-EB	TOTAL		\$ 0	\$ 0	\$ 0
612	2K	5510283	ECON STIM HPR REPLACEMENT-FR	TOTAL		\$ 129	\$ 134	\$ 134
613	2K	5510284	ECON STIM HPR REPLACEMENT-HB	TOTAL		\$ 33	\$ 40	\$ 222
614	2K	5510284	ECON STIM HPR REPLACEMENT-HB	OTHER		\$ 26	\$ 29	\$ 211
615	2K	5510284	ECON STIM HPR REPLACEMENT-HB	30995368		\$ 7	\$ 11	\$ 11
616	2K	5510285	ECON STIM HPR REPLACEMENT-KE	TOTAL		\$ 59	\$ 471	\$ 837
617	2K	5510286	ECON STIM HPR REPLACEMENT-MI	TOTAL		\$ 336	\$ 354	\$ 354
618	2K	5510287	ECON STIM HPR REPLACEMENT-NB	TOTAL		\$ 14	\$ 460	\$ 1,932
619	2K	5510287	ECON STIM HPR REPLACEMENT-NB	OTHER		\$ 1	\$ 15	\$ 1,486
620	2K	5510287	ECON STIM HPR REPLACEMENT-NB	30957096		\$ 14	\$ 446	\$ 446
621	2K	5510288	ECON STIM HPR REPLACEMENT-NV	TOTAL		\$323	\$ 652	\$ 1,910
622	2K	5510288	ECON STIM HPR REPLACEMENT-NV	OTHER		\$ 313	\$ 642	\$ 1,899
623	2K	5510288	ECON STIM HPR REPLACEMENT-NV	31000168		\$ 9	\$ 10	\$ 10
624	2K	5510289	ECON STIM HPR REPLACEMENT-PN	TOTAL		\$ 30	\$ 62	\$ 63
625	2K	5510289	ECON STIM HPR REPLACEMENT-PN	OTHER		\$ 13	\$ 43	\$ 43
626	2K	5510289	ECON STIM HPR REPLACEMENT-PN	30986342		\$ 16	\$ 20	\$ 20
627	2K	5510290	ECON STIM HPR REPLACEMENT-SA	TOTAL		\$ 1,122	\$ 1,787	\$ 2,134
628	2K	5510290	ECON STIM HPR REPLACEMENT-SA	OTHER		\$ 179	\$ 438	\$ 774
629	2K	5510290	ECON STIM HPR REPLACEMENT-SA	30981831		\$ 301	\$ 316	\$ 316
630	2K	5510290	ECON STIM HPR REPLACEMENT-SA	30961785		\$ 11	\$ 13	\$ 13
631	2K	5510290	ECON STIM HPR REPLACEMENT-SA	30961782		\$ 20	\$ 27	\$ 28
632	2K	5510290	ECON STIM HPR REPLACEMENT-SA	30961673		\$ 24	\$ 38	\$ 39
633	2K	5510290	ECON STIM HPR REPLACEMENT-SA	30961672		\$ 555	\$ 564	\$ 565
634	2K	5510290	ECON STIM HPR REPLACEMENT-SA	30961671		\$ 30	\$ 89	\$ 89
635	2K	5510290	ECON STIM HPR REPLACEMENT-SA	30907823		\$ 2	\$ 302	\$ 311
636	2K	5510292	ECON STIM HPR REPLACEMENT-SJ	TOTAL		\$ 0	\$ 6	\$ 1,915
637	2K	5510293	ECON STIM HPR REPLACEMENT-SI	TOTAL		\$ 1	\$ 1	\$ 2
638	2K	5510294	ECON STIM HPR REPLACEMENT- SO	TOTAL		\$ 374	\$ 1,208	\$ 1,392
639	2K	5510294	ECON STIM HPR REPLACEMENT- SO	OTHER		\$ 331	\$ 745	\$ 927
640	2K	5510294	ECON STIM HPR REPLACEMENT- SO	30958808		\$ 17	\$ 23	\$ 23

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
641	2K	5510294	ECON STIM HPR REPLACEMENT- SO	30897980		\$ 26	\$ 439	\$ 442
642	2K	5510295	ECON STIM HPR REPLACEMENT-ST	TOTAL		\$ 353	\$ 610	\$ 1,099
643	2K	5510296	ECON STIM HPR REPLACEMENT-YO	TOTAL		\$ 129	\$ 553	\$ 1,055
644	2K	5512120	Est - Int Est/DesignDist Gas - OH Var 2K	TOTAL		-\$ 2,610	-\$ 1,108	-\$ 3,901
645	2K	5512121	Mapping - Other Gas Mapping - SCV MWC 2K	TOTAL		\$ 0	\$ 1	-\$ 28
646	2K	5750783	SCV - MWC 2K G Dist Repl/Convert CustHPR	TOTAL		-\$ 1,976	-\$ 1,659	-\$ 1,659
647	47		TOTAL FOR MWC 47			\$ 14,008	\$ 20,041	\$ 114,514
648	47	5500746	INCR. CAPACITY G-CC	TOTAL		\$ 120	\$ 120	\$ 346
649	47	5500746	INCR. CAPACITY G-CC	OTHER		\$ 26	\$ 26	\$ 252
650	47	5500746	INCR. CAPACITY G-CC	31028153		\$ 94	\$ 94	\$ 94
651	47	5500747	INCR. CAPACITY G-DA	TOTAL		\$ 1,736	\$ 1,756	\$ 2,652
652	47	5500747	INCR. CAPACITY G-DA	OTHER		-\$ 4	\$ 12	\$ 903
653	47	5500747	INCR. CAPACITY G-DA	30990571		\$ 1,428	\$ 1,429	\$ 1,429
654	47	5500747	INCR. CAPACITY G-DA	30888745		\$ 312	\$ 315	\$ 320
655	47	5500748	INCR. CAPACITY G-DI	TOTAL		\$ 367	\$ 479	\$ 6,870
656	47	5500748	INCR. CAPACITY G-DI	OTHER		\$ 8	\$ 31	\$ 5,892
657	47	5500748	INCR. CAPACITY G-DI	30960144		\$ 11	\$ 59	\$ 59
658	47	5500748	INCR. CAPACITY G-DI	30959901		\$ 348	\$ 355	\$ 355
659	47	5500748	INCR. CAPACITY G-DI	30891626		\$ 0	\$ 22	\$ 327
660	47	5500748	INCR. CAPACITY G-DI	30882885		\$ 0	\$ 12	\$ 236
661	47	5500749	INCR. CAPACITY G-EB	TOTAL		\$ 893	\$ 940	\$ 2,747
662	47	5500749	INCR. CAPACITY G-EB	OTHER		\$ 24	\$ 58	\$ 1,864
663	47	5500749	INCR. CAPACITY G-EB	30960551		\$ 172	\$ 179	\$ 179
664	47	5500749	INCR. CAPACITY G-EB	30960550		\$ 698	\$ 704	\$ 704
665	47	5500750	INCR. CAPACITY G-FR	TOTAL		\$ 8	\$ 8	\$ 3,804
666	47	5500751	INCR. CAPACITY G-KE	TOTAL		\$ 1,533	\$ 1,646	\$ 2,427
667	47	5500751	INCR. CAPACITY G-KE	OTHER		\$ 263	\$ 309	\$ 681
668	47	5500751	INCR. CAPACITY G-KE	31018790		\$ 660	\$ 660	\$ 660
669	47	5500751	INCR. CAPACITY G-KE	30996892		\$ 27	\$ 27	\$ 27
670	47	5500751	INCR. CAPACITY G-KE	30996890		\$ 14	\$ 14	\$ 14
671	47	5500751	INCR. CAPACITY G-KE	30958908		\$ 568	\$ 578	\$ 578
672	47	5500751	INCR. CAPACITY G-KE	30927256		\$ 0	\$ 58	\$ 467
673	47	5500752	INCR. CAPACITY G-MI	TOTAL		\$ 85	\$ 361	\$ 5,602
674	47	5500752	INCR. CAPACITY G-MI	OTHER		\$ 7	\$ 24	\$ 4,876
675	47	5500752	INCR. CAPACITY G-MI	30962881		\$ 78	\$ 89	\$ 89
676	47	5500752	INCR. CAPACITY G-MI	30878200		\$ 0	\$ 248	\$ 637
677	47	5500753	INCR. CAPACITY G-NB	TOTAL		\$ 1,951	\$ 1,965	\$ 5,488
678	47	5500753	INCR. CAPACITY G-NB	OTHER		\$ 3	\$ 3	\$ 3,508
679	47	5500753	INCR. CAPACITY G-NB	30920871		\$ 1,561	\$ 1,562	\$ 1,567
680	47	5500753	INCR. CAPACITY G-NB	30909730		\$ 387	\$ 399	\$ 413
681	47	5500754	47B - CONS/ACQ NEW FAC-G-MAINS - SO	TOTAL		\$ 3,054	\$ 3,162	\$ 8,261
682	47	5500754	47B - CONS/ACQ NEW FAC-G-MAINS - SO	OTHER		\$ 0	-\$ 1	\$ 5,099
683	47	5500754	47B - CONS/ACQ NEW FAC-G-MAINS - SO	30967840		\$ 163	\$ 164	\$ 164
684	47	5500754	47B - CONS/ACQ NEW FAC-G-MAINS - SO	30967746		\$ 767	\$ 855	\$ 855
685	47	5500754	47B - CONS/ACQ NEW FAC-G-MAINS - SO	30960072		\$ 1,476	\$ 1,487	\$ 1,487
686	47	5500754	47B - CONS/ACQ NEW FAC-G-MAINS - SO	30960071		\$ 647	\$ 657	\$ 657
687	47	5500755	INCR. CAPACITY G-NV	TOTAL		\$ 1,648	\$ 1,872	\$ 7,845
688	47	5500755	INCR. CAPACITY G-NV	OTHER		\$ 20	\$ 147	\$ 5,419
689	47	5500755	INCR. CAPACITY G-NV	30959832		\$ 1,158	\$ 1,169	\$ 1,169
690	47	5500755	INCR. CAPACITY G-NV	30956595		\$ 3	\$ 18	\$ 18
691	47	5500755	INCR. CAPACITY G-NV	30902492		\$ 467	\$ 491	\$ 496
692	47	5500755	INCR. CAPACITY G-NV	30890582		\$ 0	\$ 47	\$ 744
693	47	5500756	INCR. CAPACITY G-PN	TOTAL		\$ 330	\$ 1,071	\$ 5,520
694	47	5500756	INCR. CAPACITY G-PN	OTHER		\$ 303	\$ 311	\$ 4,638
695	47	5500756	INCR. CAPACITY G-PN	31001821		\$ 19	\$ 19	\$ 19
696	47	5500756	INCR. CAPACITY G-PN	30902444		\$ 0	\$ 263	\$ 298
697	47	5500756	INCR. CAPACITY G-PN	30879736		\$ 8	\$ 478	\$ 566
698	47	5500757	INCR. CAPACITY G-SA	TOTAL		\$ 429	\$ 1,580	\$ 15,422
699	47	5500757	INCR. CAPACITY G-SA	OTHER		\$ 416	\$ 450	\$ 13,989
700	47	5500757	INCR. CAPACITY G-SA	30908745		\$ 14	\$ 1,130	\$ 1,433
701	47	5500758	INCR. CAPACITY G-SF	TOTAL		\$ 1	\$ 212	\$ 699
702	47	5500759	INCR. CAPACITY G-SJ	TOTAL		\$ 90	\$ 94	\$ 3,966
703	47	5500760	INCR. CAPACITY G-SI	TOTAL		\$ 1,568	\$ 1,606	\$ 11,702
704	47	5500760	INCR. CAPACITY G-SI	OTHER		\$ 45	\$ 47	\$ 10,143
705	47	5500760	INCR. CAPACITY G-SI	31019579		\$ 24	\$ 24	\$ 24
706	47	5500760	INCR. CAPACITY G-SI	31019253		\$ 20	\$ 20	\$ 20
707	47	5500760	INCR. CAPACITY G-SI	30972534		\$ 915	\$ 930	\$ 930
708	47	5500760	INCR. CAPACITY G-SI	30963032		\$ 564	\$ 585	\$ 585
709	47	5500761	INCR. CAPACITY G-ST	TOTAL		\$ 84	\$ 734	\$ 9,932
710	47	5500761	INCR. CAPACITY G-ST	OTHER		\$ 19	\$ 25	\$ 8,579
711	47	5500761	INCR. CAPACITY G-ST	30876489		\$ 64	\$ 709	\$ 1,353
712	47	5500762	INCR. CAPACITY G-YO	TOTAL		\$ 71	\$ 464	\$ 9,309
713	47	5500762	INCR. CAPACITY G-YO	OTHER		\$ 47	\$ 52	\$ 8,789
714	47	5500762	INCR. CAPACITY G-YO	31024144		\$ 22	\$ 22	\$ 22
715	47	5500762	INCR. CAPACITY G-YO	30956475		\$ 2	\$ 390	\$ 498
716	47	5508860	47C - CON/ACQ NEW FAC-G-CAP-REGSTA - PN2	TOTAL		\$ 0	\$ 14	\$ 1,504
717	47	5508860	47C - CON/ACQ NEW FAC-G-CAP-REGSTA - PN2	OTHER		\$ 0	-\$ 1	\$ 603
718	47	5508860	47C - CON/ACQ NEW FAC-G-CAP-REGSTA - PN2	30676477		\$ 0	\$ 15	\$ 900
719	47	5508862	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - DI	TOTAL		\$ 65	\$ 259	\$ 1,987
720	47	5508862	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - DI	OTHER		-\$ 4	-\$ 20	\$ 1,079

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
721	47	5508862	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - DI	30949543		\$ 69	\$ 121	\$ 121
722	47	5508862	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - DI	30813671		\$ 0	\$ 158	\$ 787
723	47	5508863	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - MI	TOTAL		\$ 0	\$ 34	\$ 2,248
724	47	5508863	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - MI	OTHER		\$ 0	\$ 0	\$ 1,859
725	47	5508863	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - MI	30889856		\$ 0	\$ 34	\$ 389
726	47	5508864	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - DA	TOTAL		\$ 1	\$ 1	\$ 0
727	47	5508869	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - KE	TOTAL		\$ 12	\$ 433	\$ 643
728	47	5508870	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - ST	TOTAL		\$ 20	\$ 26	\$ 0
729	47	5508870	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - ST	OTHER		\$ 0	\$ 0	-\$ 26
730	47	5508870	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - ST	30944550		\$ 20	\$ 26	\$ 26
731	47	5508871	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - YO	TOTAL		\$ 6	\$ 465	\$ 1,716
732	47	5508871	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - YO	OTHER		\$ 0	\$ 0	\$ 1,243
733	47	5508871	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - YO	30928111		\$ 6	\$ 465	\$ 472
734	47	5508873	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - SA	TOTAL		\$ 358	\$ 576	\$ 1,019
735	47	5508873	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - SA	OTHER		\$ 5	\$ 5	\$ 423
736	47	5508873	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - SA	30814138		\$ 353	\$ 572	\$ 596
737	47	5508874	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - SI	TOTAL		\$ 0	\$ 12	\$ 659
738	47	5508874	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - SI	OTHER		\$ 0	\$ 0	\$ 0
739	47	5508874	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - SI	30810188		\$ 0	\$ 12	\$ 659
740	47	5508876	47C - CONS/ACQ NEW FAC-G-CAP-REGSTA - NB	TOTAL		\$ 1	\$ 2	\$ 617
741	47	5508881	47D - CON/ACQ NEW FAC-G-CAP-REPLREG - MI	TOTAL		-\$ 7	-\$ 15	\$ 388
742	47	5508882	47D - CON/ACQ NEW FAC-G-CAP-REPLREG - DA	TOTAL		\$ 2	\$ 2	\$ 0
743	47	5508888	47D - CON/ACQ NEW FAC-G-CAP-REPLREG - ST	TOTAL		\$ 79	\$ 418	\$ 985
744	47	5508972	47B - CONS/ACQ NEW FAC-G-CAP-MAINS - HB	TOTAL		-\$ 4	-\$ 1	\$ 1,239
745	47	5509250	Est - Int Est/DesignDist - SCV MWC 47	TOTAL		-\$ 425	-\$ 180	-\$ 1,010
746	47	5750786	SCV - MWC 47 G Dist Capacity	TOTAL		-\$ 67	-\$ 74	-\$ 74
747	4A		TOTAL FOR MWC 4A			\$ 18,358	\$ 28,908	\$ 31,326
748	4A	5511625	GDCC - GSO APPS - KEY OPERATING INFO	TOTAL		-\$ 44	\$ 72	\$ 118
749	4A	5511626	GDCC - GSO APPS - TEST SCADA E2E SOLUTI	TOTAL		-\$ 32	\$ 290	\$ 629
750	4A	5511627	GDCC - GSO APPS-SCADA DATA POINT.DISPLA	TOTAL		\$ 176	\$ 1,426	\$ 1,505
751	4A	5511628	GDCC - GSO APPS -HYDRAULIC MODELS, ANALY	TOTAL		\$ 32	\$ 112	\$ 142
752	4A	5511645	REG STA MON AND CONTR-SF	TOTAL		\$ 233	\$ 735	\$ 1,073
753	4A	5511645	REG STA MON AND CONTR-SF	OTHER		\$ 200	\$ 478	\$ 784
754	4A	5511645	REG STA MON AND CONTR-SF	30948487		\$ 7	\$ 74	\$ 91
755	4A	5511645	REG STA MON AND CONTR-SF	30948485		\$ 26	\$ 184	\$ 197
756	4A	5511647	REG STA MON AND CONTR-EB	TOTAL		\$ 257	\$ 634	\$ 900
757	4A	5511648	REG STA MON AND CONTR-MI	TOTAL		\$ 107	\$ 189	\$ 497
758	4A	5511651	REG STA MON AND CONTR-SJ	TOTAL		\$ 123	\$ 198	\$ 198
759	4A	5511652	REG STA MON AND CONTR-FR	TOTAL		\$ 812	\$ 1,044	\$ 1,064
760	4A	5511653	REG STA MON AND CONTR-KE	TOTAL		\$ 8	\$ 9	\$ 9
761	4A	5511654	REG STA MON AND CONTR-ST	TOTAL		\$ 28	\$ 30	\$ 30
762	4A	5511655	REG STA MON AND CONTR-YO	TOTAL		\$ 13	\$ 14	\$ 14
763	4A	5511656	REG STA MON AND CONTR-NV	TOTAL		\$ 14	\$ 16	\$ 16
764	4A	5511657	REG STA MON AND CONTR-SA	TOTAL		\$ 49	\$ 51	\$ 51
765	4A	5511662	REG STA MONITOR-PN	TOTAL		\$ 2	\$ 3	\$ 3
766	4A	5511664	REG STA MONITOR-DI	TOTAL		\$ 111	\$ 298	\$ 298
767	4A	5511665	REG STA MONITOR-EB	TOTAL		\$ 26	\$ 28	\$ 28
768	4A	5511666	REG STA MONITOR-MI	TOTAL		\$ 31	\$ 34	\$ 34
769	4A	5511667	REG STA MONITOR-CC	TOTAL		\$ 31	\$ 31	\$ 31
770	4A	5511668	REG STA MONITOR-DA	TOTAL		\$ 210	\$ 213	\$ 213
771	4A	5511669	REG STA MONITOR-SJ	TOTAL		\$ 82	\$ 117	\$ 117
772	4A	5511670	Reg Sta Monitor-FR	TOTAL		\$ 0	\$ 0	\$ 0
773	4A	5511671	REG STA MONITOR-KE	TOTAL		\$ 285	\$ 314	\$ 314
774	4A	5511672	Reg Sta Monitor-ST	TOTAL		\$ 3	\$ 3	\$ 3
775	4A	5511675	REG STA MONITOR-SA	TOTAL		\$ 110	\$ 112	\$ 112
776	4A	5511677	REG STA MONITOR-NB	TOTAL		\$ 35	\$ 39	\$ 39
777	4A	5511678	Reg Sta Monitor-SO	TOTAL		\$ 5	\$ 5	\$ 5
778	4A	5511679	Reg Sta Monitor-HB	TOTAL		\$ 1	\$ 1	\$ 1
779	4A	5511680	MAIN MONITOR-PN	TOTAL		\$ 270	\$ 271	\$ 271
780	4A	5511681	MAIN MONITOR-SF	TOTAL		\$ 5	\$ 5	\$ 5
781	4A	5511682	MAIN MONITOR-DI	TOTAL		\$ 29	\$ 488	\$ 742
782	4A	5511683	MAIN MONITOR-EB	TOTAL		\$ 1	\$ 17	\$ 31
783	4A	5511685	MAIN MONITOR-CC	TOTAL		\$ 92	\$ 93	\$ 93
784	4A	5511686	MAIN MONITOR-DA	TOTAL		\$ 68	\$ 68	\$ 68
785	4A	5511687	MAIN MONITOR-SJ	TOTAL		\$ 23	\$ 24	\$ 24
786	4A	5511690	MAIN MONITOR-ST	TOTAL		\$ 58	\$ 58	\$ 58
787	4A	5511691	MAIN MONITOR-YO	TOTAL		\$ 19	\$ 84	\$ 113
788	4A	5511692	MAIN MONITOR-NV	TOTAL		\$ 11	\$ 11	\$ 11
789	4A	5511693	MAIN MONITOR-SA	TOTAL		\$ 4	\$ 4	\$ 4
790	4A	5511694	MAIN MONITOR-SI	TOTAL		\$ 152	\$ 153	\$ 153
791	4A	5511695	MAIN MONITOR-NB	TOTAL		\$ 2	\$ 2	\$ 2
792	4A	5511696	MAIN MONITOR-SO	TOTAL		\$ 50	\$ 51	\$ 51
793	4A	5511697	MAIN MONITOR-HB	TOTAL		\$ 2	\$ 2	\$ 2
794	4A	5511732	Valve Mon and Contr-SO	TOTAL		\$ 0	\$ 0	\$ 0
795	4A	5511734	SERVICE MONITOR-PN	TOTAL		\$ 46	\$ 49	\$ 49
796	4A	5511735	SERVICE MONITOR-SF	TOTAL		\$ 515	\$ 518	\$ 519
797	4A	5511736	SERVICE MONITOR-DI	TOTAL		\$ 626	\$ 1,428	\$ 1,476
798	4A	5511737	SERVICE MONITOR-EB	TOTAL		\$ 209	\$ 251	\$ 251
799	4A	5511738	SERVICE MONITOR-MI	TOTAL		\$ 104	\$ 175	\$ 175
800	4A	5511739	SERVICE MONITOR-CC	TOTAL		\$ 215	\$ 261	\$ 262

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
801	4A	5511740	SERVICE MONITOR-DA	TOTAL		\$ 53	\$ 57	\$ 57
802	4A	5511741	SERVICE MONITOR-SJ	TOTAL		\$ 183	\$ 197	\$ 197
803	4A	5511742	SERVICE MONITOR-FR	TOTAL		\$ 200	\$ 202	\$ 202
804	4A	5511743	SERVICE MONITOR-KE	TOTAL		\$ 71	\$ 73	\$ 74
805	4A	5511744	SERVICE MONITOR-ST	TOTAL		\$ 197	\$ 251	\$ 251
806	4A	5511745	SERVICE MONITOR-YO	TOTAL		\$ 669	\$ 696	\$ 696
807	4A	5511746	SERVICE MONITOR-NV	TOTAL		\$ 153	\$ 153	\$ 153
808	4A	5511747	SERVICE MONITOR-SA	TOTAL		\$ 267	\$ 308	\$ 327
809	4A	5511748	SERVICE MONITOR-SI	TOTAL		\$ 27	\$ 27	\$ 27
810	4A	5511749	SERVICE MONITOR-NB	TOTAL		\$ 142	\$ 142	\$ 143
811	4A	5511750	SERVICE MONITOR-SO	TOTAL		\$ 22	\$ 22	\$ 22
812	4A	5511751	SERVICE MONITOR-HB	TOTAL		\$ 165	\$ 165	\$ 165
813	4A	5511770	Zone Shutdown Protocols	TOTAL		-\$ 27	\$ 0	\$ 0
814	4A	5511771	Training Simulation	TOTAL		\$ 1	\$ 4	\$ 4
815	4A	5511772	Upgrade Gas SCADA to 7.2 w/ nec. Feature	TOTAL		\$ 283	\$ 481	\$ 481
816	4A	5513099	GDCC - MANAGEMENT OF FIELD INSTALLATIONS	TOTAL		\$ 3,446	\$ 3,529	\$ 3,529
817	4A	5749299	GDCC CONSULTING	TOTAL		\$ 3,914	\$ 5,903	\$ 6,394
818	4A	5750438	GDCC - GAS CONTROL CHANGE MANAGEMENT	TOTAL		\$ 2,614	\$ 5,767	\$ 5,897
819	4A	5750785	SCV - MWC 4A G Dist Ctrl Oper Assets	TOTAL		-\$ 1,319	-\$ 1,221	-\$ 1,221
820	4A	5753041	Gas Control Room Technology	TOTAL		\$ 2,084	\$ 2,122	\$ 2,122
821	50		TOTAL FOR MWC 50			\$ 85,032	\$ 132,844	\$ 371,133
822	50	5500640	IMPR REL/DEP G-CC	TOTAL		\$ 109	\$ 125	\$ 402
823	50	5500640	IMPR REL/DEP G-CC	OTHER		\$ 101	\$ 107	\$ 384
824	50	5500640	IMPR REL/DEP G-CC	30969912		\$ 8	\$ 18	\$ 18
825	50	5500641	IMPR REL/DEP G-DA	TOTAL		\$ 864	\$ 1,051	\$ 1,424
826	50	5500641	IMPR REL/DEP G-DA	OTHER		\$ 0	\$ 6	\$ 378
827	50	5500641	IMPR REL/DEP G-DA	30977443		\$ 864	\$ 1,046	\$ 1,046
828	50	5500643	IMPR REL/DEP G-DI	TOTAL		\$ 1,088	\$ 1,321	\$ 2,985
829	50	5500643	IMPR REL/DEP G-DI	OTHER		\$ 114	\$ 241	\$ 1,588
830	50	5500643	IMPR REL/DEP G-DI	30987010		\$ 972	\$ 988	\$ 988
831	50	5500643	IMPR REL/DEP G-DI	30882128		\$ 2	\$ 92	\$ 410
832	50	5500645	IMPR REL/DEP G-EB	TOTAL		\$ 353	\$ 680	\$ 2,951
833	50	5500646	IMPR REL/DEP G-FR	TOTAL		\$ 1,309	\$ 2,132	\$ 4,441
834	50	5500648	IMPR REL/DEP G-KE	TOTAL		\$ 528	\$ 689	\$ 1,447
835	50	5500649	IMPR REL/DEP G-MI	TOTAL		\$ 494	\$ 965	\$ 2,224
836	50	5500650	IMPR REL/DEP G-NB	TOTAL		\$ 1,621	\$ 2,954	\$ 9,618
837	50	5500650	IMPR REL/DEP G-NB	OTHER		\$ 432	\$ 628	\$ 7,259
838	50	5500650	IMPR REL/DEP G-NB	30953831		\$ 669	\$ 880	\$ 880
839	50	5500650	IMPR REL/DEP G-NB	30922553		\$ 84	\$ 995	\$ 1,027
840	50	5500650	IMPR REL/DEP G-NB	30880292		\$ 435	\$ 451	\$ 452
841	50	5500651	IMPR REL/DEP G - SO	TOTAL		\$ 678	\$ 1,167	\$ 4,177
842	50	5500651	IMPR REL/DEP G - SO	OTHER		\$ 105	\$ 305	\$ 3,316
843	50	5500651	IMPR REL/DEP G - SO	30944440		-\$ 3	\$ 245	\$ 245
844	50	5500651	IMPR REL/DEP G - SO	30940156		\$ 9	\$ 16	\$ 16
845	50	5500651	IMPR REL/DEP G - SO	30937753		\$ 550	\$ 575	\$ 575
846	50	5500651	IMPR REL/DEP G - SO	30933852		\$ 17	\$ 26	\$ 26
847	50	5500652	IMPR REL/DEP G-NV	TOTAL		\$ 137	\$ 286	\$ 1,706
848	50	5500652	IMPR REL/DEP G-NV	OTHER		\$ 21	\$ 158	\$ 1,527
849	50	5500652	IMPR REL/DEP G-NV	30755088		\$ 116	\$ 128	\$ 179
850	50	5500657	IMPR REL/DEP G-PN	TOTAL		\$ 311	\$ 369	\$ 1,629
851	50	5500657	IMPR REL/DEP G-PN	OTHER		\$ 50	\$ 98	\$ 1,356
852	50	5500657	IMPR REL/DEP G-PN	30950906		\$ 244	\$ 248	\$ 249
853	50	5500657	IMPR REL/DEP G-PN	30950905		\$ 17	\$ 24	\$ 25
854	50	5500658	IMPR REL/DEP G-SA	TOTAL		\$ 1,287	\$ 1,816	\$ 8,975
855	50	5500659	IMPR REL/DEP G-SF	TOTAL		\$ 5,264	\$ 14,804	\$ 31,140
856	50	5500659	IMPR REL/DEP G-SF	OTHER		\$ 275	\$ 801	\$ 13,621
857	50	5500659	IMPR REL/DEP G-SF	30976248		\$ 357	\$ 357	\$ 357
858	50	5500659	IMPR REL/DEP G-SF	30975054		\$ 903	\$ 932	\$ 932
859	50	5500659	IMPR REL/DEP G-SF	30974098		\$ 282	\$ 283	\$ 283
860	50	5500659	IMPR REL/DEP G-SF	30970410		\$ 482	\$ 2,639	\$ 2,639
861	50	5500659	IMPR REL/DEP G-SF	30969574		\$ 657	\$ 659	\$ 659
862	50	5500659	IMPR REL/DEP G-SF	30962526		\$ 181	\$ 325	\$ 325
863	50	5500659	IMPR REL/DEP G-SF	30959474		\$ 904	\$ 935	\$ 936
864	50	5500659	IMPR REL/DEP G-SF	30956933		\$ 49	\$ 52	\$ 53
865	50	5500659	IMPR REL/DEP G-SF	30945052		\$ 350	\$ 354	\$ 355
866	50	5500659	IMPR REL/DEP G-SF	30945048		\$ 509	\$ 519	\$ 519
867	50	5500659	IMPR REL/DEP G-SF	30945041		\$ 134	\$ 728	\$ 728
868	50	5500659	IMPR REL/DEP G-SF	30941194		\$ 53	\$ 991	\$ 992
869	50	5500659	IMPR REL/DEP G-SF	30941191		\$ 10	\$ 1,059	\$ 1,068
870	50	5500659	IMPR REL/DEP G-SF	30940128		\$ 11	\$ 491	\$ 492
871	50	5500659	IMPR REL/DEP G-SF	30938895		-\$ 37	\$ 30	\$ 36
872	50	5500659	IMPR REL/DEP G-SF	30883821		\$ 161	\$ 2,205	\$ 2,231
873	50	5500659	IMPR REL/DEP G-SF	30881218		\$ 20	\$ 1,398	\$ 1,404
874	50	5500659	IMPR REL/DEP G-SF	30881215		-\$ 35	-\$ 2	\$ 865
875	50	5500659	IMPR REL/DEP G-SF	30881213		-\$ 5	\$ 11	\$ 922
876	50	5500659	IMPR REL/DEP G-SF	30881211		\$ 0	\$ 25	\$ 815
877	50	5500659	IMPR REL/DEP G-SF	30881202		\$ 2	\$ 13	\$ 908
878	50	5500660	IMPR REL/DEP G-SJ	TOTAL		\$ 625	\$ 1,171	\$ 4,931
879	50	5500660	IMPR REL/DEP G-SJ	OTHER		\$ 313	\$ 694	\$ 2,665
880	50	5500660	IMPR REL/DEP G-SJ	31021780		\$ 271	\$ 271	\$ 271

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
881	50	5500660	IMPR REL/DEP G-SJ	30842345		\$ 0	\$ 161	\$ 1,951
882	50	5500660	IMPR REL/DEP G-SJ	30826328		\$ 40	\$ 44	\$ 44
883	50	5500661	IMPR REL/DEP G-SI	TOTAL		\$ 293	\$ 816	\$ 2,518
884	50	5500661	IMPR REL/DEP G-SI	OTHER		\$ 94	\$ 603	\$ 2,303
885	50	5500661	IMPR REL/DEP G-SI	30956179		\$ 10	\$ 15	\$ 16
886	50	5500661	IMPR REL/DEP G-SI	30953830		\$ 189	\$ 198	\$ 199
887	50	5500662	IMPR REL/DEP G-ST	TOTAL		\$ 1,412	\$ 2,426	\$ 9,821
888	50	5500662	IMPR REL/DEP G-ST	OTHER		\$ 309	\$ 634	\$ 7,577
889	50	5500662	IMPR REL/DEP G-ST	30881208		\$ 0	\$ 431	\$ 435
890	50	5500662	IMPR REL/DEP G-ST	30881207		\$ 540	\$ 555	\$ 557
891	50	5500662	IMPR REL/DEP G-ST	30873887		\$ 555	\$ 590	\$ 596
892	50	5500662	IMPR REL/DEP G-ST	30790056		\$ 0	\$ 203	\$ 631
893	50	5500662	IMPR REL/DEP G-ST	30790054		\$ 7	\$ 13	\$ 27
894	50	5500663	IMPR REL/DEP G-YO	TOTAL		\$ 904	\$ 1,898	\$ 3,617
895	50	5500663	IMPR REL/DEP G-YO	OTHER		\$ 221	\$ 305	\$ 1,761
896	50	5500663	IMPR REL/DEP G-YO	31013655		\$ 654	\$ 654	\$ 654
897	50	5500663	IMPR REL/DEP G-YO	30951781		\$ 17	\$ 18	\$ 18
898	50	5500663	IMPR REL/DEP G-YO	30948872		\$ 7	\$ 14	\$ 14
899	50	5500663	IMPR REL/DEP G-YO	30880964		\$ 7	\$ 266	\$ 275
900	50	5500663	IMPR REL/DEP G-YO	30879258		\$ -1	\$ 642	\$ 895
901	50	5502643	System-wide unscheduled main replacement	TOTAL		\$ 0	\$ 4	\$ 844
902	50	5506942	IMP REL / DEP, GAS SERVICES - EB	TOTAL		\$ 1,705	\$ 3,043	\$ 10,829
903	50	5506943	IMP REL / DEP, GAS SERVICES - MI	TOTAL		\$ 1,917	\$ 2,717	\$ 8,158
904	50	5506944	IMP REL / DEP, GAS SVCS - CC	TOTAL		\$ 346	\$ 397	\$ 2,024
905	50	5506945	IMP REL / DEP, GAS SVCS - DA	TOTAL		\$ 250	\$ 273	\$ 2,412
906	50	5506946	IMP REL / DEP, GAS SVCS - DI	TOTAL		\$ 2,124	\$ 3,389	\$ 7,255
907	50	5506947	IMP REL / DEP, GAS SVCS - FR	TOTAL		\$ 156	\$ 307	\$ 2,721
908	50	5506948	IMP REL / DEP, GAS SVCS - KE	TOTAL		\$ 371	\$ 519	\$ 2,531
909	50	5506949	IMP REL / DEP, GAS SVCS - NB	TOTAL		\$ 687	\$ 1,844	\$ 7,518
910	50	5506950	IMP REL / DEP, GAS SVCS - SO	TOTAL		\$ 1,102	\$ 2,084	\$ 7,118
911	50	5506951	IMP REL / DEP, GAS SVCS - NV	TOTAL		\$ 1,929	\$ 2,105	\$ 3,826
912	50	5506952	IMP REL / DEP, GAS SVCS - PN	TOTAL		\$ 3,752	\$ 5,468	\$ 10,558
913	50	5506953	IMP REL / DEP, GAS SVCS - SA	TOTAL		\$ 2,769	\$ 5,283	\$ 11,756
914	50	5506954	IMP REL / DEP, GAS SVCS - SF	TOTAL		\$ 991	\$ 1,754	\$ 7,229
915	50	5506955	IMP REL / DEP, GAS SVCS - SI	TOTAL		\$ 1,352	\$ 1,762	\$ 3,248
916	50	5506956	IMP REL / DEP, GAS SVCS - SJ	TOTAL		\$ 3,508	\$ 5,435	\$ 12,027
917	50	5506957	IMP REL / DEP, GAS SVCS - ST	TOTAL		\$ 1,015	\$ 1,726	\$ 4,409
918	50	5506958	IMP REL / DEP, GAS SVCS - YO	TOTAL		\$ 1,317	\$ 1,823	\$ 4,095
919	50	5506959	IMPR RELB/SYS DEPND-G-CP SYS - CC	TOTAL		\$ 159	\$ 366	\$ 1,221
920	50	5506960	IMPR RELB/SYS DEPND-G-CP SYS - DA	TOTAL		\$ 3	\$ 5	\$ 350
921	50	5506961	IMPR RELB/SYS DEPND-G-CP SYS - DI	TOTAL		\$ 93	\$ 154	\$ 561
922	50	5506962	IMPR RELB/SYS DEPND-G-CP SYS - EB	TOTAL		\$ 57	\$ 132	\$ 948
923	50	5506963	IMPR RELB/SYS DEPND-G-CP SYS - FR	TOTAL		\$ 8	\$ 20	\$ 2,328
924	50	5506963	IMPR RELB/SYS DEPND-G-CP SYS - FR	OTHER		\$ 7	\$ 8	\$ 1,718
925	50	5506963	IMPR RELB/SYS DEPND-G-CP SYS - FR	30784977		\$ 1	\$ 12	\$ 610
926	50	5506964	IMPR RELB/SYS DEPND-G-CP SYS - KE	TOTAL		\$ 310	\$ 430	\$ 2,139
927	50	5506964	IMPR RELB/SYS DEPND-G-CP SYS - KE	OTHER		\$ 27	\$ 30	\$ 1,361
928	50	5506964	IMPR RELB/SYS DEPND-G-CP SYS - KE	30969552		\$ 236	\$ 239	\$ 239
929	50	5506964	IMPR RELB/SYS DEPND-G-CP SYS - KE	30870577		\$ 46	\$ 160	\$ 539
930	50	5506965	IMPR RELB/SYS DEPND-G-CP SYS - MI	TOTAL		\$ 6	\$ 23	\$ 177
931	50	5506966	IMPR RELB/SYS DEPND-G-CP SYS - NB	TOTAL		\$ 260	\$ 370	\$ 781
932	50	5506967	IMPR RELB/SYS DEPND-G-CP SYS - SO	TOTAL		\$ 133	\$ 223	\$ 1,272
933	50	5506968	IMPR RELB/SYS DEPND-G-CP SYS - NV	TOTAL		\$ 5	\$ 21	\$ 758
934	50	5506969	IMPR RELB/SYS DEPND-G-CP SYS - PN	TOTAL		\$ 156	\$ 281	\$ 1,076
935	50	5506970	IMPR RELB/SYS DEPND-G-CP SYS - SA	TOTAL		\$ 63	\$ 169	\$ 2,113
936	50	5506971	IMPR RELB/SYS DEPND-G-CP SYS - SF	TOTAL		\$ 8	\$ 107	\$ 779
937	50	5506972	IMPR RELB/SYS DEPND-G-CP SYS - SI	TOTAL		\$ 7	\$ 49	\$ 558
938	50	5506973	IMPR RELB/SYS DEPND-G-CP SYS - SJ	TOTAL		\$ 343	\$ 413	\$ 1,303
939	50	5506974	IMPR RELB/SYS DEPND-G-CP SYS - ST	TOTAL		\$ 61	\$ 246	\$ 1,447
940	50	5506975	IMPR RELB/SYS DEPND-G-CP SYS - YO	TOTAL		\$ 93	\$ 185	\$ 1,860
941	50	5506976	IMPR RELB/SYS DEPND-G-OTH EQUIP - CC	TOTAL		\$ 17	\$ 239	\$ 692
942	50	5506977	IMPR RELB/SYS DEPND-G-OTH EQUIP - DA	TOTAL		\$ 313	\$ 333	\$ 479
943	50	5506978	IMPR RELB/SYS DEPND-G-OTH EQUIP - DI	TOTAL		\$ 124	\$ 125	\$ 1,007
944	50	5506979	IMPR RELB/SYS DEPND-G-OTH EQUIP - EB	TOTAL		\$ 20	\$ 107	\$ 1,097
945	50	5506979	IMPR RELB/SYS DEPND-G-OTH EQUIP - EB	OTHER		\$ 0	\$ 77	\$ 1,061
946	50	5506979	IMPR RELB/SYS DEPND-G-OTH EQUIP - EB	30927671		\$ 20	\$ 30	\$ 36
947	50	5506980	IMPR RELB/SYS DEPND-G-OTH EQUIP - FR	TOTAL		\$ 0	\$ 3	\$ 91
948	50	5506981	IMPR RELB/SYS DEPND-G-OTH EQUIP - KE	TOTAL		\$ 3	\$ 3	\$ 39
949	50	5506982	IMPR RELB/SYS DEPND-G-OTH EQUIP - MI	TOTAL		\$ 0	\$ 0	\$ 122
950	50	5506983	IMPR RELB/SYS DEPND-G-OTH EQUIP - NB	TOTAL		\$ 14	\$ 14	\$ 768
951	50	5506984	IMPR RELB/SYS DEPND-G-OTH EQUIP - SO	TOTAL		\$ 1	\$ 70	\$ 218
952	50	5506985	IMPR RELB/SYS DEPND-G-OTH EQUIP - NV	TOTAL		\$ 6	\$ 22	\$ 301
953	50	5506986	IMPR RELB/SYS DEPND-G-OTH EQUIP - PN	TOTAL		\$ 17	\$ 17	\$ 423
954	50	5506987	IMPR RELB/SYS DEPND-G-OTH EQUIP - SA	TOTAL		\$ 17	\$ 44	\$ 834
955	50	5506988	IMPR RELB/SYS DEPND-G-OTH EQUIP - SF	TOTAL		\$ 93	\$ 241	\$ 893
956	50	5506989	IMPR RELB/SYS DEPND-G-OTH EQUIP - SI	TOTAL		\$ 14	\$ 69	\$ 590
957	50	5506990	IMPR RELB/SYS DEPND-G-OTH EQUIP - SJ	TOTAL		\$ -7	\$ 67	\$ 1,165
958	50	5506991	IMPR RELB/SYS DEPND-G-OTH EQUIP - ST	TOTAL		\$ 13	\$ 13	\$ 77
959	50	5506992	IMPR RELB/SYS DEPND-G-OTH EQUIP - YO	TOTAL		\$ 34	\$ 36	\$ 259
960	50	5506993	IMPR RELB/SYS DEPND-G-REGS - CC	TOTAL		\$ 529	\$ 793	\$ 3,485

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
961	50	5506993	IMPR RELB/SYS DEPND-G-REGS - CC	OTHER		\$ 343	\$ 595	\$ 3,287
962	50	5506993	IMPR RELB/SYS DEPND-G-REGS - CC	30921136		\$ 186	\$ 198	\$ 198
963	50	5506994	IMPR RELB/SYS DEPND-G-REGS - DA	TOTAL		\$ 23	\$ 22	\$ 2,387
964	50	5506995	IMPR RELB/SYS DEPND-G-REGS - DI	TOTAL		\$ 2,422	\$ 3,409	\$ 7,700
965	50	5506995	IMPR RELB/SYS DEPND-G-REGS - DI	OTHER		\$ -11	\$ 0	\$ 4,132
966	50	5506995	IMPR RELB/SYS DEPND-G-REGS - DI	30949548		\$ 12	\$ 17	\$ 17
967	50	5506995	IMPR RELB/SYS DEPND-G-REGS - DI	30949544		\$ 1,018	\$ 1,068	\$ 1,068
968	50	5506995	IMPR RELB/SYS DEPND-G-REGS - DI	30882362		\$ 85	\$ 847	\$ 943
969	50	5506995	IMPR RELB/SYS DEPND-G-REGS - DI	30881353		\$ 1,319	\$ 1,477	\$ 1,540
970	50	5506996	IMPR RELB/SYS DEPND-G-REGS - EB	TOTAL		\$ 219	\$ 312	\$ 3,477
971	50	5506996	IMPR RELB/SYS DEPND-G-REGS - EB	OTHER		\$ 203	\$ 264	\$ 3,428
972	50	5506996	IMPR RELB/SYS DEPND-G-REGS - EB	30954284		\$ 16	\$ 49	\$ 49
973	50	5506997	IMPR RELB/SYS DEPND-G-REGS - FR	TOTAL		\$ 421	\$ 433	\$ 2,440
974	50	5506997	IMPR RELB/SYS DEPND-G-REGS - FR	OTHER		\$ 0	\$ 13	\$ 2,020
975	50	5506997	IMPR RELB/SYS DEPND-G-REGS - FR	31017628		\$ 421	\$ 421	\$ 421
976	50	5506998	IMPR RELB/SYS DEPND-G-REGS - KE	TOTAL		\$ 27	\$ 28	\$ 172
977	50	5506999	IMPR RELB/SYS DEPND-G-REGS - MI	TOTAL		\$ 62	\$ 179	\$ 1,556
978	50	5506999	IMPR RELB/SYS DEPND-G-REGS - MI	OTHER		\$ 21	\$ 134	\$ 1,485
979	50	5506999	IMPR RELB/SYS DEPND-G-REGS - MI	31016037		\$ 15	\$ 15	\$ 15
980	50	5506999	IMPR RELB/SYS DEPND-G-REGS - MI	31016027		\$ 12	\$ 12	\$ 12
981	50	5506999	IMPR RELB/SYS DEPND-G-REGS - MI	30914792		\$ 14	\$ 18	\$ 44
982	50	5507000	IMPR RELB/SYS DEPND-G-REGS - NB	TOTAL		\$ 1,324	\$ 1,511	\$ 3,732
983	50	5507000	IMPR RELB/SYS DEPND-G-REGS - NB	OTHER		\$ 25	\$ 64	\$ 2,243
984	50	5507000	IMPR RELB/SYS DEPND-G-REGS - NB	30881228		\$ 14	\$ 16	\$ 16
985	50	5507000	IMPR RELB/SYS DEPND-G-REGS - NB	30880923		\$ 18	\$ 21	\$ 21
986	50	5507000	IMPR RELB/SYS DEPND-G-REGS - NB	30880921		\$ 161	\$ 177	\$ 195
987	50	5507000	IMPR RELB/SYS DEPND-G-REGS - NB	30880920		\$ 1,089	\$ 1,217	\$ 1,241
988	50	5507000	IMPR RELB/SYS DEPND-G-REGS - NB	30880839		\$ 16	\$ 16	\$ 16
989	50	5507001	IMPR RELB/SYS DEPND-G-REGS - SO	TOTAL		\$ 0	\$ 30	\$ 2,120
990	50	5507002	IMPR RELB/SYS DEPND-G-REGS - NV	TOTAL		\$ 1,515	\$ 1,935	\$ 9,552
991	50	5507002	IMPR RELB/SYS DEPND-G-REGS - NV	OTHER		\$ 18	\$ 150	\$ 7,754
992	50	5507002	IMPR RELB/SYS DEPND-G-REGS - NV	30959835		\$ 352	\$ 522	\$ 524
993	50	5507002	IMPR RELB/SYS DEPND-G-REGS - NV	30959833		\$ 17	\$ 31	\$ 31
994	50	5507002	IMPR RELB/SYS DEPND-G-REGS - NV	30919614		\$ 316	\$ 329	\$ 330
995	50	5507002	IMPR RELB/SYS DEPND-G-REGS - NV	30881478		\$ 812	\$ 903	\$ 913
996	50	5507003	IMPR RELB/SYS DEPND-G-REGS - PN	TOTAL		\$ 135	\$ 322	\$ 4,600
997	50	5507003	IMPR RELB/SYS DEPND-G-REGS - PN	OTHER		\$ 116	\$ 299	\$ 4,576
998	50	5507003	IMPR RELB/SYS DEPND-G-REGS - PN	30955091		\$ 19	\$ 23	\$ 24
999	50	5507004	IMPR RELB/SYS DEPND-G-REGS - SA	TOTAL		\$ 1,263	\$ 1,702	\$ 5,635
1000	50	5507004	IMPR RELB/SYS DEPND-G-REGS - SA	OTHER		\$ 335	\$ 485	\$ 4,055
1001	50	5507004	IMPR RELB/SYS DEPND-G-REGS - SA	30881613		\$ 514	\$ 711	\$ 713
1002	50	5507004	IMPR RELB/SYS DEPND-G-REGS - SA	30881612		\$ -4	\$ 59	\$ 406
1003	50	5507004	IMPR RELB/SYS DEPND-G-REGS - SA	30880951		\$ 418	\$ 447	\$ 461
1004	50	5507005	IMPR RELB/SYS DEPND-G-REGS - SF	TOTAL		\$ -7	\$ 224	\$ 4,863
1005	50	5507006	IMPR RELB/SYS DEPND-G-REGS - SI	TOTAL		\$ 628	\$ 642	\$ 2,605
1006	50	5507006	IMPR RELB/SYS DEPND-G-REGS - SI	OTHER		\$ 0	\$ 12	\$ 1,975
1007	50	5507006	IMPR RELB/SYS DEPND-G-REGS - SI	30962885		\$ 628	\$ 630	\$ 630
1008	50	5507007	IMPR RELB/SYS DEPND-G-REGS - SJ	TOTAL		\$ 830	\$ 908	\$ 2,509
1009	50	5507007	IMPR RELB/SYS DEPND-G-REGS - SJ	OTHER		\$ 181	\$ 217	\$ 1,814
1010	50	5507007	IMPR RELB/SYS DEPND-G-REGS - SJ	30937735		\$ 10	\$ 11	\$ 11
1011	50	5507007	IMPR RELB/SYS DEPND-G-REGS - SJ	30933967		\$ 637	\$ 670	\$ 670
1012	50	5507007	IMPR RELB/SYS DEPND-G-REGS - SJ	30871195		\$ 2	\$ 11	\$ 15
1013	50	5507008	IMPR RELB/SYS DEPND-G-REGS - ST	TOTAL		\$ 477	\$ 688	\$ 2,960
1014	50	5507008	IMPR RELB/SYS DEPND-G-REGS - ST	OTHER		\$ 50	\$ 190	\$ 1,665
1015	50	5507008	IMPR RELB/SYS DEPND-G-REGS - ST	30873896		\$ 426	\$ 480	\$ 482
1016	50	5507008	IMPR RELB/SYS DEPND-G-REGS - ST	30762887		\$ 2	\$ 18	\$ 813
1017	50	5507009	IMPR RELB/SYS DEPND-G-REGS - YO	TOTAL		\$ 74	\$ 102	\$ 2,099
1018	50	5507009	IMPR RELB/SYS DEPND-G-REGS - YO	OTHER		\$ 41	\$ 50	\$ 2,036
1019	50	5507009	IMPR RELB/SYS DEPND-G-REGS - YO	30878928		\$ 33	\$ 52	\$ 63
1020	50	5507010	IMPR RELB/SYS DEPND-G-VALVES - CC	TOTAL		\$ 54	\$ 79	\$ 746
1021	50	5507011	IMPR RELB/SYS DEPND-G-VALVES - DA	TOTAL		\$ 201	\$ 226	\$ 269
1022	50	5507012	IMPR RELB/SYS DEPND-G-VALVES - DI	TOTAL		\$ 420	\$ 542	\$ 1,657
1023	50	5507013	IMPR RELB/SYS DEPND-G-VALVES - EB	TOTAL		\$ 182	\$ 546	\$ 3,067
1024	50	5507014	IMPR RELB/SYS DEPND-G-VALVES - FR	TOTAL		\$ 114	\$ 169	\$ 650
1025	50	5507015	IMPR RELB/SYS DEPND-G-VALVES - KE	TOTAL		\$ 11	\$ 37	\$ 701
1026	50	5507016	IMPR RELB/SYS DEPND-G-VALVES - MI	TOTAL		\$ 20	\$ 45	\$ 1,415
1027	50	5507017	IMPR RELB/SYS DEPND-G-VALVES - NB	TOTAL		\$ 106	\$ 107	\$ 648
1028	50	5507018	IMPR RELB/SYS DEPND-G-VALVES - SO	TOTAL		\$ 57	\$ 60	\$ 889
1029	50	5507019	IMPR RELB/SYS DEPND-G-VALVES - NV	TOTAL		\$ 39	\$ 39	\$ 869
1030	50	5507020	IMPR RELB/SYS DEPND-G-VALVES - PN	TOTAL		\$ 107	\$ 298	\$ 878
1031	50	5507021	IMPR RELB/SYS DEPND-G-VALVES - SA	TOTAL		\$ 237	\$ 500	\$ 2,101
1032	50	5507022	IMPR RELB/SYS DEPND-G-VALVES - SF	TOTAL		\$ 89	\$ 201	\$ 1,847
1033	50	5507023	IMPR RELB/SYS DEPND-G-VALVES - SI	TOTAL		\$ 147	\$ 180	\$ 376
1034	50	5507024	IMPR RELB/SYS DEPND-G-VALVES - SJ	TOTAL		\$ 62	\$ 139	\$ 652
1035	50	5507025	IMPR RELB/SYS DEPND-G-VALVES - ST	TOTAL		\$ 4	\$ 345	\$ 2,209
1036	50	5507026	IMPR RELB/SYS DEPND-G-VALVES - YO	TOTAL		\$ 275	\$ 388	\$ 1,635
1037	50	5507959	Repair Gas Valve/Regulator Station-Marin	TOTAL		\$ 0	\$ 0	\$ 2,664
1038	50	5508123	North Coast Service Replacements	TOTAL		\$ 2	\$ 25	\$ 193
1039	50	5509084	HB - IMPR REL/DEP G	TOTAL		\$ 10	\$ 51	\$ 1,862
1040	50	5509085	HB - IMPR REL / DEP. GAS SVCS	TOTAL		\$ 1,132	\$ 1,869	\$ 3,010

TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
1041	50	5509100	HB - IMPR RELB/SYS DEPND-G-REGS	TOTAL		\$ 6	\$ 6	\$ 1,731
1042	50	5509101	HB - IMPR RELB/SYS DEPND-G-CP SYS	TOTAL		\$ 20	\$ 20	\$ 82
1043	50	5509102	HB - IMPR RELB/SYS DEPND-G-VALVES	TOTAL		\$ 24	\$ 80	\$ 481
1044	50	5509252	Est - Int Est/DesignDist - SCV MWC 50	TOTAL		-\$ 2,786	-\$ 1,183	-\$ 5,328
1045	50	5510176	Econ Stim Imp Rel / Dep G Remote CP SA	TOTAL		\$ 536	\$ 677	\$ 1,120
1046	50	5510176	Econ Stim Imp Rel / Dep G Remote CP SA	OTHER		\$ 0	\$ 0	\$ 435
1047	50	5510176	Econ Stim Imp Rel / Dep G Remote CP SA	30841766		\$ 536	\$ 677	\$ 685
1048	50	5510860	MWC 50 SCV Allocation	TOTAL		-\$ 2,547	-\$ 2,080	-\$ 983
1049	50	5511059	Impr Rel/Dep - G Overbuild-DA	TOTAL		\$ 2	\$ 30	\$ 30
1050	50	5511060	Impr Rel/Dep - G Overbuild-CC	TOTAL		\$ 493	\$ 691	\$ 2,422
1051	50	5511061	Impr Rel/Dep - G Overbuild-DA	TOTAL		\$ 131	\$ 257	\$ 419
1052	50	5511062	Impr Rel/Dep - G Overbuild-DI	TOTAL		\$ 528	\$ 702	\$ 1,263
1053	50	5511063	Impr Rel/Dep - G Overbuild-EB	TOTAL		\$ 23	\$ 59	\$ 126
1054	50	5511065	Impr Rel/Dep - G Overbuild-HB	TOTAL		\$ 396	\$ 548	\$ 643
1055	50	5511066	Impr Rel/Dep - G Overbuild-KE	TOTAL		\$ 51	\$ 73	\$ 134
1056	50	5511068	Impr Rel/Dep - G Overbuild-MI	TOTAL		\$ 25	\$ 73	\$ 394
1057	50	5511069	Impr Rel/Dep - G Overbuild-NB	TOTAL		\$ 951	\$ 1,679	\$ 7,050
1058	50	5511069	Impr Rel/Dep - G Overbuild-NB	OTHER		\$ 685	\$ 908	\$ 2,961
1059	50	5511069	Impr Rel/Dep - G Overbuild-NB	30871984		-\$ 2	\$ 501	\$ 3,800
1060	50	5511069	Impr Rel/Dep - G Overbuild-NB	30800067		\$ 268	\$ 269	\$ 288
1061	50	5511070	Impr Rel/Dep - G Overbuild-NV	TOTAL		\$ 19	\$ 19	\$ 366
1062	50	5511071	Impr Rel/Dep - G Overbuild-PN	TOTAL		\$ 129	\$ 134	\$ 142
1063	50	5511072	Impr Rel/Dep - G Overbuild-SA	TOTAL		\$ 308	\$ 673	\$ 4,472
1064	50	5511073	Impr Rel/Dep - G Overbuild-SF	TOTAL		\$ 135	\$ 135	\$ 151
1065	50	5511074	Impr Rel/Dep - G Overbuild-SI	TOTAL		\$ 114	\$ 197	\$ 428
1066	50	5511075	Impr Rel/Dep - G Overbuild-SJ	TOTAL		\$ 448	\$ 533	\$ 634
1067	50	5511076	Impr Rel/Dep - G Overbuild-SO	TOTAL		\$ 529	\$ 734	\$ 1,344
1068	50	5511077	Impr Rel/Dep - G Overbuild-ST	TOTAL		\$ 126	\$ 137	\$ 627
1069	50	5511078	Impr Rel/Dep - G Overbuild-YO	TOTAL		\$ 59	\$ 66	\$ 484
1070	50	5511078	Impr Rel/Dep - G Overbuild-YO	OTHER		\$ 51	\$ 55	\$ 457
1071	50	5511078	Impr Rel/Dep - G Overbuild-YO	30847509		\$ 9	\$ 11	\$ 28
1072	50	5513000	MWC 50 Sand & Gravel and Spoilage	TOTAL		\$ 350	\$ 629	\$ 1,318
1073	50	5513419	EMERGENT LEAKING MAIN REPL-NORTHERN REG	TOTAL		\$ 297	\$ 467	\$ 497
1074	50	5513420	EMERGENT LEAKING MAIN REPL-BAY AREA REG	TOTAL		\$ 139	\$ 139	\$ 158
1075	50	5513420	EMERGENT LEAKING MAIN REPL-BAY AREA REG	OTHER		\$ 112	\$ 112	\$ 132
1076	50	5513420	EMERGENT LEAKING MAIN REPL-BAY AREA REG	31018708		\$ 26	\$ 26	\$ 26
1077	50	5513463	GAS SVCS REPLACEMENT - EB	TOTAL		\$ 1,069	\$ 1,096	\$ 1,099
1078	50	5513464	GAS SVCS REPLACEMENT - MI	TOTAL		\$ 586	\$ 803	\$ 807
1079	50	5513465	GAS SVCS REPLACEMENT - CC	TOTAL		\$ 427	\$ 693	\$ 731
1080	50	5513466	GAS SVCS REPLACEMENT - DA	TOTAL		\$ 343	\$ 495	\$ 504
1081	50	5513468	GAS SVCS REPLACEMENT - FR	TOTAL		\$ 531	\$ 1,131	\$ 1,137
1082	50	5513469	GAS SVCS REPLACEMENT - KE	TOTAL		\$ 105	\$ 194	\$ 197
1083	50	5513470	GAS SVCS REPLACEMENT - NB	TOTAL		\$ 1,541	\$ 1,623	\$ 1,623
1084	50	5513471	GAS SVCS REPLACEMENT - SO	TOTAL		\$ 126	\$ 186	\$ 186
1085	50	5513472	GAS SVCS REPLACEMENT - NV	TOTAL		\$ 365	\$ 368	\$ 368
1086	50	5513474	GAS SVCS REPLACEMENT - SA	TOTAL		\$ 7,412	\$ 8,117	\$ 8,117
1087	50	5513475	GAS SVCS REPLACEMENT - SF	TOTAL		\$ 1,822	\$ 1,822	\$ 1,822
1088	50	5513476	GAS SVCS REPLACEMENT - SI	TOTAL		\$ 545	\$ 550	\$ 550
1089	50	5513477	GAS SVCS REPLACEMENT - SJ	TOTAL		\$ 2,087	\$ 2,185	\$ 2,190
1090	50	5513478	GAS SVCS REPLACEMENT - ST	TOTAL		\$ 1,768	\$ 1,780	\$ 1,792
1091	50	5513479	GAS SVCS REPLACEMENT - YO	TOTAL		\$ 742	\$ 768	\$ 775
1092	50	5513480	GAS SVCS REPLACEMENT - HB	TOTAL		\$ 123	\$ 204	\$ 244
1093	50	5513880	Impr Rel/Dep Reg Station Components-CC	TOTAL		\$ 276	\$ 276	\$ 276
1094	50	5513888	Impr Rel/Dep Reg Station Components-NB	TOTAL		\$ 8	\$ 8	\$ 8
1095	50	5513889	Impr Rel/Dep Reg Station Components-NV	TOTAL		\$ 6	\$ 6	\$ 6
1096	50	5513893	Impr Rel/Dep Reg Station Components-SI	TOTAL		\$ 12	\$ 12	\$ 12
1097	50	5513956	Impr Rel/Dep-CutOff Idle G Svc-CC	TOTAL		\$ 66	\$ 66	\$ 66
1098	50	5513958	Impr Rel/Dep-CutOff Idle G Svc-DI	TOTAL		\$ 111	\$ 113	\$ 128
1099	50	5513999	Impr Rel/Dep-CutOff Idle G Svc-EB	TOTAL		\$ 9	\$ 9	\$ 9
1100	50	5514000	Impr Rel/Dep-CutOff Idle G Svc-FR	TOTAL		\$ 20	\$ 20	\$ 20
1101	50	5514003	Impr Rel/Dep-CutOff Idle G Svc-MI	TOTAL		\$ 7	\$ 7	\$ 7
1102	50	5514004	Impr Rel/Dep-CutOff Idle G Svc-NB	TOTAL		\$ 19	\$ 23	\$ 23
1103	50	5514005	Impr Rel/Dep-CutOff Idle G Svc-NV	TOTAL		\$ 63	\$ 63	\$ 63
1104	50	5514007	Impr Rel/Dep-CutOff Idle G Svc-SA	TOTAL		\$ 100	\$ 100	\$ 100
1105	50	5514008	Impr Rel/Dep-CutOff Idle G Svc-SF	TOTAL		\$ 18	\$ 26	\$ 26
1106	50	5514009	Impr Rel/Dep-CutOff Idle G Svc-SI	TOTAL		\$ 7	\$ 7	\$ 7
1107	50	5514010	Impr Rel/Dep-CutOff Idle G Svc-SJ	TOTAL		\$ 96	\$ 142	\$ 142
1108	50	5514011	Impr Rel/Dep-CutOff Idle G Svc-SO	TOTAL		\$ 29	\$ 29	\$ 29
1109	50	5514012	Impr Rel/Dep-CutOff Idle G Svc-ST	TOTAL		\$ 6	\$ 6	\$ 6
1110	50	5514014	IMPR REL/DEP-DEAC ONLY-M/R/V-CC	TOTAL		\$ 23	\$ 23	\$ 23
1111	50	5514016	IMPR REL/DEP-DEAC ONLY-M/R/V-DI	TOTAL		\$ 21	\$ 21	\$ 21
1112	50	5514017	IMPR REL/DEP-DEAC ONLY-M/R/V-EB	TOTAL		\$ 236	\$ 243	\$ 244
1113	50	5514017	IMPR REL/DEP-DEAC ONLY-M/R/V-EB	OTHER		\$ 219	\$ 221	\$ 221
1114	50	5514017	IMPR REL/DEP-DEAC ONLY-M/R/V-EB	30954282		\$ 17	\$ 21	\$ 22
1115	50	5514018	Impr Rel/Dep-Deac Only-M/R/V-FR	TOTAL		\$ 71	\$ 78	\$ 114
1116	50	5514022	IMPR REL/DEP-DEAC ONLY-M/R/V-NB	TOTAL		\$ 196	\$ 196	\$ 202
1117	50	5514023	IMPR REL/DEP-DEAC ONLY-M/R/V-NV	TOTAL		\$ 52	\$ 52	\$ 52
1118	50	5514025	IMPR REL/DEP-DEAC ONLY-M/R/V-SA	TOTAL		\$ 272	\$ 272	\$ 272
1119	50	5514026	IMPR REL/DEP-DEAC ONLY-M/R/V-SF	TOTAL		\$ 172	\$ 312	\$ 312
1120	50	5514027	IMPR REL/DEP-DEAC ONLY-M/R/V-SI	TOTAL		\$ 43	\$ 43	\$ 43

**TABLE 4-2
PACIFIC GAS AND ELECTRIC COMPANY
PROJECTS WITH 2013 EXPENDITURE GREATER THAN \$10,000
AND FORECAST GREATER THAN \$250,000
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	MWC	Project No.	Project No. Description	Order	Redacted	Actuals 7/1-12/31	YTD 2013 Actuals	Order Cost Since Inception
1121	50	5514028	IMPR REL/DEP-DEAC ONLY-M/R/V-SJ	TOTAL		\$ 62	\$ 71	\$ 71
1122	50	5514029	IMPR REL/DEP-DEAC ONLY-M/R/V-SO	TOTAL		\$ 80	\$ 80	\$ 80
1123	50	5514030	IMPR REL/DEP-DEAC ONLY-M/R/V-ST	TOTAL		\$ 12	\$ 12	\$ 12
1124	50	5514031	IMPR REL/DEP-DEAC ONLY-M/R/V-YO	TOTAL		\$ 27	\$ 27	\$ 27
1125	50	5514401	EMERGENT LEAKING MAIN REPL-DI	TOTAL		\$ 322	\$ 322	\$ 322
1126	50	5514401	EMERGENT LEAKING MAIN REPL-DI	OTHER		\$ 0	\$ 0	\$ 0
1127	50	5514401	EMERGENT LEAKING MAIN REPL-DI	31024050		\$ 322	\$ 322	\$ 322
1128	50	5514402	EMERGENT LEAKING MAIN REPL-EB	TOTAL		\$ 25	\$ 25	\$ 25
1129	50	5514403	EMERGENT LEAKING MAIN REPL-FR	TOTAL		\$ 21	\$ 46	\$ 127
1130	50	5514404	EMERGENT LEAKING MAIN REPL-KE	TOTAL		\$ 227	\$ 227	\$ 227
1131	50	5514406	EMERGENT LEAKING MAIN REPL-NB	TOTAL		\$ 435	\$ 448	\$ 448
1132	50	5514406	EMERGENT LEAKING MAIN REPL-NB	OTHER		\$ 33	\$ 47	\$ 47
1133	50	5514406	EMERGENT LEAKING MAIN REPL-NB	31016660		\$ 368	\$ 368	\$ 368
1134	50	5514406	EMERGENT LEAKING MAIN REPL-NB	31006345		\$ 33	\$ 33	\$ 33
1135	50	5514408	EMERGENT LEAKING MAIN REPL-NV	TOTAL		\$ 81	\$ 81	\$ 81
1136	50	5514409	EMERGENT LEAKING MAIN REPL-PN	TOTAL		\$ 8	\$ 8	\$ 8
1137	50	5514410	EMERGENT LEAKING MAIN REPL-SA	TOTAL		\$ 53	\$ 53	\$ 53
1138	50	5514412	EMERGENT LEAKING MAIN REPL-SJ	TOTAL		\$ 9	\$ 9	\$ 9
1139	50	5514413	EMERGENT LEAKING MAIN REPL-SI	TOTAL		\$ 62	\$ 62	\$ 62
1140	50	5514415	EMERGENT LEAKING MAIN REPL-YO	TOTAL		\$ 7	\$ 7	\$ 7
1141	50	5712653	Impr Relb/Sys Depnd-G-Valves - DA	TOTAL		\$ 4	\$ 65	\$ 139
1142	50	5755660	DFM-7225-02 DWNRT 1.94MI MP 0.00-2.42 PH	TOTAL		\$ 2,000	\$ 2,000	\$ 2,000
1143	50	5755661	L-118A TRANSFER 6.15MI MP 0.00-5.86 PH1	TOTAL		\$ 1,338	\$ 1,352	\$ 1,352
1144	50	5755661	L-118A TRANSFER 6.15MI MP 0.00-5.86 PH1	OTHER		\$ 843	\$ 843	\$ 843
1145	50	5755661	L-118A TRANSFER 6.15MI MP 0.00-5.86 PH1	30977207		\$ 14	\$ 14	\$ 14
1146	50	5755661	L-118A TRANSFER 6.15MI MP 0.00-5.86 PH1	30976360		\$ 472	\$ 483	\$ 483
1147	50	5755661	L-118A TRANSFER 6.15MI MP 0.00-5.86 PH1	30976020		\$ 9	\$ 12	\$ 12
1148	52		TOTAL FOR MWC 52			\$ 369	\$ 645	\$ 3,095
1149	52	5500664	REPL PLANT CORR G-CC	TOTAL		\$ 21	\$ 16	\$ 73
1150	52	5500665	REPL PLANT CORR G-DA	TOTAL		\$ -6	\$ 18	\$ 244
1151	52	5500666	REPL PLANT CORR G-DI	TOTAL		\$ 0	\$ 11	\$ 55
1152	52	5500667	REPL PLANT CORR G-EB	TOTAL		\$ 71	\$ 73	\$ 193
1153	52	5500672	REPL PLANT CORR G-KE	TOTAL		\$ 0	\$ 0	\$ 24
1154	52	5500674	REPL PLANT CORR G-MI	TOTAL		\$ 13	\$ 18	\$ 76
1155	52	5500675	REPL PLANT CORR G-NB	TOTAL		\$ 27	\$ 47	\$ 424
1156	52	5500738	REPL PLANT CORR G-NV	TOTAL		\$ 21	\$ 17	\$ 133
1157	52	5500739	REPL PLANT CORR G-PN	TOTAL		\$ -9	\$ 13	\$ 221
1158	52	5500740	REPL PLANT CORR G-SA	TOTAL		\$ 105	\$ 149	\$ 549
1159	52	5500741	REPL PLANT CORR G-SF	TOTAL		\$ 1	\$ -2	\$ 83
1160	52	5500742	REPL PLANT CORR G-SJ	TOTAL		\$ 53	\$ 106	\$ 453
1161	52	5500743	REPL PLANT CORR G-SI	TOTAL		\$ 32	\$ 58	\$ 76
1162	52	5500744	REPL PLANT CORR G-ST	TOTAL		\$ 0	\$ 0	\$ 137
1163	52	5500745	REPL PLANT CORR G-YO	TOTAL		\$ 0	\$ 0	\$ 53
1164	52	5509319	Emerg Resp-G-Dig-Ins - CC	TOTAL		\$ 2	\$ 2	\$ 0
1165	52	5509327	Emerg Resp-G-Dig-Ins - MI	TOTAL		\$ 6	\$ 6	\$ 11
1166	52	5509328	EMERG RESP-G-DIG-INS - NB	TOTAL		\$ -13	\$ -7	\$ 37
1167	52	5509329	EMERG RESP-G-DIG-INS - NV	TOTAL		\$ 1	\$ 8	\$ 16
1168	52	5509331	Emerg Resp-G-Dig-Ins - SA	TOTAL		\$ 24	\$ 100	\$ 224
1169	52	5509332	Emerg Resp-G-Dig-Ins - SF	TOTAL		\$ 18	\$ 18	\$ 0
1170	52	5509333	Emerg Resp-G-Dig-Ins - SI	TOTAL		\$ 0	\$ 0	\$ 0
1171	52	5509334	Emerg Resp-G-Dig-Ins - SJ	TOTAL		\$ 0	\$ -8	\$ 14
1172	74		TOTAL FOR MWC 74			\$ 271	\$ 1,846	\$ 17,157
1173	74	5504499	Res Gas Reg Replacement	TOTAL		\$ 28	\$ 87	\$ 1,052
1174	74	5506019	Non-Res Gas Reg Replacement	TOTAL		\$ 27	\$ 30	\$ 486
1175	74	5512559	GFS GAS MTR REG REPLACEMENT - CC	TOTAL		\$ 119	\$ 174	\$ 420
1176	74	5512560	GFS GAS MTR REG REPLACEMENT - DA	TOTAL		\$ 187	\$ 229	\$ 985
1177	74	5512561	GFS GAS MTR REG REPLACEMENT - DI	TOTAL		\$ 68	\$ 111	\$ 1,569
1178	74	5512562	GFS GAS MTR REG REPLACEMENT - EB	TOTAL		\$ 148	\$ 241	\$ 1,252
1179	74	5512563	GFS GAS MTR REG REPLACEMENT - FR	TOTAL		\$ 35	\$ 62	\$ 471
1180	74	5512564	GFS GAS MTR REG REPLACEMENT - KE	TOTAL		\$ 9	\$ 30	\$ 149
1181	74	5512565	GFS GAS MTR REG REPLACEMENT - MI	TOTAL		\$ 71	\$ 147	\$ 1,475
1182	74	5512566	GFS GAS MTR REG REPLACEMENT - NB	TOTAL		\$ 112	\$ 187	\$ 951
1183	74	5512567	GFS GAS MTR REG REPLACEMENT - NC	TOTAL		\$ 58	\$ 96	\$ 703
1184	74	5512568	GFS GAS MTR REG REPLACEMENT - NV	TOTAL		\$ 77	\$ 212	\$ 494
1185	74	5512569	GFS GAS MTR REG REPLACEMENT - PN	TOTAL		\$ 52	\$ 112	\$ 2,483
1186	74	5512570	GFS GAS MTR REG REPLACEMENT - SA	TOTAL		\$ 48	\$ 129	\$ 1,595
1187	74	5512571	GFS GAS MTR REG REPLACEMENT - SF	TOTAL		\$ 56	\$ 94	\$ 551
1188	74	5512572	GFS GAS MTR REG REPLACEMENT - SI	TOTAL		\$ 24	\$ 55	\$ 388
1189	74	5512573	GFS GAS MTR REG REPLACEMENT - SJ	TOTAL		\$ 183	\$ 284	\$ 1,471
1190	74	5512574	GFS GAS MTR REG REPLACEMENT - ST	TOTAL		\$ 52	\$ 94	\$ 542
1191	74	5512575	GFS GAS MTR REG REPLACEMENT - YO	TOTAL		\$ 44	\$ 100	\$ 749
1192	74	5750784	SCV - MWC 74 Install New Gas Meters	TOTAL		\$ -1,127	\$ -629	\$ -629

5. O&M Spending by Major Work Category

Request

Amount spent during the reporting period, year-to-date, and annual totals on O&M for safety, integrity and reliability.

Response

Table 5-1 provides a summary, by expense MWC, of the spending on gas distribution pipeline safety, reliability and integrity for the period July 1 through December 31, 2013, and 2013 annual totals.

**TABLE 5-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF EXPENSE SPENDING ON O&M FOR SAFETY, INTEGRITY AND RELIABILITY
(IN THOUSANDS OF 2013 DOLLARS)**

MWC	MWC Description	Actuals 7/1 – 12/31/13	2013 Total
DD	Provide Field Service	\$48,607	\$98,294
DE	G Dist Leak Survey	16,043	31,321
DF	G&E T&D Locate and Mark	22,162	43,695
DG	G Dist Cathodic Protection	6,847	13,577
EX	G Dist Meter Protection	522	2,051
FG	G Dist Operate System	5,373	7,982
FH	G Dist Preventive Maint	15,011	31,489
FI	G Dist Corrective Maint	45,439	75,896
GF	G Dist Mapping	2,245	3,851
GG	G Dist Planning & Ops Engineer	5,292	9,256
HY	Change/Maint Used Gas Meters	6,572	15,128
JQ/JS	G Dist Integrity Management	15,934	27,574
Gas Distribution Expense		\$190,046	\$360,113

6. Comparison of Settlement Agreement Allocations to Actual Spending

Request

Comparison of amounts spent on capital projects and O&M to Settlement Agreement allocation, showing remaining balance or amount spent in excess of allocation.

Response

Table 6-1 repeats the information found in Table 2-1 (Settlement Agreement Allocation), Table 3-1 (Budget), and Table 5-1 (Actuals) and shows the difference between total 2013 spending and the total 2013 Settlement Agreement allocations for O&M MWCs. Table 6-2 repeats the information found in Table 2-2 (Settlement Agreement Allocation), Table 3-2 (Budget), and Table 4-1 (Actuals) and shows the difference between total 2013 spending and the total 2013 Settlement Agreement allocations for capital MWCs.

TABLE 6-1
PACIFIC GAS AND ELECTRIC COMPANY
COMPARISON OF O&M SPENDING TO SETTLEMENT AGREEMENT ALLOCATION
(IN THOUSANDS OF 2013 DOLLARS)

MWC	MWC Description	Budget	Settlement Agreement Allocation	2013 Totals	Variance Between Allocation and Actuals
DD	Provide Field Service	\$85,505	\$75,242	\$98,294	\$23,052
DE	G Dist Leak Survey	25,236	16,425	31,321	14,896
DF	G&E T&D Locate and Mark	32,028	31,723	43,695	11,971
DG	G Dist Cathodic Protection	12,652	11,412	13,577	2,165
EX	G Dist Meter Protection	10,368	1,273	2,051	778
FG	G Dist Operate System	11,619	4,185	7,982	3,797
FH	G Dist Preventive Maint	19,793	17,955	31,489	13,534
FI	G Dist Corrective Maint	69,432	37,827	75,896	38,069
GF	G Dist Mapping	2,000	1,697	3,851	2,154
GG	G Dist Planning & Ops Engineer	7,659	3,246	9,256	6,010
HY	Change/Maint Used Gas Meters	11,881	n/a	15,128	15,128
JQ/JS	G Dist Integrity Mgt	32,978	20,500	27,574	7,074
Gas Distribution Expense		\$321,152	\$221,485	\$360,113	\$138,628

TABLE 6-2
PACIFIC GAS AND ELECTRIC COMPANY
COMPARISON OF CAPITAL SPENDING TO SETTLEMENT AGREEMENT ALLOCATION
(IN THOUSANDS OF 2013 DOLLARS)

MWC	MWC Description	Budget	Settlement Agreement Allocation	2013 Totals	Variance Between Allocation and Actuals
14	G Dist Pipeline Repl Program	\$193,714	\$123,266	\$202,432	\$79,166
27	Gas Meter Protection-Capital	993	593	4,199	3,606
2J	GT&D Impl Regulatory Change	3,500	n/a	1,716	1,716
2K	G Dist Repl/Convert Cust HPR	49,660	n/a	40,064	40,064
47	G Dist Capacity	39,529	12,760	20,041	7,281
4A	G Dist Ctrl Operations Assets	25,922	n/a	28,908	28,908
50	G Dist Reliability General	75,133	20,660	132,844	112,184
52	G Dist Leak Repl/Emergency	596	264	645	381
74	Install New Gas Meters	12,812	n/a	1,846	1,846
Gas Distribution Capital		\$401,859	\$157,543	\$432,695	\$275,152

7. Capital Project Status

Request

Identify and describe capital projects and O&M work that has been started and completed during reporting period including completion date and report on the status of work-in-progress.

Response

Table 7-1 includes all O&M MWCs, showing, where applicable, work that is measured in units. Where possible, the table includes unit and dollar amounts for the 2013 budget, the actual data for this reporting period, as well as a comparison (in percentage form) of the completed units compared to the budgeted units. All work in this table reflects the plan for 2013.

Table 7-2 identifies the status of capital projects. The construction of a number of projects reflected in Table 7-2 was completed before the reporting period; however, since the project recorded more than \$10,000 in expenditures (i.e., trailing costs and adjustments) during this reporting period, these projects are also included in the table. The projects in Table 7-2 show, as applicable, (i) a planned construction start date; (ii) an actual construction start date for those projects that have started construction; (iii) a forecasted finish construction date; and (iv) an actual finished construction date for those projects that are complete.

Capital projects may be in one of six stages of progress: Complete, Documentation, Construction, Pre-Construction, Design, and Cancelled. Figure 7-1 explains the definition of each status, as well as the number of projects in each status that are addressed in this report.

**FIGURE 7-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT STAGE DEFINITION**

Status	Description	Number of Projects
Cancelled	Projects that have been cancelled since the last report.	2
Complete	Projects that do not expect to have any more construction labor charges and have documentation completed.	147
Documentation	Projects that do not anticipate any more construction charges but still require documentation, such as as-builts and job closure documents.	133
Construction	Projects that are currently being constructed.	118
Pre-Construction	Projects that are being evaluated for financial authorization or pending third-party permits.	136
Design	Projects that are currently being engineered or estimated.	64
	Total	600

Note:

Projects can transition from complete to documentation if additional job closure documents are discovered after the project has been completed.

**TABLE 7-1
PACIFIC GAS AND ELECTRIC COMPANY
GAS DISTRIBUTION O&M PROGRESS BY CATEGORY
(IN NOMINAL 2013 DOLLARS)**

Line No.	Work Category	Unit of Measure	2013 Budget		2013 Actual 1/1/2013 - 6/30/2013		2013 Actual 7/1/2013 - 12/31/2013		2013 YTD Actuals	
			Units	Budget	Units	Actual	Units	Actual	Units	Actual
1	Appliance Adjustments	Service Tickets	10,308	\$ 1,485,000	7,053	\$ 1,043,000	4,397	\$ 771,559	11,450	\$ 1,814,559
2	Gas Fumigation Activity	Service Tickets	26,939	\$ 3,747,000	15,936	\$ 2,427,000	18,120	\$ 2,766,083	34,056	\$ 5,193,083
3	Gas Leaks & Emergencies	Service Tickets	158,020	\$ 36,446,000	87,889	\$ 20,415,000	87,336	\$ 20,101,820	175,225	\$ 40,516,820
4	Gas Start	Service Tickets	65,858	\$ 12,626,000	34,590	\$ 6,986,000	36,798	\$ 7,413,160	71,388	\$ 14,399,160
5	Gas Stop	Service Tickets	106,596	\$ 7,388,000	63,611	\$ 4,916,000	59,400	\$ 4,536,931	123,011	\$ 9,452,931
6	Pilot Relight	Service Tickets	175,231	\$ 23,813,000	78,973	\$ 11,504,000	136,463	\$ 18,387,421	215,436	\$ 29,891,421
7	Field Services: Other	Service Tickets	-	\$ -	n/a	\$ 2,396,000	n/a	\$ (5,369,649)	n/a	\$ (2,973,649)
8	MWC DD Total			\$ 85,505,000		\$ 49,687,000		\$ 48,607,324		\$ 98,294,324
9	Leak Survey	Services Surveyed	825,829	\$ 13,402,443	492,604	\$ 10,240,000	368,891	\$ 9,465,450	861,495	\$ 19,720,412
10	Special Leak Survey	Miles Surveyed	18	\$ 930,755	364	\$ 422,000	29	\$ 365,132	393	\$ 787,132
11	Downgrade No Repair	Services Surveyed	2,458	\$ 2,819,547	3,243	\$ 1,669,000	5,430	\$ 3,327,419	8,673	\$ 4,996,419
12	Rechecks	# of rechecks performed	8,614	\$ 2,606,957	3,832	\$ 808,000	3,419	\$ 547,858	7,251	\$ 1,355,858
13	Customer Calls	# of Customer Calls	4,737	\$ 1,776,617	2,308	\$ 1,037,000	2,500	\$ 675,412	4,808	\$ 1,711,241
14	Picarro Rollout	Services Surveyed	-	\$ -	-	\$ -	-	\$ -	-	\$ -
15	Picarro Special Survey	# of facility site visits	-	\$ -	-	\$ -	-	\$ (510)	-	\$ (510)
16	Leak Survey Other	n/a	n/a	\$ 3,699,000	n/a	\$ 1,087,000	n/a	\$ 1,662,000	n/a	\$ 2,750,000
17	MWC DE Total			\$ 25,235,319		\$ 15,263,000		\$ 16,042,762		\$ 31,320,553
18	Mark & Locate	USA Tags	369,569	\$ 29,804,000	178,434	\$ 19,700,000	190,297	\$ 19,871,915	368,731	\$ 39,571,915
19	Mark & Locate Standby	# of sites requiring a standby	16	\$ 1,123,000	1,356	\$ 915,000	1,529	\$ 1,086,046	2,885	\$ 2,001,046
20	Other	n/a	n/a	\$ 1,101,000	n/a	\$ 946,000	n/a	\$ 1,204,000	n/a	\$ 2,122,000
21	MWC DF Total			\$ 32,028,000		\$ 21,561,000		\$ 22,161,961		\$ 43,694,961
22	Cathodic Protection - Monitoring	# of monitoring points read (P/S reads)	51,691	\$ 2,800,000	26,062	\$ 1,651,000	25,873	\$ 1,553,226	51,935	\$ 3,204,226
23	Cathodic Protection-Troubleshoot	# of CPA's troubleshoot	3,754	\$ 5,077,000	1,931	\$ 3,262,000	2,694	\$ 3,586,400	4,625	\$ 6,852,773
24	Cathodic Protection - Rectifier Maintenance	# of Rectifiers Maintained	4,235	\$ 717,000	2,477	\$ 483,000	1,436	\$ 298,389	3,913	\$ 781,789
25	Cath Protect - Resurvey	# of CPA's resurveyed	520	\$ 1,781,000	178	\$ 646,000	283	\$ 818,832	461	\$ 1,464,832
26	Isolated Steel Service Evaluation	# of Isolated Services Tested fo CP	12,187	\$ 1,300,000	3,600	\$ 650,000	2,196	\$ 539,300	5,796	\$ 1,188,074
27	Other	n/a	n/a	\$ 977,000	-	\$ 34,000	-	\$ 50,400	-	\$ 85,656
28	MWC DG Total			\$ 12,652,000		\$ 6,726,000		\$ 6,846,547		\$ 13,577,350
29	MPP Inspections	# of Inspections	-	\$ -	2,458	\$ 73,000	643	\$ 11,000	3,101	\$ 53,400
30	MPP Protections	# of Locations	-	\$ 1,605,000	1,434	\$ 985,000	201	\$ 438,000	1,635	\$ 1,455,000
31	MPP - Service Valves	# of Valves Installed	3,500	\$ 8,763,000	126	\$ 470,000	1,041	\$ 73,221	1,167	\$ 543,000
32	Other			\$ -		\$ -		\$ -		\$ -
33	MWC EX Total			\$ 10,368,000		\$ 1,528,000		\$ 522,221		\$ 2,051,400
34	Gas Distribution Control Center	n/a	7	\$ 7,338,000	n/a	\$ 253,000	n/a	\$ 3,184,000	n/a	\$ 3,469,029
35	Gas System Maintenance (Mains and Services)	# of charts changed	28,774	\$ 2,538,000	10,433	\$ 1,472,000	9,990	\$ 1,508,000	20,423	\$ 2,964,648
36	Gas System Operations (Regulators)	# of operations performed	3,894	\$ 1,088,000	4,574	\$ 867,000	6,272	\$ 681,000	10,846	\$ 1,548,248
37	Gas System Ops Other	n/a	-	\$ 655,000	n/a	\$ 32,000	n/a	\$ -	n/a	\$ -
38	MWC FG Total			\$ 11,619,000		\$ 2,624,000		\$ 5,373,000		\$ 7,981,925

**TABLE 7-1
PACIFIC GAS AND ELECTRIC COMPANY
GAS DISTRIBUTION O&M PROGRESS BY CATEGORY
(IN NOMINAL 2013 DOLLARS)
(CONTINUED)**

Line No.	Work Category	Unit of Measure	2013 Budget		2013 Actual 1/1/2013 - 6/30/2013		2013 Actual 7/1/2013 - 12/31/2013		2013 YTD Actuals	
			Units	Budget	Units	Actual	Units	Actual	Units	Actual
39	Preventative Maintenance - Mains	Feet of Main Maintained	1,712	\$ 1,437,000	2,254	\$ 1,446,000	1,963	\$ 1,434,400	4,217	\$ 2,875,300
40	Preventative Maintenance- Reg Stations	# of Reg Station runs inspected	3,951	\$ 5,627,000	2,046	\$ 3,586,000	1,843	\$ 2,231,450	3,889	\$ 5,817,331
41	Preventative Maintenance - Farm Tap	# of Inspections	-	-	-	\$ 25,000	795	\$ 281,404	795	\$ 306,404
42	Preventative Maintenance - Services	# Services Repaired	1,460	\$ 2,708,600	1,207	\$ 2,332,000	2,327	\$ 2,463,480	3,534	\$ 4,799,400
43	Preventative Maintenance - Valves	# of Valves maintained	6,067	\$ 1,200,600	3,448	\$ 785,000	2,639	\$ 574,390	6,087	\$ 1,356,271
44	Corrective Maintenance - Service Valves	# of valves replaced	11,610	\$ 2,115,000	8,115	\$ 1,429,000	7,691	\$ 1,080,400	15,806	\$ 2,420,490
45	Gas Non-Recurring Projects	n/a	n/a	\$ 1,777,000	n/a	\$ 366,000	n/a	\$ 331,000	n/a	\$ 808,250
46	Atmospheric Corrosion Monitoring	# Locations Inspected	1,096,288	\$ 3,528,000	924,914	\$ 4,225,000	43,460	\$ 4,143,350	968,374	\$ 8,375,380
47	Atmospheric Corrosion Main Replacement	Feet of Main Repaired	-	-	-	\$ 214,000	5	\$ 280,200	5	\$ 494,350
48	Atmospheric Corrosion Service Replacements	# Services Repaired	-	-	11	\$ 61,000	6	\$ 31,000	17	\$ 91,410
49	Atmospheric Corrosion Reg Station Repairs	# of Reg Stations Repaired	-	-	28	\$ 545,000	33	\$ 326,000	61	\$ 1,005,480
50	Other	n/a	n/a	\$ 1,400,000	n/a	\$ 1,304,000	n/a	\$ 1,834,000	n/a	\$ 3,138,460
51	MWC FH Total			\$ 19,793,200		\$ 16,318,000		\$ 15,011,074		\$ 31,488,526
52	Corrective Maintenance- Reg Stations	# of Reg Station repairs	1,421	\$ 2,880,000	880	\$ 1,789,000	1,057	\$ 1,388,000	1,937	\$ 3,001,826
53	Corrective Maintenance - Farm Tap	# Leak Repairs	-	-	2	\$ 10,000	55	\$ 97,000	57	\$ 115,520
54	Corrective Maintenance - Main Valves	# of Valves repaired	295	\$ 809,000	137	\$ 548,000	99	\$ 356,703	236	\$ 861,703
55	Corrective Maintenance - Main Leaks	# of Main Leaks Repaired	4,076	\$ 21,766,000	1,468	\$ 9,340,000	2,248	\$ 19,631,000	3,716	\$ 29,362,507
56	Corrective Maintenance - Service Leaks - Above Ground	# Service Leak Repairs_Above Ground	22,464	\$ 11,685,000	16,318	\$ 3,300,000	7,977	\$ 5,440,382	24,295	\$ 8,685,382
57	Corrective Maintenance - Cathodic Protection	# of corrosion tags cleared	1,503	\$ 2,707,000	725	\$ 1,950,000	977	\$ 2,704,923	1,702	\$ 4,652,523
58	Corrective Maintenance - Main Dig-ins	# of Main dig-ins Repaired	324	\$ 347,000	106	\$ 292,000	145	\$ 9,141	251	\$ 301,141
59	Corrective Maintenance - Service Dig-ins	# of Service Dig-ins Repaired	1,476	\$ 842,000	725	\$ 872,000	905	\$ (360,000)	1,630	\$ 511,475
60	Gas Overbuilds	# of Projects	18	\$ 2,538,000	39	\$ 737,000	42	\$ 831,058	81	\$ 1,568,058
61	Corrective Maintenance - Service Leaks - Below Ground	# Service Leak Repairs_Below Ground	8,664	\$ 22,758,000	3,056	\$ 9,322,000	3,208	\$ 13,438,438	6,264	\$ 22,530,038
62	Other	n/a	n/a	\$ 3,100,400	n/a	\$ 2,467,000	n/a	\$ 1,902,000	n/a	\$ 4,306,000
63	MWC FI Total			\$ 69,432,400		\$ 30,627,000		\$ 45,438,645		\$ 75,896,172
64	Gas Mapping	n/a	n/a	\$ 2,000,000		\$ 1,606,000		\$ 2,245,000		\$ 3,851,000
65	MWC GF Total			\$ 2,000,000		\$ 1,606,000		\$ 2,245,000		\$ 3,851,000
66	General	n/a	n/a	\$ 7,659,400				\$ 5,259,399		\$ 9,185,600
67	Gas Planning	n/a	n/a	\$ -				\$ 32,451		\$ 70,641
68	MWC GG Total			\$ 7,659,400		\$ -		\$ 5,291,850		\$ 9,256,241
69	Leak Survey Meter Repair	# of Meters Repaired	80,993	\$ 11,648,000	47,222	\$ 7,478,000	30,255	\$ 5,115,903	77,477	\$ 12,593,903
70	G Meter Atmospheric Corrosion	# of Meters Repaired	3,831	\$ 233,000	10,472	\$ 806,000	13,700	\$ 1,113,724	24,172	\$ 1,919,724
71	Other			\$ -	n/a	\$ 272,000	n/a	\$ 342,000	n/a	\$ 614,000
72	MWC HY Total			\$ 11,881,000		\$ 8,556,000		\$ 6,571,627		\$ 15,127,627
73	Distribution Integrity Management	n/a	n/a	\$ 32,978,400		\$ 11,641,000	n/a	\$ 15,934,000	n/a	\$ 27,575,000
74	MWC JQ/JS Total			\$ 32,978,400		\$ 11,641,000		\$ 15,934,000		\$ 27,575,000
	MWC HY was allocated dollars after the beginning of the year budget was established.									

**TABLE 7-2
PACIFIC GAS AND ELECTRIC COMPANY
STATUS OF CAPITAL PROJECTS**

Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
1	Cancelled	30945586		1/2/2014	N/A	N/A	6/27/2014
2	Cancelled	30955335		3/27/2013	N/A	N/A	11/8/2013
3	Complete	30887591		1/14/2013	1/3/2013	1/31/2013	3/29/2013
4	Complete	30887592		6/4/2012	6/20/2012	9/10/2012	9/21/2012
5	Complete	30881405		8/6/2012	8/7/2012	1/16/2013	12/28/2012
6	Complete	30967075		4/15/2013	4/16/2013	6/18/2013	6/10/2013
7	Complete	30837951		6/4/2012	4/20/2011	8/21/2012	1/18/2013
8	Complete	30827449		4/16/2012	3/29/2012	10/11/2012	8/31/2012
9	Complete	30817483		5/14/2012	7/30/2012	8/18/2012	7/31/2012
10	Complete	30942110		2/4/2013	1/8/2013	5/1/2013	5/2/2013
11	Complete	30829739		1/14/2013	2/4/2013	6/12/2013	5/31/2013
12	Complete	30861549		1/1/2012	11/1/2011	1/11/2013	12/30/2012
13	Complete	30867720		9/3/2012	10/3/2012	11/2/2012	12/26/2012
14	Complete	30868408		8/27/2012	9/9/2012	10/10/2012	12/31/2012
15	Complete	30869181		7/1/2013	7/3/2012	11/16/2012	12/31/2013
16	Complete	30878470		4/9/2012	1/13/2012	5/6/2012	11/30/2012
17	Complete	30878471		5/1/2012	9/17/2012	10/24/2012	12/31/2012
18	Complete	30881526		4/23/2012	3/8/2012	3/18/2013	12/27/2012
19	Complete	30881563		6/13/2012	6/11/2012	12/12/2012	12/31/2012
20	Complete	30881570		5/29/2012	6/4/2012	12/31/2012	9/13/2013
21	Complete	30882935		7/2/2012	8/16/2012	1/3/2013	12/31/2012
22	Complete	30882937		4/30/2012	4/20/2012	10/23/2012	12/30/2012
23	Complete	30882938		11/26/2012	10/10/2012	11/14/2012	5/31/2013
24	Complete	30884470		8/6/2012	8/1/2012	12/31/2012	12/31/2012
25	Complete	30932625		7/24/2012	10/12/2012	11/30/2012	12/1/2012
26	Complete	30896292		10/1/2012	5/8/2012	4/15/2013	4/15/2013
27	Complete	30902399		10/10/2012	10/11/2012	1/28/2013	12/31/2012
28	Complete	30902573		8/13/2012	7/27/2012	11/13/2012	10/26/2012
29	Complete	30830105		6/17/2011	11/26/2012	2/20/2013	12/28/2012
30	Complete	30946017		3/20/2013	2/7/2013	5/20/2013	5/23/2013
31	Complete	30908582		10/29/2012	10/16/2012	1/9/2013	12/31/2012
32	Complete	30909341		10/24/2012	10/25/2012	2/19/2013	12/31/2012
33	Complete	30983855		4/15/2013	3/25/2013	6/18/2013	6/10/2013
34	Complete	30904365		10/9/2012	7/14/2012	12/13/2012	3/1/2013
35	Complete	30922902		12/11/2012	10/11/2012	1/3/2013	10/31/2012
36	Complete	30882885		6/18/2012	6/12/2012	8/15/2012	7/6/2012
37	Complete	30891626		9/26/2012	9/10/2012	12/18/2012	10/26/2012
38	Complete	30890582		7/31/2012	6/5/2012	11/14/2012	11/30/2012
39	Complete	30879736		10/1/2012	5/2/2012	3/6/2013	2/2/2013
40	Complete	30810188		7/6/2011	10/21/2010	9/30/2011	9/30/2011
41	Complete	30882128		10/22/2012	10/29/2012	2/4/2013	12/21/2012
42	Complete	30944440		3/1/2013	2/15/2013	3/18/2013	3/22/2013
43	Complete	30881202		3/1/2012	5/15/2012	5/20/2012	12/31/2012
44	Complete	30881213		4/1/2012	5/1/2012	6/5/2012	12/27/2012
45	Complete	30881215		3/1/2012	5/1/2012	12/12/2012	11/30/2012
46	Complete	30883821		1/2/2013	12/29/2011	5/14/2013	7/31/2013
47	Complete	30941191		4/24/2013	2/20/2013	4/26/2013	10/28/2013
48	Complete	30941194		2/25/2013	2/11/2013	5/6/2013	6/30/2013
49	Complete	30881612		9/21/2012	8/28/2012	5/3/2013	10/18/2012
50	Complete	30784977		7/10/2012	3/17/2011	2/22/2013	12/13/2012
51	Complete	30892858		6/18/2012	6/20/2012	3/12/2013	2/1/2013
52	Complete	30855411		4/2/2012	6/9/2011	11/28/2012	9/28/2012
53	Complete	30959390		7/1/2013	12/9/2012	6/5/2013	9/25/2013
54	Complete	30886841		8/13/2012	3/23/2012	2/20/2013	2/13/2013
55	Complete	30938237		9/24/2012	8/15/2012	3/4/2013	2/7/2013
56	Complete	30844594		7/16/2012	7/7/2012	9/24/2012	3/11/2013
57	Complete	30873881		3/4/2013	1/17/2013	3/25/2013	5/17/2013
58	Complete	30851943		4/2/2012	10/19/2012	1/29/2013	1/29/2013
59	Complete	30854257		8/6/2012	8/18/2012	11/5/2012	11/2/2012
60	Complete	30854366		5/8/2013	5/8/2013	7/1/2013	6/28/2013
61	Complete	30957096		4/29/2013	2/5/2013	7/2/2013	6/7/2013
62	Complete	30878698		7/2/2012	7/7/2012	9/27/2012	10/31/2012
63	Complete	30868409		3/1/2012	4/24/2012	11/15/2012	12/27/2012
64	Complete	30881562		10/4/2011	5/1/2012	11/2/2012	12/31/2012
65	Complete	30918735		8/6/2012	7/14/2012	10/24/2012	11/20/2012
66	Complete	30928139		6/7/2012	6/26/2012	11/26/2012	11/26/2012
67	Complete	30902444		6/18/2012	9/28/2012	2/1/2013	11/30/2012
68	Complete	30676477		10/1/2011	9/4/2009	1/27/2012	12/30/2011
69	Complete	30813671		6/6/2011	4/28/2011	2/15/2013	10/28/2011
70	Complete	30956569		7/8/2013	7/8/2013	9/27/2013	12/31/2013

**TABLE 7-2
PACIFIC GAS AND ELECTRIC COMPANY
STATUS OF CAPITAL PROJECTS
(CONTINUED)**

Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
71	Complete	30988125		2/13/2013	8/5/2013	10/21/2013	10/31/2013
72	Complete	30956937		7/8/2013	6/26/2013	12/23/2013	12/5/2013
73	Complete	30950509		6/21/2013	7/8/2013	8/29/2013	12/31/2013
74	Complete	30951496		10/28/2013	7/9/2013	12/12/2013	12/31/2013
75	Complete	30941506		7/5/2013	7/8/2013	12/2/2013	10/31/2013
76	Complete	30949265		7/8/2013	7/3/2013	9/10/2013	9/4/2014
77	Complete	30950734		7/8/2013	6/27/2013	9/23/2013	12/31/2014
78	Complete	30951516		8/23/2013	8/22/2013	10/29/2013	12/27/2013
79	Complete	30990571		10/17/2013	7/24/2013	10/22/2013	12/2/2013
80	Complete	30840277		9/12/2011	6/4/2011	2/1/2012	2/1/2012
81	Complete	30970947		9/11/2013	6/3/2013	12/11/2013	11/21/2013
82	Complete	30956476		7/8/2013	7/5/2013	9/4/2013	12/31/2013
83	Complete	30916076		1/2/2013	9/4/2012	7/19/2013	4/30/2013
84	Complete	30940200		4/8/2013	4/1/2013	7/19/2013	6/30/2013
85	Complete	30956939		7/16/2013	1/7/2013	11/3/2013	12/20/2013
86	Complete	30977840		5/13/2013	5/8/2013	11/17/2013	10/30/2013
87	Complete	30951494		5/15/2013	4/11/2013	12/21/2013	8/30/2013
88	Complete	30949396		1/1/2013	4/1/2013	9/5/2013	12/31/2013
89	Complete	30951513		3/1/2013	6/28/2013	12/15/2013	11/13/2013
90	Complete	30944838		4/12/2013	4/1/2013	7/26/2013	9/24/2013
91	Complete	30946019		5/13/2013	4/24/2013	8/23/2013	9/26/2013
92	Complete	30987010		7/9/2013	4/30/2013	12/16/2013	12/31/2013
93	Complete	30755088		7/15/2013	7/30/2013	8/22/2013	9/10/2013
94	Complete	30959474		9/26/2013	6/27/2013	10/30/2013	9/26/2013
95	Complete	30890136		4/1/2013	5/10/2013	7/18/2013	8/30/2013
96	Complete	30890141		5/13/2013	5/16/2013	9/3/2013	8/12/2013
97	Complete	30899876		2/19/2013	11/20/2012	10/11/2013	5/10/2013
98	Complete	30961468		8/20/2013	3/12/2013	12/2/2013	12/31/2013
99	Complete	30874152		6/1/2012	10/23/2012	12/27/2012	12/31/2012
100	Complete	30889978		11/14/2012	8/1/2012	1/25/2013	2/28/2013
101	Complete	30969454		4/29/2013	4/8/2013	5/15/2013	7/23/2013
102	Complete	30881539		6/11/2012	7/13/2012	11/27/2012	12/31/2012
103	Complete	30881560		6/1/2012	5/31/2012	6/1/2012	2/22/2013
104	Complete	30884478		12/24/2012	12/10/2012	3/29/2013	4/30/2013
105	Complete	30941192		5/30/2013	3/13/2013	3/20/2013	6/27/2013
106	Complete	30949411		4/6/2013	4/1/2013	5/6/2013	5/31/2013
107	Complete	30949412		3/22/2013	6/3/2013	6/29/2013	7/26/2013
108	Complete	30951510		3/1/2013	2/19/2013	4/15/2013	5/20/2013
109	Complete	30880691		3/19/2013	3/19/2013	3/19/2013	9/23/2013
110	Complete	30952103		2/20/2013	1/15/2013	1/31/2013	4/8/2013
111	Complete	30922952		10/29/2012	9/10/2012	11/7/2012	12/28/2012
112	Complete	30945463		2/14/2013	12/21/2012	3/9/2013	4/17/2013
113	Complete	30952005		3/1/2013	11/26/2012	5/1/2013	7/15/2013
114	Complete	30927256		11/1/2012	9/17/2012	6/27/2013	5/8/2013
115	Complete	30876489		10/22/2012	8/24/2012	1/25/2013	11/25/2013
116	Complete	30889856		6/18/2012	7/23/2012	3/29/2013	10/26/2012
117	Complete	30928111		2/11/2013	12/7/2012	3/20/2013	5/2/2013
118	Complete	30790056		7/2/2012	3/31/2011	10/1/2012	1/18/2013
119	Complete	30881208		1/28/2012	1/14/2013	1/31/2013	3/9/2013
120	Complete	30879258		12/17/2012	5/9/2012	3/20/2013	3/28/2013
121	Complete	30880964		3/21/2013	1/3/2013	3/20/2013	5/16/2013
122	Complete	30871984		4/9/2012	9/23/2011	11/26/2012	10/7/2013
123	Complete	30861388		2/1/2013	11/28/2011	4/24/2013	6/28/2013
124	Complete	30898005		7/30/2012	2/17/2012	1/11/2013	8/31/2012
125	Complete	30911415		6/4/2012	6/1/2012	10/29/2012	1/18/2013
126	Complete	30911418		3/4/2013	3/29/2013	5/9/2013	6/28/2013
127	Complete	30907824		4/5/2013	3/27/2013	4/19/2013	5/24/2013
128	Complete	30907825		3/25/2013	3/30/2013	5/14/2013	6/3/2013
129	Complete	30907826		12/10/2012	1/8/2013	1/9/2013	2/15/2013
130	Complete	30923351		4/8/2013	5/25/2012	5/10/2013	5/9/2013
131	Complete	30892216		5/7/2012	5/15/2012	2/6/2013	1/18/2013
132	Complete	30847262		5/29/2012	8/27/2012	10/17/2012	5/3/2013
133	Complete	30873848		2/18/2013	1/24/2013	1/24/2013	4/12/2013
134	Complete	30873884		4/29/2013	5/20/2013	7/1/2013	12/6/2013
135	Complete	30851911		4/2/2012	4/21/2012	5/21/2012	6/29/2012
136	Complete	30854367		3/4/2013	3/14/2013	3/14/2013	6/27/2013
137	Complete	30854370		4/1/2013	7/26/2012	4/13/2013	7/4/2013
138	Complete	30854377		2/11/2013	2/9/2013	3/28/2013	3/28/2013
139	Complete	30854378		3/11/2013	3/28/2013	4/23/2013	6/28/2013
140	Complete	30854386		1/7/2013	6/18/2012	10/26/2012	5/31/2013
141	Complete	30854540		1/21/2013	12/28/2012	2/25/2013	2/26/2013
142	Complete	30907823		4/8/2013	4/30/2013	6/5/2013	9/10/2013

**TABLE 7-2
PACIFIC GAS AND ELECTRIC COMPANY
STATUS OF CAPITAL PROJECTS
(CONTINUED)**

Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
143	Complete	30956473		7/8/2013	7/18/2013	10/2/2013	12/31/2013
144	Complete	30931484		5/25/2013	3/19/2013	6/12/2013	12/6/2013
145	Complete	30880292		7/2/2013	4/8/2013	12/24/2013	12/31/2013
146	Complete	30841258		10/16/2012	1/30/2012	2/27/2013	12/28/2012
147	Complete	30929094		8/1/2012	9/6/2012	9/25/2012	10/15/2012
148	Complete	30926778		10/15/2012	9/14/2012	4/16/2013	12/31/2012
149	Complete	30868411		5/4/2012	4/13/2012	5/29/2012	12/30/2012
150	Construction	30943888		8/20/2013	3/15/2013	N/A	12/27/2013
151	Construction	30956564		8/1/2013	5/24/2013	N/A	12/31/2013
152	Construction	30883123		11/13/2012	11/13/2012	N/A	12/31/2012
153	Construction	30884479		3/20/2013	2/5/2013	N/A	7/19/2013
154	Construction	30941193		3/11/2013	3/5/2013	N/A	7/31/2013
155	Construction	30959466		5/30/2013	4/29/2013	N/A	12/31/2013
156	Construction	30950086		4/29/2013	4/1/2013	N/A	11/1/2013
157	Construction	30961375		4/30/2013	4/18/2013	N/A	12/31/2013
158	Construction	30961376		4/8/2013	4/1/2013	N/A	12/31/2013
159	Construction	30952262		6/11/2013	6/4/2013	N/A	12/31/2013
160	Construction	30955225		5/22/2013	5/7/2013	N/A	10/3/2013
161	Construction	30963032		7/29/2013	6/5/2013	N/A	9/30/2013
162	Construction	30938895		7/5/2013	2/5/2013	N/A	11/15/2013
163	Construction	30885000		9/4/2012	12/14/2012	N/A	9/30/2013
164	Construction	30904325		6/10/2013	5/9/2012	N/A	9/16/2014
165	Construction	30967910		1/2/2014	12/23/2013	N/A	4/3/2014
166	Construction	30973176		12/10/2013	12/2/2013	N/A	10/6/2014
167	Construction	30993299		11/25/2013	5/6/2013	N/A	12/23/2014
168	Construction	30944357		6/3/2013	4/16/2013	N/A	1/31/2014
169	Construction	30944380		12/2/2013	5/23/2013	N/A	2/21/2014
170	Construction	30966781		1/6/2014	1/31/2013	N/A	5/6/2014
171	Construction	30948863		11/4/2013	3/12/2013	N/A	12/26/2013
172	Construction	30945051		9/12/2013	8/13/2013	N/A	2/27/2014
173	Construction	30956932		10/14/2013	8/2/2013	N/A	12/31/2013
174	Construction	30956934		7/29/2013	7/24/2013	N/A	5/5/2014
175	Construction	30956936		10/1/2013	7/8/2013	N/A	3/11/2014
176	Construction	30956938		11/4/2013	10/31/2013	N/A	11/19/2014
177	Construction	30957041		11/4/2013	7/17/2013	N/A	1/10/2014
178	Construction	30977843		8/17/2013	8/16/2013	N/A	1/31/2014
179	Construction	30977846		10/14/2013	9/24/2013	N/A	12/31/2013
180	Construction	30977847		11/12/2013	11/8/2013	N/A	2/28/2014
181	Construction	30977848		9/12/2013	8/12/2013	N/A	5/29/2014
182	Construction	30998056		1/2/2014	12/19/2013	N/A	4/24/2014
183	Construction	30998128		1/2/2014	12/19/2013	N/A	7/7/2014
184	Construction	31000363		1/2/2014	8/2/2013	N/A	4/14/2014
185	Construction	31012252		1/2/2014	12/31/2013	N/A	2/7/2014
186	Construction	30948396		1/2/2014	4/11/2013	N/A	2/4/2014
187	Construction	30941508		1/2/2014	12/27/2013	N/A	3/21/2014
188	Construction	30956935		8/5/2013	7/28/2013	N/A	3/28/2014
189	Construction	30931462		1/7/2014	12/11/2013	N/A	8/11/2014
190	Construction	30931489		10/15/2013	4/15/2013	N/A	5/2/2016
191	Construction	30931583		10/26/2013	10/21/2013	N/A	12/31/2014
192	Construction	30931585		12/5/2014	4/12/2013	N/A	10/12/2015
193	Construction	30931587		10/18/2013	9/24/2013	N/A	2/6/2014
194	Construction	30949275		10/21/2013	8/12/2013	N/A	12/31/2014
195	Construction	30950934		1/2/2014	9/13/2013	N/A	12/31/2014
196	Construction	30957905		7/8/2013	10/12/2013	N/A	12/31/2013
197	Construction	30950518		6/3/2013	8/5/2013	N/A	10/30/2013
198	Construction	30921135		8/6/2013	7/23/2013	N/A	3/31/2014
199	Construction	30946163		11/8/2013	10/14/2013	N/A	12/31/2013
200	Construction	30946164		4/23/2013	10/18/2013	N/A	2/14/2014
201	Construction	30946165		8/1/2013	11/12/2013	N/A	12/31/2013
202	Construction	30982655		1/2/2014	N/A	N/A	7/23/2014
203	Construction	30918762		1/6/2014	12/17/2013	N/A	6/25/2014
204	Construction	30949998		1/6/2014	12/19/2013	N/A	7/4/2014
205	Construction	30949999		1/6/2014	12/23/2013	N/A	6/26/2014
206	Construction	30950085		1/6/2014	1/4/2014	N/A	9/30/2014
207	Construction	30967354		1/6/2014	12/18/2013	N/A	6/30/2014
208	Construction	30996902		1/6/2014	12/23/2013	N/A	12/31/2014
209	Construction	30948866		1/6/2014	1/7/2014	N/A	12/12/2014
210	Construction	30944311		1/1/2014	10/22/2013	N/A	12/31/2014
211	Construction	31012443		1/6/2014	12/13/2013	N/A	8/11/2014
212	Construction	30962782		11/11/2013	7/11/2013	N/A	4/1/2014
213	Construction	30949657		1/2/2014	11/20/2013	N/A	5/16/2014

**TABLE 7-2
PACIFIC GAS AND ELECTRIC COMPANY
STATUS OF CAPITAL PROJECTS
(CONTINUED)**

Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
214	Construction	30949961		1/3/2014	7/22/2013	N/A	4/18/2014
215	Construction	30949967		10/11/2013	7/10/2013	N/A	6/27/2014
216	Construction	30949976		1/2/2014	N/A	N/A	4/29/2014
217	Construction	30940444		12/16/2013	10/1/2013	N/A	3/30/2014
218	Construction	30940965		1/6/2014	10/7/2013	N/A	9/26/2014
219	Construction	31028153		12/12/2013	12/16/2013	N/A	8/2/2014
220	Construction	30960550		10/28/2013	10/28/2013	N/A	12/31/2013
221	Construction	30960551		11/27/2013	2/22/2013	N/A	12/31/2014
222	Construction	31018790		12/2/2013	11/27/2013	N/A	1/15/2014
223	Construction	30967840		12/2/2013	10/23/2013	N/A	1/27/2014
224	Construction	31024144		3/3/2014	12/20/2013	N/A	12/31/2014
225	Construction	30960071		10/1/2013	7/10/2013	N/A	12/20/2013
226	Construction	30944550		12/23/2013	12/30/2013	N/A	5/15/2014
227	Construction	30950906		10/14/2013	10/2/2013	N/A	12/14/2013
228	Construction	30945048		7/22/2013	8/2/2013	N/A	12/31/2013
229	Construction	30945052		10/17/2013	7/19/2013	N/A	12/20/2013
230	Construction	30956933		1/2/2014	12/18/2013	N/A	2/13/2014
231	Construction	30976248		10/7/2014	11/22/2013	N/A	12/13/2014
232	Construction	30826328		1/6/2014	12/27/2013	N/A	3/6/2014
233	Construction	30953830		11/4/2013	12/2/2013	N/A	12/31/2014
234	Construction	30921136		10/25/2013	11/13/2013	N/A	1/31/2014
235	Construction	31017628		10/1/2013	10/2/2013	N/A	11/15/2013
236	Construction	30969552		9/13/2013	2/23/2013	N/A	12/31/2013
237	Construction	30976360		11/4/2013	9/12/2013	N/A	1/3/2014
238	Construction	30954282		12/23/2013	1/8/2014	N/A	3/28/2014
239	Construction	31006345		1/2/2014	7/24/2013	N/A	4/25/2014
240	Construction	31018708		1/8/2014	N/A	N/A	4/1/2014
241	Construction	30949549		1/6/2014	12/16/2013	N/A	3/19/2014
242	Construction	30976021		1/6/2014	5/30/2013	N/A	4/30/2014
243	Construction	30962422		1/8/2014	12/26/2013	N/A	3/24/2014
244	Construction	30962859		9/30/2013	6/17/2013	N/A	9/23/2014
245	Construction	30985266		1/6/2014	5/22/2013	N/A	8/14/2014
246	Construction	30854395		1/6/2014	9/29/2012	N/A	10/30/2014
247	Construction	30943606		1/30/2015	N/A	N/A	12/31/2015
248	Construction	30961782		1/6/2014	10/5/2013	N/A	4/21/2014
249	Construction	30948487		1/5/2015	3/7/2013	N/A	2/3/2015
250	Construction	30950624		3/1/2014	11/29/2012	N/A	12/31/2014
251	Construction	30881207		8/12/2013	6/17/2013	N/A	12/30/2013
252	Construction	30933967		3/7/2014	9/12/2013	N/A	12/31/2014
253	Construction	30873896		7/1/2013	6/24/2013	N/A	9/27/2013
254	Construction	30961673		11/4/2013	4/22/2013	N/A	12/31/2014
255	Construction	30958510		6/3/2013	11/14/2012	N/A	12/31/2013
256	Construction	30945046		9/9/2013	7/16/2013	N/A	12/31/2013
257	Construction	30977842		8/5/2013	10/7/2013	N/A	11/15/2013
258	Construction	30950720		7/8/2013	4/18/2013	N/A	8/30/2013
259	Construction	30951514		9/14/2013	8/22/2013	N/A	10/31/2013
260	Construction	30944065		7/2/2013	11/30/2012	N/A	12/31/2013
261	Construction	30909730		9/30/2013	2/4/2013	N/A	11/18/2013
262	Construction	30960072		8/20/2013	10/4/2013	N/A	12/10/2013
263	Construction	30972534		8/13/2013	3/28/2013	N/A	12/13/2013
264	Construction	30880920		7/8/2013	12/19/2012	N/A	12/31/2013
265	Construction	30880921		7/31/2013	4/6/2012	N/A	9/30/2013
266	Construction	30919614		8/7/2014	10/28/2013	N/A	9/18/2014
267	Construction	30963152		7/31/2013	1/7/2013	N/A	12/31/2013
268	Design	31012541		1/1/2014	N/A	N/A	12/31/2014
269	Design	31019579		3/3/2014	N/A	N/A	10/23/2014
270	Design	30963116		3/31/2014	N/A	N/A	12/30/2014
271	Design	30985295		8/1/2014	N/A	N/A	1/7/2015
272	Design	30956474		7/30/2013	N/A	N/A	12/31/2013
273	Design	30941324		8/27/2013	N/A	N/A	12/31/2014
274	Design	30940731		9/9/2013	N/A	N/A	12/31/2013
275	Design	30950721		1/6/2014	N/A	N/A	9/4/2014
276	Design	30959833		5/5/2014	N/A	N/A	7/31/2014
277	Design	30961769		3/14/2014	N/A	N/A	12/31/2014
278	Design	30897912		10/1/2013	N/A	N/A	12/20/2013
279	Design	30854518		6/19/2014	N/A	N/A	1/17/2014
280	Design	30956565		6/11/2015	N/A	N/A	10/30/2015
281	Design	30956566		4/24/2015	N/A	N/A	12/31/2015
282	Design	30956567		7/27/2015	N/A	N/A	12/31/2015
283	Design	30959318		8/4/2014	N/A	N/A	2/19/2015
284	Design	30959719		6/2/2015	N/A	N/A	12/31/2015

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(CONTINUED)**

Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
285	Design	30967922		9/29/2015	N/A	N/A	3/4/2016
286	Design	30967926		2/22/2016	N/A	N/A	6/28/2016
287	Design	30940732		1/1/2014	N/A	N/A	6/30/2014
288	Design	30967404		9/1/2015	N/A	N/A	12/31/2015
289	Design	30965520		6/1/2015	N/A	N/A	12/31/2015
290	Design	30945587		1/2/2015	N/A	N/A	6/28/2015
291	Design	30931586		N/A	N/A	N/A	12/31/2015
292	Design	30981471		9/1/2015	N/A	N/A	5/19/2016
293	Design	30921133		7/1/2014	N/A	N/A	8/28/2015
294	Design	30949406		3/3/2014	N/A	N/A	12/31/2014
295	Design	30983006		6/1/2015	N/A	N/A	12/31/2015
296	Design	31038790		10/1/2015	N/A	N/A	12/15/2015
297	Design	31038791		8/31/2015	N/A	N/A	12/31/2015
298	Design	30948869		8/3/2015	N/A	N/A	12/14/2015
299	Design	30952029		6/1/2015	N/A	N/A	12/14/2015
300	Design	30980622		11/2/2015	N/A	N/A	12/31/2015
301	Design	30927787		9/2/2015	N/A	N/A	2/19/2016
302	Design	30949656		8/1/2014	N/A	N/A	12/18/2014
303	Design	30949965		9/1/2015	N/A	N/A	11/19/2015
304	Design	30949968		9/3/2015	N/A	N/A	11/24/2015
305	Design	30949970		2/5/2014	N/A	N/A	7/25/2014
306	Design	30949972		11/30/2015	N/A	N/A	2/2/2016
307	Design	30996892		4/1/2014	N/A	N/A	8/18/2014
308	Design	31001821		4/1/2014	N/A	N/A	7/23/2014
309	Design	31019253		4/23/2014	N/A	N/A	2/3/2015
310	Design	30996890		2/14/2014	N/A	N/A	7/8/2014
311	Design	30955091		8/1/2014	N/A	N/A	9/25/2014
312	Design	30949548		7/7/2015	N/A	N/A	11/11/2015
313	Design	31016027		4/1/2014	N/A	N/A	6/23/2014
314	Design	31016037		4/1/2014	N/A	N/A	6/23/2014
315	Design	30881228		3/3/2014	N/A	N/A	8/13/2014
316	Design	30871195		7/1/2015	N/A	N/A	9/30/2015
317	Design	30977207		4/1/2014	N/A	N/A	6/23/2014
318	Design	30847509		1/6/2014	N/A	N/A	6/27/2014
319	Design	30963180		6/10/2016	N/A	N/A	11/7/2016
320	Design	30962760		7/1/2014	N/A	N/A	7/17/2014
321	Design	30954804		9/12/2013	N/A	N/A	1/18/2017
322	Design	30985291		3/4/2014	N/A	N/A	12/15/2014
323	Design	30986321		8/3/2015	N/A	N/A	11/12/2015
324	Design	30948273		2/1/2015	N/A	N/A	3/25/2015
325	Design	30956862		7/3/2017	N/A	N/A	9/22/2017
326	Design	31017685		1/3/2014	N/A	N/A	7/7/2014
327	Design	30955596		1/10/2015	N/A	N/A	3/15/2015
328	Design	31000168		4/1/2014	N/A	N/A	7/14/2014
329	Design	30986342		5/2/2016	N/A	N/A	12/30/2016
330	Design	30958808		3/1/2015	N/A	N/A	5/20/2015
331	Design	30992342		11/30/2015	N/A	N/A	7/28/2016
332	Documentation	30956568		8/5/2013	8/7/2013	11/8/2013	12/31/2013
333	Documentation	30865996		2/11/2013	1/19/2013	7/17/2013	7/3/2013
334	Documentation	30977261		6/24/2013	5/13/2013	11/5/2013	9/27/2013
335	Documentation	30966786		5/13/2013	1/31/2013	9/10/2013	8/8/2013
336	Documentation	30948864		6/3/2013	6/7/2013	10/2/2013	12/26/2013
337	Documentation	30881528		7/1/2013	5/17/2012	12/19/2013	12/31/2013
338	Documentation	30884681		7/9/2012	1/25/2013	12/7/2013	11/14/2013
339	Documentation	30935499		2/15/2013	2/19/2013	8/6/2013	6/28/2013
340	Documentation	30935565		4/1/2013	4/3/2013	8/5/2013	8/23/2013
341	Documentation	30935572		5/6/2013	4/13/2013	10/16/2013	11/14/2013
342	Documentation	30940207		4/8/2013	4/15/2013	10/13/2013	7/29/2013
343	Documentation	30944935		4/11/2013	3/28/2013	1/6/2014	11/14/2013
344	Documentation	30945050		6/10/2013	5/28/2013	12/9/2013	11/14/2013
345	Documentation	30957040		7/2/2013	5/29/2013	11/22/2013	11/14/2013
346	Documentation	30959479		5/6/2013	4/27/2013	12/31/2013	11/1/2013
347	Documentation	30959541		6/3/2013	5/21/2013	1/3/2014	12/23/2013
348	Documentation	30959548		6/11/2013	6/6/2013	8/9/2013	11/14/2013
349	Documentation	30959549		7/3/2013	6/28/2013	1/3/2014	12/15/2013
350	Documentation	30959927		4/15/2013	4/10/2013	11/14/2013	11/14/2013
351	Documentation	30940203		4/8/2013	10/25/2012	8/1/2013	12/1/2013
352	Documentation	30896284		10/1/2012	5/8/2012	1/25/2013	11/21/2012
353	Documentation	30950735		7/8/2013	7/1/2013	1/3/2014	12/6/2013
354	Documentation	30950736		7/8/2013	7/5/2013	11/20/2013	10/31/2013
355	Documentation	30923677		10/1/2012	7/23/2012	5/8/2013	2/8/2013

**TABLE 7-2
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Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
356	Documentation	30952642		6/3/2013	2/20/2013	9/6/2013	12/31/2013
357	Documentation	30957727		3/4/2013	1/18/2013	8/5/2013	6/6/2013
358	Documentation	30946018		6/6/2013	5/6/2013	9/14/2013	7/17/2014
359	Documentation	30955226		2/11/2013	2/13/2013	8/1/2013	7/31/2013
360	Documentation	30963038		6/24/2013	6/24/2013	1/7/2014	12/31/2013
361	Documentation	30967746		7/28/2013	5/15/2013	9/4/2013	9/15/2013
362	Documentation	30902492		5/31/2013	6/25/2013	8/26/2013	7/31/2013
363	Documentation	30814138		4/1/2013	8/27/2012	8/15/2013	7/31/2013
364	Documentation	30953831		6/5/2013	3/30/2013	8/22/2013	12/15/2014
365	Documentation	30940128		1/2/2013	1/25/2013	5/21/2013	5/31/2013
366	Documentation	30945041		7/9/2013	3/29/2013	8/7/2013	11/14/2013
367	Documentation	30962526		2/15/2013	4/28/2013	8/1/2013	7/12/2013
368	Documentation	30975054		10/23/2006	5/2/2013	9/26/2013	10/31/2013
369	Documentation	30842345		10/3/2011	3/6/2012	2/5/2013	6/30/2013
370	Documentation	30873887		5/9/2013	3/26/2013	9/17/2013	10/3/2013
371	Documentation	30970410		3/15/2013	3/18/2013	8/24/2013	7/25/2013
372	Documentation	30881353		6/24/2013	5/23/2013	10/3/2013	11/1/2013
373	Documentation	30882362		4/15/2013	8/30/2012	11/16/2013	11/14/2013
374	Documentation	30959835		4/1/2013	12/10/2012	9/4/2013	7/26/2013
375	Documentation	30881613		6/18/2013	2/13/2013	11/14/2013	7/26/2013
376	Documentation	30870577		11/4/2011	10/5/2011	10/8/2013	8/7/2013
377	Documentation	30841766		6/17/2013	4/12/2013	12/27/2013	12/31/2013
378	Documentation	30977443		6/17/2013	3/20/2013	9/16/2013	8/23/2013
379	Documentation	30863936		1/28/2013	1/24/2013	11/20/2013	7/31/2013
380	Documentation	30897934		5/6/2013	8/31/2012	9/12/2013	10/30/2013
381	Documentation	30909959		8/1/2012	4/18/2013	12/24/2013	10/30/2013
382	Documentation	30905521		4/25/2013	5/10/2013	12/2/2013	10/2/2013
383	Documentation	30949544		9/19/2013	4/25/2013	12/24/2013	11/1/2013
384	Documentation	30981831		8/14/2013	5/7/2013	12/4/2013	8/30/2013
385	Documentation	30887589		9/10/2012	5/9/2012	12/24/2012	12/31/2012
386	Documentation	30835391		8/6/2012	11/2/2012	3/19/2013	12/31/2012
387	Documentation	30874357		10/22/2012	10/5/2012	12/31/2012	3/6/2013
388	Documentation	30900990		9/3/2012	10/26/2012	12/13/2012	12/14/2012
389	Documentation	30868586		6/1/2011	8/20/2012	2/8/2013	12/31/2012
390	Documentation	30881529		7/7/2011	6/9/2012	1/21/2013	12/30/2012
391	Documentation	30884680		12/28/2012	12/19/2012	4/5/2013	5/30/2013
392	Documentation	30935560		1/2/2013	12/31/2012	3/16/2013	6/28/2013
393	Documentation	30935561		12/26/2012	12/17/2012	4/9/2013	6/30/2013
394	Documentation	30940125		1/2/2013	12/30/2012	1/14/2013	5/31/2013
395	Documentation	30941190		1/7/2013	1/2/2013	4/3/2013	5/31/2013
396	Documentation	30945588		6/24/2013	3/18/2013	5/16/2013	8/30/2013
397	Documentation	30896294		10/1/2012	5/3/2012	4/12/2013	12/31/2012
398	Documentation	30926314		9/4/2012	9/18/2012	3/29/2013	3/29/2013
399	Documentation	30902571		5/29/2012	2/15/2012	3/1/2013	3/1/2013
400	Documentation	30902574		10/15/2012	9/13/2012	4/4/2013	12/28/2012
401	Documentation	30918736		9/10/2012	7/16/2012	1/10/2013	1/4/2013
402	Documentation	30923676		10/1/2012	7/24/2012	1/17/2013	2/11/2013
403	Documentation	30949995		2/25/2013	2/25/2013	3/26/2013	9/6/2013
404	Documentation	30922858		10/1/2012	10/10/2012	5/1/2013	5/1/2013
405	Documentation	30923753		10/8/2012	2/7/2012	1/14/2013	4/25/2013
406	Documentation	30927111		10/1/2012	9/10/2012	12/6/2012	12/28/2012
407	Documentation	30878200		9/21/2012	2/13/2012	4/15/2013	12/28/2012
408	Documentation	30908745		12/1/2012	5/7/2012	5/10/2013	3/22/2013
409	Documentation	30956475		12/5/2012	11/16/2012	3/4/2013	2/14/2013
410	Documentation	30881211		5/1/2012	8/13/2012	11/8/2012	2/28/2013
411	Documentation	30881218		6/1/2012	12/12/2012	1/2/2013	4/30/2013
412	Documentation	30762887		5/16/2011	10/14/2010	10/14/2010	7/29/2011
413	Documentation	30848795		1/2/2012	5/4/2011	2/7/2013	12/31/2012
414	Documentation	30891159		6/30/2012	1/19/2012	3/21/2013	3/21/2013
415	Documentation	30841257		1/2/2012	1/30/2012	12/3/2012	12/28/2012
416	Documentation	30852367		9/24/2012	7/12/2012	4/10/2013	2/28/2013
417	Documentation	30854380		1/7/2013	1/28/2012	3/19/2013	3/14/2013
418	Documentation	30854390		4/2/2012	8/11/2012	12/20/2012	6/29/2012
419	Documentation	30897980		4/5/2013	4/2/2013	6/6/2013	7/15/2013
420	Documentation	30956472		8/12/2013	8/8/2013	10/1/2013	12/31/2013
421	Documentation	30956478		6/24/2013	7/8/2013	10/15/2013	12/31/2013
422	Documentation	30950218		9/1/2013	8/30/2013	11/5/2013	10/10/2013
423	Documentation	30900991		9/16/2013	11/15/2012	10/14/2013	10/25/2013
424	Documentation	30943691		7/22/2013	7/22/2013	10/9/2013	12/31/2013
425	Documentation	30960422		7/26/2013	7/17/2013	10/30/2013	11/27/2013
426	Documentation	30945054		8/12/2013	2/6/2013	12/6/2013	12/31/2013

**TABLE 7-2
PACIFIC GAS AND ELECTRIC COMPANY
STATUS OF CAPITAL PROJECTS
(CONTINUED)**

Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
427	Documentation	30977599		7/24/2013	5/16/2013	12/27/2013	12/31/2013
428	Documentation	30950510		7/8/2013	5/8/2013	1/3/2014	12/31/2013
429	Documentation	30958999		8/5/2013	8/2/2013	9/10/2013	10/6/2013
430	Documentation	30941509		7/8/2013	6/3/2013	10/2/2013	11/14/2013
431	Documentation	30977841		10/21/2013	10/11/2013	12/16/2013	11/15/2013
432	Documentation	30931494		7/8/2013	7/8/2013	11/14/2013	4/17/2014
433	Documentation	30949273		8/28/2013	8/5/2013	10/25/2013	12/31/2013
434	Documentation	30950729		7/8/2013	2/20/2013	8/26/2013	9/4/2014
435	Documentation	31038792		8/3/2015	N/A	N/A	12/31/2015
436	Documentation	30888745		5/6/2013	9/5/2012	12/19/2013	1/9/2014
437	Documentation	30959901		9/3/2013	8/13/2013	9/23/2013	12/31/2013
438	Documentation	30958908		9/23/2013	7/24/2013	12/2/2013	11/15/2013
439	Documentation	30920871		12/30/2013	12/24/2013	12/24/2013	12/30/2013
440	Documentation	30969574		7/15/2013	9/4/2013	12/5/2013	11/30/2013
441	Documentation	30800067		12/6/2010	9/30/2010	1/7/2014	12/31/2013
442	Documentation	31013655		N/A	9/13/2013	9/20/2013	8/30/2013
443	Documentation	31016660		11/14/2013	9/4/2013	1/7/2014	12/30/2014
444	Documentation	30962400		7/15/2013	6/25/2013	9/23/2013	12/31/2013
445	Documentation	30852093		10/1/2012	4/30/2012	11/4/2013	12/28/2012
446	Documentation	30852339		8/6/2012	4/7/2012	7/31/2013	8/23/2013
447	Documentation	30961672		8/9/2013	6/26/2013	12/30/2013	12/26/2013
448	Documentation	30948485		N/A	4/22/2013	11/22/2013	11/22/2013
449	Documentation	30903300		6/4/2012	8/16/2012	5/10/2013	4/30/2013
450	Documentation	30956470		7/29/2013	8/5/2013	8/21/2013	12/31/2013
451	Documentation	30956471		6/28/2013	7/1/2013	10/10/2013	12/31/2013
452	Documentation	30956570		7/3/2013	7/1/2013	9/19/2013	12/31/2013
453	Documentation	30929891		7/1/2013	6/17/2013	9/3/2013	12/31/2013
454	Documentation	30949278		7/8/2013	7/2/2013	12/4/2013	12/31/2013
455	Documentation	30944064		6/27/2013	7/8/2013	10/24/2013	12/31/2013
456	Documentation	30948867		4/22/2013	4/22/2013	12/23/2013	12/26/2013
457	Documentation	30959832		7/18/2013	8/13/2013	12/11/2013	9/27/2013
458	Documentation	30937753		7/25/2013	5/2/2013	10/18/2013	11/20/2013
459	Documentation	30881478		5/1/2013	7/14/2012	1/6/2014	9/27/2013
460	Documentation	30880951		9/3/2013	8/26/2013	11/26/2013	10/31/2013
461	Documentation	30963156		7/22/2013	1/7/2013	10/14/2013	12/31/2013
462	Documentation	30865947		8/1/2013	6/4/2013	12/12/2013	8/30/2013
463	Documentation	31021780		9/26/2013	9/11/2013	11/21/2013	11/21/2013
464	Documentation	31024050		N/A	10/24/2013	12/4/2013	11/6/2013
465	Pre-Construction	30973101		8/3/2015	N/A	N/A	12/31/2015
466	Pre-Construction	31017205		4/22/2014	N/A	N/A	8/26/2014
467	Pre-Construction	30945282		8/26/2013	N/A	N/A	10/25/2013
468	Pre-Construction	30967356		12/9/2013	N/A	N/A	12/15/2014
469	Pre-Construction	30962881		3/3/2014	N/A	N/A	12/31/2014
470	Pre-Construction	30949543		9/12/2013	N/A	N/A	12/31/2013
471	Pre-Construction	30878928		7/19/2013	N/A	N/A	9/19/2013
472	Pre-Construction	30962382		4/22/2014	N/A	N/A	12/31/2014
473	Pre-Construction	30961671		8/27/2013	N/A	N/A	10/29/2013
474	Pre-Construction	30960144		9/25/2013	N/A	N/A	11/1/2013
475	Pre-Construction	30935109		5/1/2014	N/A	N/A	9/15/2014
476	Pre-Construction	30949399		8/13/2013	N/A	N/A	10/31/2013
477	Pre-Construction	30949413		8/30/2013	N/A	N/A	2/14/2014
478	Pre-Construction	30950080		12/9/2013	N/A	N/A	12/15/2014
479	Pre-Construction	30956595		2/11/2014	N/A	N/A	10/8/2014
480	Pre-Construction	30922553		9/1/2013	N/A	N/A	1/31/2014
481	Pre-Construction	30897516		5/29/2013	N/A	N/A	12/31/2014
482	Pre-Construction	30852335		1/2/2014	N/A	N/A	3/29/2014
483	Pre-Construction	30954903		5/16/2014	N/A	N/A	12/31/2014
484	Pre-Construction	30905717		4/1/2014	N/A	N/A	7/1/2014
485	Pre-Construction	30847264		1/1/2014	N/A	N/A	12/31/2014
486	Pre-Construction	30873859		8/4/2014	N/A	N/A	10/30/2014
487	Pre-Construction	30854507		7/11/2013	N/A	N/A	12/31/2014
488	Pre-Construction	30956477		5/25/2015	N/A	N/A	12/31/2015
489	Pre-Construction	30993887		11/2/2015	N/A	N/A	2/25/2016
490	Pre-Construction	30974979		3/4/2014	N/A	N/A	11/13/2014
491	Pre-Construction	30940733		2/3/2014	N/A	N/A	3/10/2014
492	Pre-Construction	30944358		9/10/2013	N/A	N/A	3/14/2016
493	Pre-Construction	30988126		4/1/2014	N/A	N/A	12/18/2014
494	Pre-Construction	30969442		5/4/2015	N/A	N/A	8/12/2015
495	Pre-Construction	30969445		6/2/2015	N/A	N/A	12/31/2015
496	Pre-Construction	30969449		10/1/2014	N/A	N/A	6/1/2015
497	Pre-Construction	30980621		3/3/2014	N/A	N/A	12/26/2014

**TABLE 7-2
PACIFIC GAS AND ELECTRIC COMPANY
STATUS OF CAPITAL PROJECTS
(CONTINUED)**

Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
498	Pre-Construction	31009584		3/3/2014	N/A	N/A	12/19/2014
499	Pre-Construction	31000120		1/2/2014	N/A	N/A	5/16/2014
500	Pre-Construction	31000361		5/1/2014	N/A	N/A	9/10/2014
501	Pre-Construction	31016499		3/3/2014	N/A	N/A	11/10/2014
502	Pre-Construction	30967816		11/2/2015	N/A	N/A	12/31/2015
503	Pre-Construction	30968221		2/3/2014	N/A	N/A	12/31/2014
504	Pre-Construction	30980608		2/5/2014	N/A	N/A	6/6/2014
505	Pre-Construction	30948397		1/2/2015	N/A	N/A	12/31/2015
506	Pre-Construction	30948399		6/2/2015	N/A	N/A	12/23/2016
507	Pre-Construction	30951495		2/3/2014	N/A	N/A	9/30/2014
508	Pre-Construction	30974119		3/3/2014	N/A	N/A	6/10/2014
509	Pre-Construction	30978635		6/30/2015	N/A	N/A	12/17/2015
510	Pre-Construction	30931490		8/3/2015	N/A	N/A	6/1/2016
511	Pre-Construction	30931497		11/1/2015	N/A	N/A	6/16/2015
512	Pre-Construction	30931498		1/8/2014	N/A	N/A	7/18/2014
513	Pre-Construction	30931584		1/8/2014	N/A	N/A	9/16/2014
514	Pre-Construction	30949271		8/6/2015	N/A	N/A	11/3/2015
515	Pre-Construction	30949276		1/3/2014	N/A	N/A	9/4/2014
516	Pre-Construction	30949279		2/3/2014	N/A	N/A	2/27/2015
517	Pre-Construction	30968814		11/1/2013	N/A	N/A	12/20/2013
518	Pre-Construction	30981472		1/1/2015	N/A	N/A	3/15/2016
519	Pre-Construction	31028690		2/4/2014	N/A	N/A	8/22/2014
520	Pre-Construction	30950933		7/1/2015	N/A	N/A	4/19/2016
521	Pre-Construction	30950935		1/4/2016	N/A	N/A	3/9/2016
522	Pre-Construction	30966521		1/6/2014	N/A	N/A	7/16/2015
523	Pre-Construction	30921130		1/7/2014	N/A	N/A	10/29/2014
524	Pre-Construction	30921134		1/8/2014	N/A	N/A	9/11/2014
525	Pre-Construction	30946166		3/3/2014	N/A	N/A	10/9/2014
526	Pre-Construction	30951511		3/31/2015	N/A	N/A	12/25/2015
527	Pre-Construction	30951512		7/1/2015	N/A	N/A	1/29/2016
528	Pre-Construction	30951515		10/15/2013	N/A	N/A	2/28/2014
529	Pre-Construction	30950083		1/5/2016	N/A	N/A	5/19/2016
530	Pre-Construction	30950087		7/1/2014	N/A	N/A	12/12/2014
531	Pre-Construction	30950088		8/4/2015	N/A	N/A	2/5/2016
532	Pre-Construction	30965959		5/4/2015	N/A	N/A	11/4/2015
533	Pre-Construction	30966121		8/3/2015	N/A	N/A	12/15/2015
534	Pre-Construction	30967355		3/3/2014	N/A	N/A	11/19/2014
535	Pre-Construction	31016593		9/1/2014	N/A	N/A	2/23/2015
536	Pre-Construction	31017627		4/1/2014	N/A	N/A	9/12/2014
537	Pre-Construction	30980577		9/2/2015	N/A	N/A	12/25/2015
538	Pre-Construction	30980578		6/1/2015	N/A	N/A	12/31/2015
539	Pre-Construction	30980620		4/1/2015	N/A	N/A	12/31/2015
540	Pre-Construction	30980623		6/1/2015	N/A	N/A	12/31/2015
541	Pre-Construction	31012379		1/1/2014	N/A	N/A	12/31/2014
542	Pre-Construction	31012442		2/3/2014	N/A	N/A	10/22/2014
543	Pre-Construction	31012448		1/1/2014	N/A	N/A	12/31/2014
544	Pre-Construction	31012449		1/1/2014	N/A	N/A	12/31/2014
545	Pre-Construction	30946948		2/3/2014	N/A	N/A	7/2/2014
546	Pre-Construction	30949659		6/2/2014	N/A	N/A	10/15/2014
547	Pre-Construction	30949960		3/3/2014	N/A	N/A	12/23/2014
548	Pre-Construction	30940232		7/1/2015	N/A	N/A	12/7/2015
549	Pre-Construction	30940447		5/4/2014	N/A	N/A	1/18/2015
550	Pre-Construction	30979822		5/9/2014	N/A	N/A	1/12/2015
551	Pre-Construction	30969912		6/1/2015	N/A	N/A	12/14/2015
552	Pre-Construction	30933852		1/6/2014	N/A	N/A	4/18/2014
553	Pre-Construction	30940156		5/1/2014	N/A	N/A	11/4/2014
554	Pre-Construction	30950905		6/2/2014	N/A	N/A	7/23/2014
555	Pre-Construction	30974098		N/A	N/A	N/A	9/5/2013
556	Pre-Construction	30956179		2/3/2014	N/A	N/A	10/13/2014
557	Pre-Construction	30790054		7/1/2015	N/A	N/A	11/26/2015
558	Pre-Construction	30948872		1/29/2016	N/A	N/A	12/29/2016
559	Pre-Construction	30951781		3/3/2014	N/A	N/A	12/31/2014
560	Pre-Construction	30927671		7/1/2015	N/A	N/A	10/1/2015
561	Pre-Construction	30954284		2/3/2014	N/A	N/A	5/8/2014
562	Pre-Construction	30914792		2/3/2014	N/A	N/A	5/16/2014
563	Pre-Construction	30880839		7/1/2014	N/A	N/A	11/13/2014
564	Pre-Construction	30880923		5/4/2015	N/A	N/A	10/15/2015
565	Pre-Construction	30962885		4/8/2013	N/A	N/A	4/25/2014
566	Pre-Construction	30937735		6/1/2015	N/A	N/A	8/13/2015
567	Pre-Construction	30976020		5/1/2014	N/A	N/A	7/16/2014
568	Pre-Construction	30891358		7/1/2016	N/A	N/A	10/7/2016

**TABLE 7-2
PACIFIC GAS AND ELECTRIC COMPANY
STATUS OF CAPITAL PROJECTS
(CONTINUED)**

Line No.	Project Status	Order Number	Redacted	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
569	Pre-Construction	30891400		10/3/2016	N/A	N/A	1/5/2017
570	Pre-Construction	30957801		5/20/2013	N/A	N/A	9/30/2014
571	Pre-Construction	30961768		4/11/2013	N/A	N/A	9/30/2016
572	Pre-Construction	30961770		7/1/2016	N/A	N/A	10/3/2016
573	Pre-Construction	30962388		9/1/2016	N/A	N/A	12/20/2016
574	Pre-Construction	30962392		1/4/2016	N/A	N/A	4/22/2016
575	Pre-Construction	30963149		5/2/2016	N/A	N/A	10/14/2016
576	Pre-Construction	30932792		1/27/2014	N/A	N/A	12/31/2015
577	Pre-Construction	30954002		3/2/2015	N/A	N/A	7/13/2015
578	Pre-Construction	30971810		12/1/2015	N/A	N/A	12/30/2016
579	Pre-Construction	30976361		1/3/2014	N/A	N/A	5/8/2014
580	Pre-Construction	30977206		1/6/2014	N/A	N/A	6/11/2014
581	Pre-Construction	30965904		3/2/2015	N/A	N/A	6/15/2015
582	Pre-Construction	30966270		9/1/2016	N/A	N/A	10/31/2016
583	Pre-Construction	30890126		3/29/2013	N/A	N/A	6/28/2016
584	Pre-Construction	30902496		1/6/2014	N/A	N/A	1/23/2017
585	Pre-Construction	30904009		9/1/2013	N/A	N/A	12/5/2016
586	Pre-Construction	30962678		3/1/2016	N/A	N/A	12/30/2016
587	Pre-Construction	30881614		6/30/2016	N/A	N/A	2/17/2017
588	Pre-Construction	30961494		5/4/2015	N/A	N/A	12/4/2015
589	Pre-Construction	30961784		7/1/2016	N/A	N/A	3/3/2017
590	Pre-Construction	30954978		11/1/2016	N/A	N/A	1/13/2017
591	Pre-Construction	30847264		5/5/2014	N/A	N/A	10/31/2014
592	Pre-Construction	30847267		1/1/2014	N/A	N/A	7/1/2014
593	Pre-Construction	30852365		3/19/2014	N/A	N/A	10/30/2014
594	Pre-Construction	30854384		9/1/2016	N/A	N/A	12/30/2016
595	Pre-Construction	30854385		9/5/2016	N/A	N/A	11/25/2016
596	Pre-Construction	30854396		5/19/2014	N/A	N/A	7/28/2014
597	Pre-Construction	30854511		2/2/2015	N/A	N/A	8/27/2015
598	Pre-Construction	30981110		11/1/2016	N/A	N/A	12/29/2016
599	Pre-Construction	30995368		2/4/2014	N/A	N/A	12/12/2014
600	Pre-Construction	30961785		11/1/2016	N/A	N/A	2/9/2017

8. Completed Capital Project Cost

Request

Total costs of each completed capital project.

Response

The 147 capital projects that were completed from January 1 to December 31, 2013, are listed in Table 8-1. As explained previously, a project is considered complete when construction is complete, documentation is complete, and labor charges are no longer expected.

**TABLE 8-1
PACIFIC GAS AND ELECTRIC COMPANY
COSTS FOR COMPLETED PROJECTS
(IN THOUSANDS OF 2013 DOLLARS)**

Line No.	Order	Redacted	Total Costs 1/1/13-12/31/13	Costs Since Inception Ending 12/31/2013
1	30887591		\$555	\$575
2	30887592		\$86	\$1,063
3	30956473		\$291	\$291
4	30956476		\$417	\$417
5	30956569		\$509	\$509
6	30878698		\$17	\$1,328
7	30881405		\$86	\$1,612
8	30874152		\$95	\$480
9	30967075		\$208	\$208
10	30889978		\$251	\$415
11	30916076		\$860	\$866
12	30837951		\$181	\$2,436
13	30827449		\$5	\$467
14	30817483		\$17	\$454
15	30942110		\$681	\$683
16	30988125		\$484	\$484
17	30969454		\$433	\$433
18	30829739		\$1,273	\$1,273
19	30861549		\$22	\$1,827
20	30867720		\$828	\$3,165
21	30868408		\$444	\$1,460
22	30868409		\$22	\$2,198
23	30868411		\$62	\$1,588
24	30869181		\$70	\$1,585
25	30878470		\$314	\$2,492
26	30878471		\$264	\$1,311
27	30881526		\$284	\$2,229
28	30881539		\$445	\$4,705
29	30881560		\$106	\$3,196
30	30881562		\$38	\$1,794
31	30881563		\$803	\$2,572
32	30881570		\$71	\$1,843
33	30882935		\$294	\$2,177
34	30882937		\$31	\$3,788
35	30882938		\$3,681	\$3,859

**TABLE 8-1
PACIFIC GAS AND ELECTRIC COMPANY
COSTS FOR COMPLETED PROJECTS
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	Order	Redacted	Total Costs 1/1/13-12/31/13	Costs Since Inception Ending 12/31/2013
36	30884470		\$270	\$3,077
37	30884478		\$1,182	\$1,188
38	30932625		\$9	\$439
39	30940200		\$2,777	\$2,782
40	30956937		\$2,106	\$2,106
41	30956939		\$3,313	\$3,313
42	30977840		\$2,827	\$2,827
43	30950509		\$327	\$328
44	30951494		\$5,587	\$5,587
45	30951496		\$1,396	\$1,397
46	30941192		\$223	\$229
47	30941506		\$1,980	\$1,980
48	30896292		\$177	\$1,000
49	30931484		\$1,923	\$1,924
50	30949265		\$693	\$693
51	30902399		\$232	\$1,087
52	30950734		\$742	\$742
53	30949396		\$603	\$610
54	30949411		\$306	\$310
55	30949412		\$330	\$335
56	30902573		\$132	\$1,273
57	30951510		\$1,048	\$1,051
58	30951513		\$1,250	\$1,251
59	30951516		\$591	\$591
60	30918735		\$29	\$2,185
61	30928139		\$3	\$579
62	30830105		\$275	\$1,318
63	30880691		\$710	\$714
64	30952103		\$202	\$202
65	30922952		\$156	\$1,679
66	30944838		\$1,258	\$1,259
67	30945463		\$674	\$683
68	30946017		\$598	\$598
69	30946019		\$868	\$868
70	30908582		\$108	\$587
71	30909341		\$558	\$1,363
72	30952005		\$1,291	\$1,520
73	30983855		\$198	\$198
74	30904365		\$1,227	\$2,960
75	30922902		\$206	\$709
76	30926778		\$479	\$945
77	30970947		\$778	\$778
78	30892858		\$1,311	\$3,582
79	30855411		\$8	\$1,391
80	30861388		\$678	\$1,048
81	30898005		\$124	\$787
82	30959390		\$1,186	\$1,189
83	30890136		\$279	\$279
84	30890141		\$258	\$263
85	30911415		\$3,666	\$3,713

**TABLE 8-1
PACIFIC GAS AND ELECTRIC COMPANY
COSTS FOR COMPLETED PROJECTS
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	Order	Redacted	Total Costs 1/1/13-12/31/13	Costs Since Inception Ending 12/31/2013
86	30911418		\$320	\$326
87	30886841		\$124	\$763
88	30938237		\$209	\$624
89	30844594		\$81	\$540
90	30907824		\$281	\$289
91	30907825		\$327	\$331
92	30907826		\$302	\$309
93	30923351		\$615	\$627
94	30841258		\$526	\$1,366
95	30929094		\$147	\$1,473
96	30892216		\$183	\$1,279
97	30961468		\$1,283	\$1,283
98	30840277		\$11	\$2,760
99	30847262		\$188	\$916
100	30873848		\$210	\$222
101	30873881		\$305	\$331
102	30873884		\$405	\$436
103	30851911		\$25	\$439
104	30851943		\$45	\$622
105	30854257		\$22	\$934
106	30854366		\$261	\$268
107	30854367		\$251	\$256
108	30854370		\$507	\$536
109	30854377		\$409	\$416
110	30854378		\$249	\$258
111	30854386		\$762	\$780
112	30854540		\$333	\$339
113	30899876		\$668	\$727
114	30957096		\$446	\$446
115	30907823		\$302	\$311
116	30990571		\$1,429	\$1,429
117	30882885		\$12	\$236
118	30891626		\$22	\$327
119	30927256		\$58	\$467
120	30890582		\$47	\$744
121	30879736		\$478	\$566
122	30902444		\$263	\$298
123	30876489		\$709	\$1,353
124	30676477		\$15	\$900
125	30813671		\$158	\$787
126	30889856		\$34	\$389
127	30928111		\$465	\$472
128	30810188		\$12	\$659
129	30882128		\$92	\$410
130	30987010		\$988	\$988
131	30880292		\$451	\$452
132	30944440		\$245	\$245
133	30755088		\$128	\$179

**TABLE 8-1
PACIFIC GAS AND ELECTRIC COMPANY
COSTS FOR COMPLETED PROJECTS
(IN THOUSANDS OF 2013 DOLLARS)
(CONTINUED)**

Line No.	Order	Redacted	Total Costs 1/1/13-12/31/13	Costs Since Inception Ending 12/31/2013
134	30881202		\$13	\$908
135	30881213		\$11	\$922
136	30881215		-\$2	\$865
137	30883821		\$2,205	\$2,231
138	30941191		\$1,059	\$1,068
139	30941194		\$991	\$992
140	30959474		\$935	\$936
141	30790056		\$203	\$631
142	30881208		\$431	\$435
143	30879258		\$642	\$895
144	30880964		\$266	\$275
145	30784977		\$12	\$610
146	30881612		\$59	\$406
147	30871984		\$501	\$3,800

9. Comparability of Actual Costs and Settlement Agreement Allocations

Request

Reported actual costs should be directly comparable to amounts approved in the Settlement Agreement. Identify whether any reported amounts include Administrative and General (A&G) expenses, indirect and/or overhead costs and, if so, show these amounts.

Response

All actual costs set forth in this report are directly comparable to amounts set forth in the Settlement Agreement. Tables 9-1 and 9-2 show the payroll taxes and benefits for expense MWCs and capitalized A&G for capital MWCs, respectively.

**TABLE 9-1
PACIFIC GAS AND ELECTRIC COMPANY
A&G AND TAXES IN EXPENSE
RECORDED PAYROLL TAXES AND BENEFITS BY MWC
(IN THOUSANDS OF 2013 DOLLARS)**

MWC	MWC Description	O&M Expense	Payroll Taxes	Benefits	Total 1/1 – 12/31/13
DD	Provide Field Service	\$80,182	\$4,961	\$13,152	\$98,294
DE	G Dist Leak Survey	27,264	1,148	2,908	31,321
DF	G&E T&D Locate and Mark	37,944	1,651	4,099	43,695
DG	G Dist Cathodic Protection	11,501	600	1,476	13,577
EX	G Dist Meter Protection	1,856	55	140	2,051
FG	G Dist Operate System	6,671	362	950	7,982
FH	G Dist Preventive Maint	28,200	908	2,381	31,489
FI	G Dist Corrective Maint	66,782	2,611	6,502	75,896
GF	G Dist Mapping	3,579	81	192	3,851
GG	G Dist Planning & Ops Engineer	7,652	385	1,219	9,256
HY	Change/Maint Used Gas Meters	12,273	762	2,093	15,128
JQ/JS	G Dist Integrity Mgt	25,788	430	1,355	27,574
	Total	\$309,692	\$13,954	\$36,467	\$360,113

TABLE 9-2
PACIFIC GAS AND ELECTRIC COMPANY
A&G TAXES IN CAPITAL
RECORDED CAPITALIZED A&G BY MWC
(IN THOUSANDS OF 2013 DOLLARS)

MWC	MWC Description	Capitalized A&G	2013 Total
14	G Dist Pipeline Repl Program	\$15,076	\$202,432
27	Gas Meter Protection-Capital	117	4,199
2J	GT&D Impl Regulatory Change	86	1,716
2K	G Dist Repl/Convert Cust HPR	3,549	40,064
47	G Dist Capacity	1,347	20,041
4A	G Dist Ctrl Operations Assets	1,803	28,908
50	G Dist Reliability General	12,038	132,844
52	G Dist Leak Repl/Emergency	107	645
74	Install New Gas Meters	297	1,846
Total		\$34,419	\$432,695

10. 2011 GRC Forecasted Capital Project Status

Request

Identify whether capital projects forecasted in Application 09-12-020 have been started, completed, remain to be undertaken (include anticipated start and completion date) or have been reprioritized. If reprioritized, provide the reasons for the reprioritization and the justification for the new project(s). Describe the new capital project(s) including estimated start and completion date. Discuss whether funding will be requested in a future rate case application for forecasted capital projects that were reprioritized and identify these projects.

Response

Table 10-1 provides the status of the safety, integrity and reliability-related capital projects forecast in Application 09-12-020. The table shows: (i) units of work (where applicable) and costs forecast in the GRC; (ii) units and costs forecasted at the beginning of the year; and (iii) actual units of work undertaken (where applicable) and costs incurred for the period July 1 through December 31, 2013, and the total year of 2013.

TABLE 10-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY GAS DISTRIBUTION CAPITAL PROGRAMS IN GRC FORECAST AND ACTUALS
(IN THOUSANDS OF 2013 DOLLARS)

Line No.	Work Category	Unit of Measure	2013 GRC Forecast (1)			2013 Budget			Actuals 7/1-12/31 (2)			2013 Total		
			Units	Unit Cost (\$)	Forecast (\$000)	Units	Unit Cost (\$)	Budget (\$000)	Units(2)	Unit Cost (\$)	Actuals (\$000)	Units	Unit Cost (\$)	Actual (\$000)
1	GPRP	Feet of Main	258,613	\$ 500	\$ 129,320	197,137	\$ 498	\$ 98,187	96,054	\$ 680	\$ 65,246	159,456	\$ 670	\$ 106,827
2	CSRP	Copper Services	2,138	\$ 7,310	\$ 15,629	2,100	\$ 7,168	\$ 15,053	1,248	\$ 14,874	\$ 14,696	2,438	\$ 7,321	\$ 26,732
3	Plastic	Feet of Main	-	\$ -	\$ -	267,640	\$ 301	\$ 80,474	89,788	\$ 573	\$ 51,460	152,592	\$ 493	\$ 75,333
4	Miscellaneous										\$ (11,056)			\$ (6,460)
5	MWC 14 Total				\$ 144,949			\$ 193,714			\$ 120,346			\$ 202,432
6	MPP Relocations	Services Corrected	76	\$ 8,816	\$ 670	-	\$ -	\$ -	517	\$ 8,122	\$ 4,179	518	\$ 8,106	\$ 4,199
7	MWC 27 Total				\$ 670			\$ 993			\$ 4,179			\$ 4,199
8	MWC 2J Total				\$ -			\$ 3,500			\$ 1,305			\$ 1,716
9	Cust High Pressure Reg	Reg Stations Addressed	-	\$ -	\$ -	1,000	\$ 49,660	\$ 49,660	305	\$ 87,829	\$ 13,695	498	\$ 80,400	\$ 40,064
10	MWC 2K Total				\$ -			\$ 49,660			\$ 13,695			\$ 40,064
11	Main Installation	Feet of Main	55,000	\$ 160	\$ 8,820	41,450	\$ 315	\$ 13,046	24,879	\$ 432	\$ 11,021	43,423	\$ 345	\$ 14,983
12	Regulator Station Installation	Reg Stations Installed	12	\$ 385,333	\$ 4,300	6	\$ 706,667	\$ 4,240	10	\$ 153,239	\$ 1,863	10	\$ 335,223	\$ 3,351
	Reg Station Components	Reg station components replaced							23	\$ 14,079	\$ 22	23	\$ 14,079	\$ 324
13	Miscellaneous	Reg Stations Replaced	-	\$ -	\$ 1,240			\$ 22,243	-		\$ 1,102			\$ 1,384
14	MWC 47 Total				\$ 14,360			\$ 39,529			\$ 14,008			\$ 20,041
15	Gas Control- RTU (Type3)	Unit Installed	-	\$ -	\$ -				-	\$ 175,148	\$ (78)	1	\$ 158,000	\$ 1,198
16	Gas Control - Electronic Pressure (Type4)	Unit Installed	-	\$ -	\$ -	201	\$ 40,000	\$ 8,040	17		\$ 788	17	\$ 90,000	\$ 1,331
17	Gas Control - Electronic Pressure Recorder (Type6)	Unit Installed	-	\$ -	\$ -	500	\$ 6,500	\$ 3,075	343	\$ (84,076)	\$ 3,868	389	\$ 8,500	\$ 5,080
18	Gas Control - Remote Monitoring & Control (Type1)	Unit Installed	-	\$ -	\$ -	65	\$ 126,989	\$ 12,025	10		\$ 2,654	10	\$ 151,000	\$ 2,919
19	GSO IT Application		-	\$ -	\$ -	-	\$ -	\$ 2,782	-		\$ 11,126			\$ 18,381
20	MWC 4A Total				\$ -			\$ 25,922			\$ 18,358			\$ 28,908
21	Main Replacement	Feet of Main	5,275	\$ 523	\$ 2,758	63,360	\$ 586	\$ 37,113	20,292	\$ 630	\$ 13,378	43,347	\$ 669	\$ 28,848
22	Service Replacement	Services Replaced	740	\$ 9,040	\$ 6,690	1,490	\$ 8,421	\$ 12,548	2,243	\$ (1,784)	\$ 8,948	2,472	\$ 5,927	\$ 14,643
23	Regulator Station	Reg Stations Addressed	24	\$ 258,966	\$ 6,215	57	\$ 261,175	\$ 14,887	15	\$ 683,034	\$ 10,455	23	\$ 607,156	\$ 13,962
24	Cathodic Protection	CP Systems Installed	-	\$ -	\$ 2,490	1,700	\$ 1,650	\$ 2,805	8	\$ 293,637	\$ 2,320	8	\$ 475,309	\$ 3,808
25	Valves	Equipment Deactivated	-	\$ -	\$ -	19	\$ 44,421	\$ 844	16	\$ 86,949	\$ 1,565	16	\$ 196,792	\$ 3,214
26	Overbuilds	Projects	-	\$ -	\$ -	18	\$ 305,556	\$ 5,500	127	\$ 36,509	\$ 4,820	156	\$ 46,706	\$ 7,288
27	Miscellaneous (3)		-	\$ -	\$ 1,784			\$ -			\$ 901			\$ 6,034
28	Electronic Pressure Monitoring (4)	Unit Installed	225	\$ 5,244	\$ 1,190			(5)			(5)			(5)
	Emergent Leaking Main Replacement (7)								6,110	\$ 868	\$ 4,569	6,110	\$ 866	\$ 5,302
	Leaking Service Replacement (7)								4,592	\$ 10,820	\$ 38,076	4,592	\$ 10,829	\$ 49,745
29	CP Remote Monitoring (3)	Unit Installed	1,722	\$ 1,484	\$ 2,555	-	\$ -	\$ -	-		\$ -	-		\$ -
30	MWC 50 Total				\$ 23,680			\$ 75,133			\$ 85,032			\$ 132,844
31	MWC 52 Total				\$ 297			\$ 596			\$ 369			\$ 645
32	Res Reg Replacement	Regulators	-	\$ -	\$ -	2,506	\$ 187	\$ 469	3,810	\$ 236	\$ 899	6,755	\$ 366	\$ 2,474
33	Comcl Non IRV Reg Replace	Regulators	-	\$ -	\$ -	17,670	\$ 699	\$ 12,344	-		\$ -			\$ -
34	Non-Res Reg Replace	Regulators	-	\$ -	\$ -	-	\$ -	\$ -	-		\$ -			\$ -
	Miscellaneous										\$ (629)			\$ (629)
35	MWC 74 Total				\$ -			\$ 12,812			\$ 271			\$ 1,846
36	Total				\$ 183,956			\$ 401,859			\$ 257,563			\$ 432,696

(1) 2013 GRC Forecast based on 2011 GRC Testimony Exhibit (PG&E-3) Chapter 19. In some cases, the 2013 GRC forecast numbers will not equal the Settlement Agreement Amount.
(2) 2013 Actual Units are based on projects with completed documentation.
(3) MWC 50 Miscellaneous includes various actual costs such as CP Remote Monitor.
(4) MWC 50 Electronic Pressure Monitoring is now included in MWC 4A for the Gas Distribution Control Center.
(5) All budget and actuals have been moved to MWC 4A (Lines 15-19).
(6) Unit costs only take into account non-recurring costs and year-to-year carry-over costs. This is why the unit cost is not equal to \$ Actuals/Units.
(7) This is a new MAT that was created after the beginning of the year budget process.

In Application 09-12-020, PG&E forecast the number of units it expected to complete within broad project categories, such as Gas Pipeline Replacement Program (GPRP) and Gas Distribution New Capacity. In total, PG&E spent over \$248.7 million more than the capital forecast in Application 09-12-020 for 2013 on gas distribution pipeline safety, integrity and reliability-related capital programs. Specifically, PG&E spent more on plastic pipe replacement, System Control and Data Acquisition Gas Control field installations, reliability and capacity main replacement, service replacements, and regulator stations than forecast. However, PG&E spent less than originally forecast for traditional GPRP. The following six areas have been added since the 2011 GRC: plastic pipe replacement, gas control field installations, customer meter regulator replacement, and high-pressure regulator replacement. The variances between the application and forecast spend are further explained in detail below.

MWC 14 – Gas Pipeline Replacement Program

In its testimony in Application 09-12-020, PG&E stated: “The financial forecast for MWC 14 for the years 2011-2013 was developed assuming the continuation of the GPRP and CSRP [Copper Service Replacement Program]. As DIMP is developed, funding for the traditional GPRP and CSRP programs will be reallocated to support new DIMP-driven expenditures.” (Exhibit (PG&E-3), Chapter 19, p. 19-4.) PG&E spent \$22.5 million less than the Application 09-12-020 forecast on traditional GPRP projects. The decreased GPRP spending in 2013 compared to the original GRC forecast was offset by increased spending on plastic pipe replacement, reliability main replacements with equivalent priorities to GPRP, and reliability regulator stations. In 2011, PG&E started a plastic pipe replacement program to address risks associated with Aldyl-A plastic pipe. PG&E replaced approximately 30 miles of plastic pipe for \$75 million in 2013. PG&E requested additional funding in its 2014 GRC for GPRP, but this funding would supplement, rather than replace, the funding received through Decision 11-05-018.

MWC 50 – Gas Distribution Reliability Program

PG&E spent \$26 million more than forecast in Application 09-12-020 on reliability main replacements, \$7.7 million more than forecast on reliability regulator replacements, and \$8 million more than forecast on reliability service

replacements. This large increased amount spent on services is due to a decision to replace instead of repair leaking services.

PG&E did not forecast in the 2011 GRC costs related to the Electronic Pressure Monitoring Program, the Cathodic Protection Remote Project, or Overbuilds. Overall, PG&E spent \$29.5 million more than forecast in Application 09-12-020 on these items.

- Electronic Pressure Monitoring Program – PG&E built a Gas Distribution Control Center in 2013 and spent \$18.4 million on this control center under MWC 4A. This project includes the installation of electronic pressure monitoring equipment to replace obsolete equipment and increase the number of pressure monitoring points. The expenditure for this work was forecast in Application 09-12-020 in MWC 50 and will be accounted for under MWC 4A. PG&E spent more dollars than forecast in Application 09-12-020.
- Cathodic Protection Remote Project – The Cathodic Protection Remote Project was piloted in 2012 for systemwide deployment in subsequent years. PG&E forecast additional expenditures for this project in its 2014 GRC application to supplement the build-out of this program. PG&E spent \$3.8 million in 2013 on cathodic protection in MWC 50.
- Overbuilds – These expenditures were not forecast in the 2011 GRC. Previous expenditures were accounted for under MWC 51 – Work at the Request of Others. Since this work is safety related, the accounting was moved to MWC 50 to be prioritized with other gas reliability work. PG&E spent \$7.3 million in 2013 on overbuilds in MWC 50.

MWC 27 – Meter Protection

In 2013, PG&E spent \$3.5 million more than forecast in Application 09-12-020 in MWC 27. PG&E completed all the meter protection work forecast in the 2011 GRC in 2013.

MWC 2K – Customer High-Pressure Regulator

The \$49.7 million expenditures planned at the beginning of 2013 for high-pressure regulator (HPR) repair or replacement were not forecast in the 2011 GRC because this work was a result of new findings during an accelerated gas transmission survey. HPRs are regulator sets that branch off a transmission line and reduce transmission pressure to provide gas service to less than

three customers. The results of the gas transmission survey uncovered a significant number of leaks associated with HPRs.

In 2011, PG&E began an aggressive program to rebuild or replace HPR-Type stations. At the beginning of the program, PG&E had approximately 4,700 such HPR sets. PG&E's target is to rebuild or replace approximately 410 of these HPR sets and/or small district regulator stations each year to address potential atmospheric corrosion and equipment deterioration.

MWC 47 – Gas Distribution Capacity

In 2013, PG&E spent \$6.1 million more than forecast in Application 09-12-020 for capacity main installations and \$0.1 million more for regulator station replacements.

MWC 4A – Gas Distribution Control Operations Assets

As mentioned above, PG&E stood up a Gas Distribution Control Center in 2013 to increase the safety and reliability of the gas distribution system. This new MWC accounts for cost for the installation of electronic pressure monitoring equipment to replace obsolete equipment and increase the number of control and pressure monitoring points. PG&E spent \$28.9 million in 2013 on MWC 4A. This plan will continue into the 2014 GRC period and beyond.

MWC 74 – Install New Gas Meters

MWC 74 was not forecast in the 2011 GRC for Gas Operations. For this reason, there are no units, unit costs or expenditures for the Gas Operations' portion of MWC 74 presented in Question 10. MWC 74 captures the capitalized labor associated with regulator replacements for residential and commercial customers. PG&E spent \$1.8 million in 2013 on MWC 74.

11. 2013 Planned Capital Projects

Request

At the beginning of each calendar year, describe the capital projects planned to be undertaken for the year.

Response

The projects undertaken in 2013 are set forth in Table 17-1.

12. Variance Explanations Between Settlement Agreement Allocations and Actual Spending

Request

To the extent PG&E does not fully spend the amounts for capital projects or O&M related to pipeline safety, integrity management, and reliability specified in the Settlement Agreement, explain the reasons for doing so.

Response

Tables 12-1 and 12-2 summarize the O&M and capital expenditures, respectively, related to pipeline safety, integrity management, and reliability. In 2013, in total and for each MWC, PG&E spent in excess of the total Settlement Agreement amounts for both expense and capital related to gas distribution pipeline safety, integrity and reliability.

**TABLE 12-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF DISTRIBUTION EXPENSE SETTLEMENT AGREEMENT AMOUNT VS. SPENDING COMPARISON
(IN THOUSANDS OF 2013 DOLLARS)**

MWC	MWC Description	Budget	GRC (2013 Settlement Agreement Allocation)	YTD Actuals (As of 12/31/13)	Difference (Actuals – Settlement Agreement Allocation)	Explanation
DD	Provide Field Service	\$85,505	\$75,242	\$98,294	\$23,052	Spending exceeded Settlement Agreement.
DE	Leak Survey	25,236	16,425	31,321	14,896	Spending exceeded Settlement Agreement.
DF	Locate and Mark	32,028	31,723	43,695	11,971	Spending exceeded Settlement Agreement.
DG	Cathodic Protection	12,652	11,412	13,577	2,165	Spending exceeded Settlement Agreement.
EX	Meter Protection	10,368	1,273	2,051	778	Spending exceeded Settlement Agreement.
FG	Operate Gas Distribution System	11,619	4,185	7,982	3,797	Spending exceeded Settlement Agreement.
FH	Gas Distribution Preventative Maintenance	19,793	17,955	31,489	13,534	Spending exceeded Settlement Agreement.
FI	Gas Distribution Corrective Maintenance	69,432	37,827	75,896	38,069	Spending exceeded Settlement Agreement.
GF	Operations Distribution – Gas Mapping	2,000	1,697	3,851	2,154	Spending exceeded Settlement Agreement.
GG	Gas Engineering	7,659	3,246	9,256	6,010	Spending exceeded Settlement Agreement.
HY	Change/Maint Used Gas Meters	11,881	n/a	15,128	15,128	MWC not included in Settlement Agreement.
JQ/JS	Distribution Integrity Management Program	32,978	20,500	27,574	7,074	Spending exceeded Settlement Agreement.
	Total	\$321,152	\$221,485	\$360,113	\$138,628	Total spending exceeded Settlement Agreement.

TABLE 12-2
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF DISTRIBUTION CAPITAL SETTLEMENT AGREEMENT AMOUNT VS. SPENDING COMPARISON
(IN THOUSANDS OF 2013 DOLLARS)

MWC	MWC Description	Budget	GRC (2013 Settlement Agreement Allocation)	YTD Actuals (As of 12/31/13)	Difference (Actuals – Settlement Agreement Allocation)	Explanation
14	Gas Pipeline Replacement Program	\$193,714	\$123,266	\$202,432	\$79,166	Spending exceeded Settlement Agreement.
27	Gas Meter Protection	993	593	4,199	3,606	Spending exceeded Settlement Agreement.
2J	GT&D Impl Regulatory Change	3,500	n/a	1,716	1,716	MWC not included in Settlement Agreement.
2K	G Cust HPR	49,660	n/a	40,064	40,064	MWC not included in Settlement Agreement.
47	Gas Distribution New Capacity	39,529	12,760	20,041	7,281	Spending exceeded Settlement Agreement.
4A	Gas Dist Control Operations Assets	25,922	n/a	28,908	28,908	MWC not included in Settlement Agreement.
50	Gas Distribution Reliability	75,133	20,660	132,844	112,184	Spending exceeded Settlement Agreement.
52	Gas Distribution Emergency Response	596	264	645	381	Spending exceeded Settlement Agreement.
74	Install New Gas Meters	12,812	n/a	1,846	1,846	MWC not included in Settlement Agreement.
	Total	\$401,859	\$157,543	\$432,695	\$275,152	Total spending exceeded Settlement Agreement

Project Descriptions and Status

13a. Capital Project Status

Request

Discuss status and progress of capital projects previously started and not completed.

Response

This information is set forth in Table 7-2, and is reflected as well in Table 17-1, Column 13 (Project Status).

13b. Pipeline Records

Request

Identify and explain any discrepancies found with pipeline records. Report if no records exist.

Response

Discrepancies found with pipeline records are reported when active facilities are not mapped, the facilities are on the map but not in the field, or when other inaccuracies are found in PG&E's maps. Table 13b-1 includes mapping corrections found during capital and O&M work and reported from July 1 through December 31, 2013.

**TABLE 13b-1
PACIFIC GAS AND ELECTRIC COMPANY
GAS MAPPING CORRECTIONS REPORT**

Line No.	Division	Date Rec'd by Mapping	Date Reported	Redacted	Discrepancy
1	DI	8/22/2013	8/22/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
2	DI	9/4/2013	9/5/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
3	EB	7/10/2013	7/10/2013		Facilities in field not on map
4	EB	5/30/2013	5/30/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
5	EB	7/17/2013	7/17/2013		Facilities in field not on map
6	EB	6/6/2013	6/6/2013		Facilities in field not on map
7	EB	7/22/2013	7/22/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
8	EB	6/10/2013	6/10/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
9	EB	6/26/2013	6/26/2013		Facilities on map not in field
10	EB	7/19/2013	7/19/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
11	EB	7/23/2013	7/23/2013		Facilities in field not on map
12	EB	6/15/2013	6/15/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
13	EB	7/22/2013	7/22/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
14	EB	7/22/2013	7/22/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
15	EB	6/22/2013	6/22/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
16	EB	6/18/2013	6/18/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
17	EB	10/14/2013	10/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
18	EB	11/13/2013	11/13/2013		Wrong size/type of equipment (tx. line equipment, valve, etc.)
19	EB	11/27/2013	11/27/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
20	EB	11/4/2013	11/4/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
21	EB	11/4/2013	11/4/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
22	FR	7/1/2013	7/1/2013		Facilities in field not on map
23	FR	7/11/2013	7/12/2013		Wrong size/type/number of equipment (tx. line equipment, valve, etc.)
24	FR	7/24/2013	7/24/2013		Facilities in field not on map
25	FR	8/30/2013	8/30/2013		Facilities in field not on map
26	FR	9/19/2013	9/19/2013		Facilities in field not on map
27	FR	9/26/2013	9/26/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
28	HB	8/5/2013	8/7/2013		Facilities in field not on map
29	HB	8/6/2013	8/8/2013		Facilities in field not on map
30	HB	10/17/2013	10/24/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
33	HB	12/9/2013	12/12/2013		Facilities in field not on map
34	KE	7/8/2013	7/12/2013		Facilities on map not in field
35	KE	10/16/2013	10/16/2013		Facilities on map not in field
36	KE	10/16/2013	10/16/2013		Facilities on map not in field
37	KE	10/16/2013	10/16/2013		Facilities on map not in field
38	KE	10/16/2013	10/16/2013		Facilities on map not in field
39	KE	10/16/2013	10/16/2013		Facilities on map not in field
40	KE	9/4/2013	9/4/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
41	KE	9/4/2013	9/4/2013		Facilities in field not on map
42	KE	8/6/2013	10/30/2013		Facilities in field not on map
43	KE	8/14/2013	10/30/2013		Facilities in field not on map
44	KE	7/16/2013	10/30/2013		Facilities on map not in field
45	KE	9/3/2013	10/30/2013		Facilities in field not on map
46	KE	7/17/2013	10/30/2013		Facilities in field not on map
47	KE	7/5/2013	10/30/2013		Facilities on map not in field
48	KE	5/8/2013	10/30/2013		Facilities in field not on map
49	KE	5/17/2013	10/30/2013		Wrong size/type of equipment (tx. line equipment, valve, etc.)
50	KE	9/9/2013	11/15/2013		Facilities in field not on map
51	KE	7/18/2013	11/15/2013		Facilities in field not on map
53	KE	6/11/2013	12/16/2013		Facilities in field not on map
54	KE	12/12/2013	12/16/2013		Facilities in field not on map
55	MI	7/24/2013	7/24/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
56	MI	7/26/2013	7/26/2013		Facilities in field not on map
57	MI	7/27/2013	7/29/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
58	MI	8/9/2013	8/9/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
59	MI	4/19/2013	4/19/2013		Facilities in field not on map
60	MI	1/22/2013	1/22/2013		Facilities in field not on map
61	MI	2/21/2013	4/1/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
62	MI	2/21/2013	4/1/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
63	MI	2/21/2013	4/1/2013		Facilities in field not on map
64	MI	10/4/2013	10/4/2013		Facilities in field not on map
65	MI	11/1/2013	11/1/2013		Facilities in field not on map
66	MI	11/4/2013	11/4/2013		Facilities in field not on map
67	MI	11/1/2013	11/1/2013		Facilities in field not on map
68	MI	11/15/2013	11/15/2013		Facilities on map not in field
69	MI	11/18/2013	11/18/2013		Facilities on map not in field
70	MI	11/1/2013	11/1/2013		Facilities in field not on map
71	MI	11/1/2013	11/1/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
72	NB	7/1/2013	7/1/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
73	NB	7/27/2013	7/27/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
74	NB	8/23/2013	8/23/2013		Facilities in field not on map
76	NB	9/4/2013	9/4/2013		Wrong size/type of equipment (tx. line equipment, valve, etc.)
77	NB	9/11/2013	9/11/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
78	NB	9/25/2013	9/25/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
79	NB	9/30/2013	9/30/2013		Facilities in field not on map
80	NB	10/17/2013	10/17/2013		Facilities in field not on map
81	NB	10/17/2013	10/17/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
82	NB	11/18/2013	11/18/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
83	NB	11/23/2013	11/23/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
84	NB	12/12/2013	12/12/2013		Facilities in field not on map
85	NB	7/12/2013	7/12/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
86	NB	8/9/2013	8/9/2013		Facilities in field not on map
87	NB	8/10/2013	8/10/2013		Facilities in field not on map
88	NB	8/13/2013	8/13/2013		Facilities on map not in field
89	NB	8/29/2013	8/29/2013		Facilities in field not on map
90	NB	8/29/2013	8/29/2013		Facilities in field not on map

**TABLE 13b-1
PACIFIC GAS AND ELECTRIC COMPANY
GAS MAPPING CORRECTIONS REPORT
(CONTINUED)**

Line No.	Division	Date Rec'd by Mapping	Date Reported	Redacted	Discrepancy
91	NB	9/4/2013	9/4/2013		Facilities in field not on map
92	NB	9/19/2013	9/19/2013		Facilities in field not on map
93	NB	10/5/2013	10/5/2013		Facilities in field not on map
94	NB	10/8/2013	10/8/2013		Facilities in field not on map
95	PN	7/10/2013	7/10/2013		Facilities in field not on map
97	PN	7/10/2013	7/10/2013		Facilities in field not on map
98	PN	7/16/2013	7/16/2013		Facilities in field not on map
99	PN	7/29/2013	7/29/2013		Facilities in field not on map
100	PN	7/29/2013	7/29/2013		Facilities in field not on map
101	PN	7/29/2013	7/29/2013		Facilities in field not on map
102	PN	7/29/2013	7/29/2013		Facilities in field not on map
103	PN	7/3/2013	7/10/2013		Facilities in field not on map
104	PN	8/1/2013	7/24/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
105	PN	7/10/2013	7/15/2013		Facilities in field not on map
106	PN	7/10/2013	7/15/2013		Facilities in field not on map
107	PN	7/16/2013	7/22/2013		Facilities in field not on map
108	PN	7/16/2013	7/29/2013		Facilities in field not on map
109	PN	7/19/2013	7/29/2013		Facilities in field not on map
110	PN	7/12/2013	7/29/2013		Facilities in field not on map
111	PN	7/22/2013	7/29/2013		Facilities in field not on map
112	PN	8/5/2013	7/30/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
113	PN	7/2/2013	7/2/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
114	PN	7/13/2013	7/13/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
115	PN	7/3/2013	7/3/2013		Facilities in field not on map
116	PN	8/27/2013	8/27/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
118	PN	8/22/2013	8/22/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
119	PN	8/14/2013	8/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
120	PN	8/14/2013	8/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
121	PN	8/14/2013	8/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
122	PN	8/14/2013	8/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
123	PN	8/15/2013	8/15/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
124	PN	8/16/2013	8/16/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
125	PN	8/12/2013	8/12/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
126	PN	8/14/2013	8/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
127	PN	8/15/2013	8/15/2013		Facilities in field not on map
128	PN	8/15/2013	8/15/2013		Facilities in field not on map
129	PN	8/15/2013	8/15/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
130	PN	8/29/2013	8/29/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
131	PN	9/11/2013	9/11/2013		Facilities in field not on map
132	PN	8/15/2013	8/24/2013		Facilities in field not on map
133	PN	9/11/2013	9/12/2013		Facilities in field not on map
134	PN	8/20/2013	8/20/2013		Wrong size/type/label of equipment (tx, line equipment, valve, etc.)
135	PN	7/13/2013	8/21/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
136	PN	6/20/2013	6/24/2013		Facilities on map not in field
137	PN	8/2/2013	8/19/2013		Facilities in field not on map
138	PN	6/14/2013	6/14/2013		Wrong size/type/label of equipment (tx, line equipment, valve, etc.)
139	PN	5/7/2013	8/22/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
140	PN	2/23/2013	2/23/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
141	PN	9/20/2013	9/20/2013		Facilities in field not on map
142	PN	9/12/2013	9/26/2013		Facilities in field not on map
143	PN	9/10/2013	9/26/2013		Facilities in field not on map
144	PN	10/9/2013	10/9/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
145	PN	9/26/2013	9/26/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
146	PN	10/4/2013	10/4/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
147	PN	8/29/2013	8/29/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
149	PN	10/14/2013	10/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
150	PN	10/14/2013	10/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
151	PN	10/14/2013	10/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
152	PN	7/22/2013	7/29/2013		Facilities in field not on map
153	PN	8/21/2013	8/23/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
154	PN	6/21/2013	6/21/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
155	PN	2/14/2008	12/31/2011		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
156	PN	5/8/2013	5/8/2013		Facilities in field not on map
157	PN	8/20/2013	8/20/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
158	PN	4/4/2013	6/13/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
159	PN	10/1/2013	10/1/2013		Facilities in field not on map
163	PN	3/16/2013	3/16/2013		Land base discrepancy (e.g. streets or property lines don't match)
169	PN	8/20/2013	8/20/2013		Land base discrepancy (e.g. streets or property lines don't match)
170	PN	11/14/2013	11/15/2013		Corrected CPA Boundaries
172	PN	11/14/2013	11/14/2013		Wrong size/type/label of equipment (tx, line equipment, valve, etc.)
174	PN	11/14/2013	11/14/2013		Wrong size/type/label of equipment (tx, line equipment, valve, etc.)
175	PN	11/25/2013	11/25/2013		Facilities in field not on map
176	PN	11/25/2013	11/25/2013		Facilities in field not on map
177	PN	10/8/2013	10/8/2013		Facilities in field not on map
178	PN	9/6/2013	10/1/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
179	PN	10/8/2013	10/14/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
180	PN	10/21/2013	10/21/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)

**TABLE 13b-1
PACIFIC GAS AND ELECTRIC COMPANY
GAS MAPPING CORRECTIONS REPORT
(CONTINUED)**

Line No.	Division	Date Rec'd by Mapping	Date Reported	Redacted	Discrepancy
181	PN	2/22/2013	2/23/2013		Facilities in field not on map
183	PN	1/13/2013	1/13/2013		Land base discrepancy (e.g. streets or property lines don't match)
184	PN	8/20/2013	8/20/2013		Facilities in field not on map
185	PN	8/20/2013	8/20/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
186	PN	8/19/2013	8/19/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
187	PN	8/20/2013	8/20/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
188	PN	9/10/2013	9/10/2013		Facilities on map not in field
189	PN	10/23/2013	10/23/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
190	PN	10/26/2013	10/26/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
191	PN	9/11/2013	9/11/2013		Facilities in field not on map
192	PN	10/4/2013	10/4/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
193	PN	11/15/2013	11/15/2013		Corrected CPA Boundaries
194	PN	12/18/2013	12/19/2013		Facilities on map not in field
195	PN	12/19/2013	12/19/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
196	PN	12/13/2013	12/13/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
197	PN	12/10/2013	12/10/2013		Facilities in field not on map
198	SA	7/12/2013	7/15/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
199	SA	7/12/2013	7/15/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
200	SA	7/15/2013	7/15/2013		Facilities on map not in field
201	SA	7/15/2013	7/15/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
202	SA	7/15/2013	7/15/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
203	SA	7/19/2013	7/19/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
204	SA	7/22/2013	7/22/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
205	SA	8/2/2013	8/2/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
206	SA	8/27/2013	8/27/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
207	SA	9/12/2013	9/12/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
208	SA	9/12/2013	9/12/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
209	SA	10/2/2013	10/2/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
210	SA	11/2/2013	11/2/2013		Facilities in field not on map
211	SF	7/16/2013	7/16/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
212	SF	7/22/2013	7/22/2013		Facilities in field not on map
213	SF	7/23/2013	7/23/2013		Wrong size/type/label of equipment (tx, line equipment, valve, etc.)
214	SF	7/23/2013	7/23/2013		Facilities in field not on map
215	SF	7/30/2013	7/30/2013		Facilities in field not on map
216	SF	8/19/2013	8/19/2013		Facilities in field not on map
217	SF	8/19/2013	8/19/2013		Facilities in field not on map
218	SF	8/16/2013	8/16/2013		Facilities in field not on map
219	SF	8/19/2013	8/19/2013		Facilities in field not on map
220	SF	8/19/2013	8/19/2013		Facilities in field not on map
221	SF	9/9/2013	9/9/2013		Facilities in field not on map
222	SF	9/9/2013	9/9/2013		Facilities in field not on map
223	SF	9/10/2013	9/10/2013		Facilities in field not on map
224	SF	9/10/2013	9/10/2013		Facilities in field not on map
225	SF	9/11/2013	9/11/2013		Facilities in field not on map
226	SF	9/11/2013	9/11/2013		Facilities in field not on map
227	SF	9/11/2013	9/11/2013		Facilities in field not on map
228	SF	9/11/2013	9/11/2013		Facilities in field not on map
229	SF	9/11/2013	9/11/2013		Facilities in field not on map
230	SF	9/12/2013	9/12/2013		Facilities in field not on map
231	SF	9/12/2013	9/12/2013		Facilities in field not on map
232	SF	9/12/2013	9/12/2013		Facilities in field not on map
233	SF	9/13/2013	9/13/2013		Facilities in field not on map
234	SF	9/13/2013	9/13/2013		Facilities in field not on map
235	SF	9/16/2013	9/16/2013		Facilities in field not on map
236	SF	9/16/2013	9/16/2013		Facilities in field not on map
237	SF	9/17/2013	9/17/2013		Facilities in field not on map
238	SF	9/17/2013	9/17/2013		Facilities in field not on map
239	SF	9/19/2013	9/19/2013		Facilities in field not on map
240	SF	9/20/2013	9/20/2013		Facilities in field not on map
241	SF	9/25/2013	9/25/2013		Facilities in field not on map
242	SF	10/10/2013	10/10/2013		Facilities in field not on map
243	SF	10/11/2013	10/11/2013		Facilities in field not on map
244	SF	10/16/2013	10/16/2013		Facilities in field not on map
245	SF	10/28/2013	10/28/2013		Facilities in field not on map
246	SF	10/23/2013	10/23/2013		Facilities in field not on map
247	SF	11/5/2013	11/5/2013		Facilities on map not in field
248	SF	11/7/2013	11/7/2013		Facilities in field not on map
249	SF	11/7/2013	11/7/2013		Facilities in field not on map
250	SO	7/15/2013	7/15/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
251	SO	7/18/2013	7/18/2013		Wrong size/type/label of equipment (tx, line equipment, valve, etc.)
252	SO	7/24/2013	7/24/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
253	SO	9/3/2013	9/3/2013		Facilities on map not in field
254	SO	9/20/2013	9/20/2013		Land base discrepancy (e.g. streets or property lines don't match)
255	SO	9/25/2013	9/25/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
256	SO	9/30/2013	9/30/2013		Land base discrepancy (e.g. streets or property lines don't match)
257	SO	10/1/2013	10/1/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
258	SO	10/1/2013	10/1/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
259	SO	10/1/2013	10/1/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
260	SO	9/20/2013	9/30/2013		Facilities in field not on map
261	SO	9/27/2013	9/27/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
262	SO	10/3/2013	10/3/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
263	SO	10/12/2013	10/12/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
265	SO	10/15/2013	10/15/2013		Facilities in field not on map

**TABLE 13b-1
PACIFIC GAS AND ELECTRIC COMPANY
GAS MAPPING CORRECTIONS REPORT
(CONTINUED)**

Line No.	Division	Date Rec'd by Mapping	Date Reported	Redacted	Discrepancy
266	SO	10/15/2013	10/15/2013		Facilities in field not on map
267	SO	10/10/2013	10/10/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
268	SO	10/14/2013	10/15/2013		Facilities in field not on map
269	SO	10/22/2013	10/22/2013		Facilities in field not on map
270	SO	10/29/2013	10/29/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
272	SO	11/1/2013	11/1/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
273	SO	11/1/2013	11/1/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
274	SO	10/31/2013	10/31/2013		Land base discrepancy (e.g. streets or property lines don't match)
275	SO	10/31/2013	10/31/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
276	SO	11/4/2013	11/4/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
277	SO	11/7/2013	11/7/2013		Facilities in field not on map
278	SO	11/12/2013	11/12/2013		Land base discrepancy (e.g. streets or property lines don't match)
280	SO	11/12/2013	11/12/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
281	SO	11/12/2013	11/12/2013		Land base discrepancy (e.g. streets or property lines don't match)
282	SO	11/12/2013	11/12/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
283	SO	11/18/2013	11/1/2013		Facilities on map not in field
284	SO	6/12/2013	6/21/2013		Facilities on map not in field
285	SO	4/29/2013	4/29/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
286	SO	10/31/2013	10/31/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
287	SO	11/5/2013	11/6/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
288	SO	11/1/2013	11/1/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
289	SO	7/22/2013	7/28/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
290	SO	7/18/2012	7/18/2012		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
291	SO	7/26/2013	8/26/2013		Facilities in field not on map
292	SO	8/24/2013	8/26/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
293	SO	8/2/2013	8/2/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
294	SO	3/8/2013	3/8/2013		Land base discrepancy (e.g. streets or property lines don't match)
295	SO	12/27/2013	12/30/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
296	SO	12/30/2013	12/31/2013		Facilities in field not on map
297	SO	12/27/2013	12/30/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
298	SO	12/19/2013	12/19/2013		Facilities on map not in field
299	SO	8/14/2013	8/16/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
300	SO	4/24/2013	4/24/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
301	SO	4/12/2013	4/12/2013		Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
302	SO	7/17/2013	7/17/2013		Facilities in field not on map
303	SO	7/16/2013	7/24/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
304	SO	7/9/2013	7/25/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
305	SO	7/9/2013	7/25/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
306	SO	7/27/2013	7/27/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
307	ST	7/23/2013	7/23/2013		Facilities on map not in field
308	ST	7/31/2013	7/31/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
309	ST	8/15/2013	8/15/2013		Facilities in field not on map
310	ST	8/20/2013	8/20/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
311	ST	8/23/2013	8/23/2013		Land base discrepancy (e.g. streets or property lines don't match)
312	ST	9/25/2013	9/25/2013		Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
313	ST	10/4/2013	10/4/2013		Facilities in field not on map
314	ST	12/23/2013	12/23/2013		Facilities in field not on map
315	YO	11/4/2013	11/4/2013		Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)

14a. Regulatory Requirement Driven Capital Projects

Request

Explain if a capital project is undertaken in response to a federal and/or Commission regulatory requirement or advisory and/or National Transportation Safety Board (NTSB) recommendation.

Response

Table 17-1, Column 14, identifies projects initiated in response to federal and/or Commission regulatory requirements or advisory and/or NTSB recommendations, including projects that were initiated as a result of a CPUC audit.

14b. Risk Management “Top 100” Projects

Request

Identify if project was/is on Risk Management Top 100 list or was/is in a “high consequence area”.

Response

Items 14b and 15 request information on gas distribution projects or pipelines that are on PG&E’s “Risk Management Top 100” list, or are in high consequence areas. Gas distribution pipelines have never been part of the Top 100 list, which has historically been applied only to gas transmission pipeline segments. Similarly, “high consequence area” is a federal definition that does not apply to gas distribution pipelines. See response to Item 15 for further discussion on risk ranking as part of DIMP.

15. Most Recent Risk Management “Top 100” Projects

Request

Include most recent Risk Management Top 100 report if it includes gas distribution pipelines; identify changes from the prior report and explain why the changes were made.

Response

As explained in response to Item 14b, the Top 100 list applied only to gas transmission pipeline segments and was never applied to gas distribution. The Company performs distribution relative risk ranking as part of its Distribution Integrity Management Program. However, the relative risk ranking does not produce a listing of pipeline segments. The risk ranking methodology and results were provided to the CPUC during the 2012 DIMP Audit. The risk ranking is performed on an annual basis as part of the DIMP. The 2013 and 2014 risk ranking results will be provided again during the CPUC DIMP Audit in 2014.

16. Distribution Pipeline Inspection Plan

Request

Include most recent distribution pipeline inspection plan showing inspection methods to be used for specific pipeline segments and progress to plan.

Note and explain any changes to the prior plan. Report on inspection results, identify and describe any discrepancies found with pipeline records. Report if no records exist.

Response

PG&E's gas distribution pipeline inspection plan is shown in Table 16-1. The table shows the MWC that the inspection activity is under as well as the inspection method along with a brief description. Progress toward the inspection plan is shown under the "Units Planned" and "Units Completed" columns. A summary of the results of each inspection method is also included. For a list of records discrepancies, please see Table 13b-1.

**TABLE 16-1
PACIFIC GAS AND ELECTRIC COMPANY
DISTRIBUTION PIPELINE INSPECTION PLAN AND PROGRESS-TO-PLAN**

MWC	Inspection Method	Description	Units Planned (1/1/2013-12/31/2013)	Units Completed (1/1/2013-6/30/2013)	Units Completed (7/1/2013-12/31/2013)	Total Units Completed in 2013	Results
DE	Leak Survey	Gas Distribution leak survey is conducted either annually, every 3 years, or every 5 years depending on the type of facility. Leak survey involves taking instrument 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).	825,829 Services	492,604 Services	368,891 Services	861,495 services	Leak survey planned differs from leak survey actual due to the fluctuation in facility counts because of the additions of new subdivisions, businesses, etc. from last historic leak survey. As a result of the leak survey inspections through the second reporting period of 2013, 13,038 leaks were found. PG&E repaired 24,501 leaks in the second reporting period. 1,152 Grade 1 leaks found; 3,977 repaired 1,327 Grade 2+ leaks found; 2,750 repaired 4,106 Grade 2 leaks found; 9,895 repaired 6,453 Grade 3 leaks found; 7,878 repaired The reason the number of repairs completed is more than the number found in the more serious leak categories is because repairs were done to leaks reported prior to the reporting period of 7/1 - 12/31/13, or were reported by customers or PG&E employees other than leak surveyors.
DF	Standby/Field Meets	Whenever excavation work is being performed on gas distribution critical facilities, a field meet with the contractor and a standby employee, present on site while the pipeline is exposed, are both required. These inspections are performed "as-needed" based on the location of excavation.	369,569 L&M Tickets	178,434 L&M Tickets	190,297 L&M Tickets	368,731 L&M Tickets	As a result of the Locate & Mark (L&M) tickets during the second reporting period of 2013, 1,529 required standby, while an annual total of 2,885 required standby. Units planned are based on an average of the previous year's totals. Not as many inspections were needed for 2013 and that is why there is a reduction between planned L&M tickets and actual L&M tickets.
DG	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. On Gas Distribution, pipe-to-soil reads are taken every other month (bi-monthly) on CP Areas, yearly reads on steel mains protected by a localing wire, annually on short isolated sections of main as well as sections read once every 10 years. Rectifiers are required to be read, at a minimum, annually.	51,691 Reads	26,062 Reads	25,873 Reads	51,935 Reads	As a result of the cathodic protection monitoring during the first reporting period of 2013, 1,931 corrective troubleshooting notifications were completed. As a result of the cathodic protection monitoring during the second reporting period of 2013, 2,694 corrective troubleshooting notifications were completed.
DG	Isolated Steel Service Program	All distribution services that have been identified as being cathodically isolated from the distribution main are visited once every 10 years. A pipe-to-soil read is taken to make sure the service is under adequate cathodic protection.	12,187 Services	3,600 Services	2196 Services	5,796 Services	In 2012, 12,187 services were categorized as a CGI (Can't Get In) due to access issues. In 2013, 5,796 of the CGIs were assessed. The remaining CGIs are planned to be bundled with other maintenance work associated with meters that are generally inaccessible and require customer contact.
EX	Meter Protection Inspection	The physical locations in the Meter Protection database are being inspected to validate the information.	0 Locations	2,458 Locations	643 Locations	3,101 Locations	Meter protection inspections is a non-recurring effort needed to true up a backlog of possible sites in need of protection. Most of the work was completed in 2012. Ongoing inspection and evaluation of customer meter vulnerability is a part of observations made in the conduct of other inspections and maintenance work.
FH	District Regulator Maintenance	Gas Distribution district regulator stations receive two different types of inspection maintenance. 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 8 years.	3,951 District Reg. Run Inspections	2,046 District Reg. Run Inspections	1,843 District Reg. Run Inspections	3,889 District Reg. Run Inspections	As a result of the district regulator maintenance inspections during the second reporting period of 2013, 687 corrective notifications were completed. District regulator maintenance year-end totals fluctuated from beginning year planned as a result of removal of regulator runs, change of asset classification, and a continued effort to validate field assets.
FH	Valve Maintenance	Gas Distribution valve maintenance involves operating and inspecting the valves on an annual basis.	6,067 Valve Inspections	3,448 Valve Inspections	2,639 Valve Inspections	6,087 Valve Inspections	As a result of the valve maintenance inspections during the first reporting period of 2013, 17 corrective notifications were completed. As a result of the valve maintenance inspections during the second reporting period of 2013, 72 corrective notifications were completed.
FH / JS	Atmospheric Corrosion (AC) Inspections	AC Inspections involve a visual inspection of all above ground/exposed pipeline facilities that could be subject to atmospheric corrosion. This inspection is performed every 3 years.	1,096,288 Inspections	924,914 Inspections	43,460 Inspections	968,374 Inspections	AC inspections during the second reporting period of 2013 identified 5,600 locations for corrective action follow-up, for a total of 49,060 locations requiring atmospheric corrosion mitigation in 2013. Variance from Plan: 1. 57,908 meters in San Francisco (SF) were removed from the 1,096,288 originally planned for the 2013 inspection schedule, resulting in a revised total planned inspections of 1,038,380 meters. The SF meters were previously inspected in September 2012 with the resulting inaccessible Can't Get Ins (CGIs) completed in January 2013. These 57,908 meters are still in compliance, but will need to be inspected in 2015. 2. Remaining variance of 70,006 units are a result of approximately 6,700 CGI locations that will be managed and inspected in 2014 via a centralized CGI program. The number of meters at an address can range from approximately 1-50 meters serving single family homes up to multi-story apartment buildings. These 6,700 CGI locations (equivalent to 70,006 meters) in conjunction with the 57,908 San Francisco meters account for the difference between the units planned and the units completed.

1 Data produced from centrally available electronic data sources where accurate and specific data is available.

Note:
MWC FH: Originally included Atmospheric Corrosion inspection and correction on meters. An improved process was implemented, and this work is now being accounted for under MWC JS (DIMP).

17. Project Descriptions

Request

Project descriptions shall include the following:

- a) *Project name*
- b) *Work description: Provide details of work to be undertaken*
- c) *Purpose: Explain why the work is necessary*
- d) *Timeframe: Start to completion, including significant milestones.*
- e) *Pipeline number*
- f) *Mileposts*
- g) *Geographical coordinates and location (city, place name, county)*
- h) *Pipeline map*
- i) *Class location*
- j) *Identify if pipeline is in a high consequence area*
- k) *Vintage of each pipeline segment and year installed*
- l) *Manufacturer of the pipe*
- m) *Whether the pipe is seamless or non-seamless*
- n) *Maximum allowable operating pressure of the pipeline*
- o) *Operating pressure*
- p) *Pipeline dimensions (diameter, thickness, length) of each segment*
- q) *Areas and communities the pipeline is providing service to*
- r) *Explain how work on pipeline will affect service*
- s) *Explain how work on pipeline might affect (such as operating pressure) the operation of other distribution pipelines and facilities connected to the project*
- t) *For exposed pipelines: Examine for external defects and report results*
- u) *For removed pipelines: Examine for external and internal defects and report results*

Response

Tables 17-1 through 17-4 provide the information requested and are described below:

- Table 17-1 lists all projects with applicable project details.
- Table 17-2 describes the history of plastic pipe and plastic pipe dimensions.
- Table 17-3 describes the steel pipe dimensions.
- Table 17-4 shows the results of all gas inspection reports for the period July 1 through December 31, 2013. Table 17-4 is a summary of the results from

- inspections performed when a pipeline is exposed. This can also include the internal inspection when applicable.
- a) Table 17-1, Column 17a – The project name is the order description.
 - b) Table 17-1, Column 17b – Work description is the Maintenance Activity Type code which describes the category of work for this project. This includes the range of years the deactivated pipe was installed by material. Also included is the length in footage and diameter of the deactivated pipe by material.
 - c) Table 17-1, Column 17c – Purpose of the work is the program that the work is being funded under.
 - d) See Table 7-2 – Timeframe includes the planned and actual start and finish dates for construction.
 - e) Not Applicable – Pipeline number is used specifically for transmission.
 - f) Not Applicable – Mileposts are used specifically for transmission, however, location information is provided in Columns 17g and 17h.
 - g) Table 17-1, Column 17g – GIS coordinates are not available for gas distribution, however, the division and city for the project is provided.
 - h) Table 17-1, Column 17h – Pipeline Map is the Map and Plat or Facility.
 - i) Not Applicable – Class location does not apply to distribution facilities.
 - j) Not Applicable – “High Consequence Area” does not apply to distribution facilities.
 - k) Table 17-1, Column 17k – Pipe vintage is defined by the range of years the installed pipe was manufactured. This information is only available for projects that are completed. The year installed is the year the project was completed.
 - l) Table 17-1, Column 17l – Manufacturer is noted for pipe installed on the completed project. The information in Table 17-1 is based on construction as-builts. Tables 17-2 and 17-3 list the approved manufacturers for plastic and steel pipe.
 - m) Table 17-1, Column 17m – For steel pipe, Table 17-1 sets forth whether the pipe is seamless or non-seamless on the completed project.
 - n) Table 17-1, Column 17n – Table 17-1 sets forth the Maximum Allowable Operating Pressure (MAOP) of the pipeline for the final system at the completion of the project. For regulator stations, the MAOP is for the system at the outlet of the station.

- o) Table 17-1, Column 17o – Table 17-1 sets forth the operating pressure of the pipeline for the final system at the completion of the project. For regulator stations, the operating pressure will be for the system at the outlet of the station.
- p) Table 17-1, Column 17p – Pipeline dimensions sets forth the diameter and length in footage by material for pipe installed. Tables 17-2 and 17-3 set forth the standard thickness for plastic and steel pipe.
- q) Table 17-1, Column 17g – Areas and communities the pipeline serves.
- r) Table 17-1, Column 17r – Sets forth the number of gas services anticipated to have a service interruption due to the project.
- s) Table 17-1, Column 17s – The effect on the operation of other distribution pipelines and facilities connected to the project are described as the pressure changes due to the project. This notes the changes in the MAOP or Net Open Percentage of the system or the increase in capacity for the low pressure point of the gas system.
- t) Table 17-4 – For exposed pipelines, external defect report results are included.
- u) Table 17-4 – For removed pipelines, external and internal defects and report results are included.

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS**

Line No.	13	14	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
1	Documentation	No	30887589	Redacted	Gas Pipeline Replacement Program	Steel 1930-1940	1886' of 3" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0005 PLAT F13, WALL 0005 PLAT F14	2012	2012	DRISCOPEX		60	50	PSIG	2122' of 2" PLHP	Refer to Attachment 17.2	60	None
2	Complete	No	30887591		Gas Pipeline Replacement Program	Steel 1950-1950 Wrought Iron 1928-1936	98' of 3" Steel 995' of 3" Wrought Iron	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT D8, WALL 0007 PLAT D9	2011	2013	DRISCOPEX	N/A	25	15	PSIG	1030' of 2"PLSHP	Refer to Attachment 17.2	16	None
3	Complete	No	30887592		Gas Pipeline Replacement Program	Aldyl-A 1983-1983 Steel 1939-1940	80' of 3" Aldyl-A 1645' of 3" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0001 PLAT E13, WALL 0001 PLAT E14, WALL 0001 PLAT F13, WALL 0001 PLAT F14	2012	2012	DRISCOPEX	N/A	60	50	PSIG	1614' of 2"PLHP	Refer to Attachment 17.2	42	None
4	Documentation	No	30956470		Gas Pipeline Replacement Program	Wrought Iron 1923-1925	310' of 3" Wrought Iron	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT C12, WALL 0007 PLAT C13					25	15	PSIG	320' of 2"PLSHP	Refer to Attachment 17.2	None	None
5	Documentation	No	30956471		Gas Pipeline Replacement Program	Steel 1930-1967	115' of 2" Steel 829' of 3" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0010 PLAT D4					25	15	PSIG	890' of 2"PLSHP	Refer to Attachment 17.2	24	None
6	Complete	No	30956473		Gas Pipeline Replacement Program	Aldyl-A 76-76 Steel 1937-1938	80' of 1-1/4" Aldyl-A 198' of 2" Steel 355' of 3" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0010 PLAT B1	12/11/2012 for 2" 1/15/2013 for 1-1/4"	2013	DRISCOPEX	N	25	15	PSIG	420' of 2"PLSHP	Refer to Attachment 17.2	17	None
7	Design	No	30956474		Gas Pipeline Replacement Program	Steel 1937	1465' of 2" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT D16, WALL 0007 PLAT E16					25	15	PSIG	1465' of 2"STL & 3"PL SHP	Refer to Attachment 17.2 Refer to Attachment 17.3	33	None
8	Complete	No	30956476		Gas Pipeline Replacement Program	Steel 1926-1984	1033' of 2" Steel	Pipeline Repl Program	East Bay	Richmond	WALL 0002 PLAT C10	4/28/2013	2013	DRISCOPEX	N/A	60	50	PSIG	455' of 2"PLHP	Refer to Attachment 17.3	8	None
9	Construction	No	30956564		Gas Pipeline Replacement Program	Aldyl-A 1972-1972 Steel 1931-1977	238' of 1-1/4" Aldyl-A 2551' of 12" Steel 840' of 2" Steel 233' of 3" Steel 73' of 4" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT D13, WALL 0007 PLAT E13, WALL 0007 PLAT E14					25	15	PSIG	2730' of 8"STL, 3"STL, 2"PL	Refer to Attachment 17.2 Refer to Attachment 17.3	24	None
10	Documentation	No	30956568		Gas Pipeline Replacement Program	Steel 1939-1940	1269' of 3" Steel	Pipeline Repl Program	East Bay	Richmond	WALL 0001 PLAT F10, WALL 0001 PLAT F11					60	50	PSIG	1070' of 2"PLHP	Refer to Attachment 17.2	45	None
11	Documentation	No	30956570		Gas Pipeline Replacement Program	Steel 1936-1936	1100' of 3" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT E11, WALL 0007 PLAT E12					25	15	PSIG	930' of 2"PLSHP	Refer to Attachment 17.2	43	Uprate
12	Documentation	No	30865996		Gas Pipeline Replacement Program	Cast Iron 1923-1949 Steel 1931-1958	490' of 3" Steel 4465' of 4" Cast Iron 505' of 4" Steel 205' of 6" Cast Iron 195' of 8" Cast Iron	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT G7, H6, H7 & H8					HP: 60 LP: 10.5	HP: 54 LP: 8.5	HP: PSIG LP: Inches of WC	340' of 2" HP PL 1450' of 4" LP PL 925' of 6" LP PL 3,330' of 2" HP PL	Refer to Attachment 17.2	None	None
13	Complete	No	30881405		Gas Pipeline Replacement Program	Cast Iron 1923-1928-Steel -1924-1925	424' of 2" Steel 642' of 3" Steel 2046' of 4" Cast Iron	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT C6 & B6 3869-H3	2" Plastic 12-28-11 4" Plastic 5-9-12 6-19-12	2012	DRISCOPEX	N/A	60	54	PSIG	1056' of 2" PL 725' of 4" PL	Refer to Attachment 17.2	None	None
14	Design	No	30941324		Gas Pipeline Replacement Program	Cast Iron - 1924	2010' of 8" Cast Iron	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT E5					60	54	PSIG	3,750' of 8" PL	Refer to Attachment 17.2	None	None
15	Pre-Construction	No	30945282		Gas Pipeline Replacement Program	Steel 1936-1936	1250' of 4" Steel	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT F8					60	54	PSIG	750' of 4" PL	Refer to Attachment 17.2	None	None
16	Documentation	No	30835391		Gas Pipeline Replacement Program	Steel 1929-1939	1500' of 2" Steel	Pipeline Repl Program	North Bay	San Rafael	WALL 2926 PLAT I7					57	51	PSIG	1719 ft of 2" PLHP	Refer to Attachment 17.2	39	No significant changes

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
17	Complete	No	30874152	Redacted	Gas Pipeline Replacement Program	Steel 1927-1956	1395' of 2" Steel	Pipeline Repl Program	North Bay	San Rafael	WALL 2985 PLAT B1	2" Driscoplex 4-5-12 5-22-12 9-23-12	2012	Driscoplex	Y	57	51	PSIG	1435 ft of 2" PLHP	Refer to Attachment 17.2	12	No significant changes	
18	Construction	No	30958510		Gas Pipeline Replacement Program	Plastic 1985-1985 Steel 1930-1930	495' of 2" Steel 630' of 3" Steel	Pipeline Repl Program	North Bay	Vallejo	WALL 2909 PLAT H2, H3						25	22	PSIG	675 ft of 2" PLSHP 345 ft of 4" PLSHP	Refer to Attachment 17.2	24	No significant changes
19	Complete	No	30967075		Gas Pipeline Replacement Program	Steel 1923-1928	650' of 2" Steel	Pipeline Repl Program	North Bay	San Rafael	WALL 2927 PLAT I1	2" Driscoplex 7-8-12	2013	Driscoplex	Y	57	51	PSIG	650 ft of 2" PLHP	Refer to Attachment 17.2	18	No significant changes	
20	Documentation	No	30977261		Gas Pipeline Replacement Program	Steel 1939-1966	560' of 3" Steel	Pipeline Repl Program	North Bay	Vallejo	WALL 2842 PLAT J8						25	21	PSIG	17 ft of 2" PLSHP 564 ft of 4" PLSHP	Refer to Attachment 17.2	11	No significant changes
21	Documentation	No	30929891		Gas Pipeline Replacement Program	Aldyl-A 1971-1971 Steel 1927-1928	305' of 1-1/4" Aldyl-A 1747' of 2" Steel	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2768 PLAT H6 BLOCK 30						50	47	PSIG	2" PL Main: 1345 LF (Proposed)	Refer to Attachment 17.2	28 Service insert 1 Service transfer	No significant changes
22	Pre-Construction	No	30935109		Gas Pipeline Replacement Program	Steel 1930-1960	2005' of 2" Steel 555' of 6" Steel	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2504 PLAT D2, WALL 2504 PLAT D1						50	47	PSIG	2" PL Main: 2200 LF (Proposed) 6" PL Main: 560 LF (Proposed)	Refer to Attachment 17.2	49 Services rerun 5 Services CT&T	No significant changes
23	Complete	No	30889978		Gas Pipeline Replacement Program	Aldyl-A 1974-1978 Plastic 1991-2009 Steel 1925-1977 Wrought Iron 1923-1926	303' of 2" Wrought Iron 51' of 3" Steel 428' of 3" Wrought Iron	Pipeline Repl Program	North Valley	Chico	WALL 1909 PLAT E4/F4/E5/F5	1" Driscoplex 9/14/12 2" Driscoplex 7/1/12	2012 and 2013	Driscoplex	Y	55 12	50 10	PSIG	720' of 2" PL	Refer to Attachment 17.2	17 replaced services 2 deactivated services	No significant changes (GPRP removal)	
24	Complete	No	30916076		Gas Pipeline Replacement Program	Wrought Iron 1927-1929 Steel 1932-1949	2691' of 2" Wrought Iron 140' of 2" Steel	Pipeline Repl Program	North Valley	Chico	WALL 1969 PLAT J1/J3		2012	2013	DRISCOPLX	N/A	60	55	PSIG	2900' of 2" PL	Refer to Attachment 17.2	47 replaced services 3 transferred services 2 cut off services	No significant changes (GPRP removal)
25	Complete	No	30837951		Gas Pipeline Replacement Program	Steel 1926-1966	3243' of 2" Steel	Pipeline Repl Program	Peninsula	Burlingame	3213-E6, 3213-F6	5/4/12, 5/19/12, 6/26/12	2012	DRISCOPLX	N/A	34	31	PSIG	3,301' of 2" plastic pipe	Refer to Attachment 17.2	43 services	No significant changes	
26	Design	No	30940731		Gas Pipeline Replacement Program	Steel 1923-1932	1240' of 2" Steel	Pipeline Repl Program	Peninsula	Burlingame	WALL 3213 PLAT E8						34	31	PSIG	1,240' of 2" plastic pipe	Refer to Attachment 17.2	21 services	No significant changes
27	Complete	No	30827449		Gas Pipeline Replacement Program	Steel 1938-1969 Wrought Iron 1927-1932	368' of 1-1/4" Steel 1186' of 2" Steel 1650' of 2" Wrought Iron	Pipeline Repl Program	Sacramento	Davis	WALL 2582 PLAT B6, C5 and C6	3/4/2012	2012	DRISCOPLX	Y	55	52	PSIG	3178-ft of 2-inch plastic 30-ft of 2-inch steel	Refer to Attachment 17.2 Refer to Attachment 17.3	Replaced 25 services Transferred 7 services Altered 6 service	None	
28	Documentation	No	30874357		Gas Pipeline Replacement Program	1927	800' of 4" Steel	Pipeline Repl Program	San Jose	Cinnabar	WALL 3412 PLAT B6						60	57	PSIG	288' of 1" Plastic 760' of 2" Plastic	Refer to Attachment 17.2	19 Services	Transition pipe being replaced from low pressure to high pressure
29	Complete	No	30817483		Gas Pipeline Replacement Program	Cast Iron 1919 Steel 1938	195' of 4" Steel 438' of 2" Steel 469' of 4" Cast Iron	Pipeline Repl Program	Stockton	Stockton	WALL 3004 PLAT C8	11/19/11;02/29/12; 06/20/12;06/17/12	2013	Driscoplex	N/A	59	55	PSIG	1,175 of 4" Plastic 1,773 of 1" Plastic	Refer to Attachment 17.2	Replace 25 SVC Install 5 SVC	No significant changes	
30	Complete	No	30988125		Gas Pipeline Replacement Program	Plastic 1975-2010 Steel 1915-1974	51' of 1" Plastic 888' of 1-1/4" Steel 953' of 2" Steel 43' of 6" Plastic	Pipeline Repl Program	Stockton	Stockton	WALL 2870 PLAT E3 BLOCK 50	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report		10.5	7	WC	1158' of 6" Plastic 748' of 4" Plastic	Refer to Attachment 17.2	Replace 23 Svcs Transfer 2 Svcs Abandon 1 Svcs	Project not installed yet
31	Complete	No	30942110		Gas Pipeline Replacement Program	Steel 1932-1933	1130' of 4" Steel	Pipeline Repl Program	Stockton	Manteca	WALL 3004 PLAT F8 BLOCK 47	10/20/11; 12/30/11; 12/31/11	2013	Driscoplex	N/A	10.5	7	WC	1086' of 4" Plastic	Refer to Attachment 17.2	Transfer 3 Svcs Insert 0 Svcs Direct bury 18 Svcs	No significant changes	
32	Documentation	No	30966786		Gas Pipeline Replacement Program	Aldyl-A 1973-1979 Steel 1906-1971	122' of 1" Aldyl-A 39' of 1" Steel 60' of 1-1/4" Aldyl-A 1478' of 1-1/4" Steel 175' of 2" Aldyl-A 380' of 3" Steel 1937' of 4" Steel 970' of 6" Steel 315' of 8" Steel	Pipeline Repl Program	Stockton	Stockton	WALL 2870 PLAT D3 WALL 2870 PLAT E3						10.5	7	WC	1710' of 6" Plastic	Refer to Attachment 17.2	Replace 14 Svcs Transfer 7 Svcs Install 5 Svcs	No significant changes
33	Documentation	No	30900990		Gas Pipeline Replacement Program	Cast Iron 1924-1924 Steel 1938-1965	125' of 1-1/4" Steel 77' of 2" Steel 318' of 4" Cast Iron 952' of 4" Steel	Pipeline Repl Program	Yosemite	Modesto	WALL 3177 PLAT J6						60PSI 10.5 inH2O	54 PSI 8.5 in H2O	PSI/in H2O	795 Ft 2" PL 560 Ft 4" PL	Refer to Attachment 17.2	None	None

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13	14	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
34	Documentation	No	30948864	Redacted	Gas Pipeline Replacement Program	Steel 31-31	181' of 3" Steel 721' of 4" Steel	Pipeline Repl Program	Yosemite	Modesto	WALL 3177 PLAT I6&H6					60	54	PSI	943 Ft 2" PL	Refer to Attachment 17.2	None	None	
35	Complete	No	30969454		Gas Pipeline Replacement Program	Steel 1918	32' of 1-1/4" Steel 950' of 2" Steel 210' of 3" Steel 400' of 4" Steel	Pipeline Repl Program	Yosemite	Oakdale	WALL 3122 PLAT G8		2012 2013	2013	Driscoplex	N/A	60	54	PSI	1680 Ft 2" PL	Refer to Attachment 17.2	None	None
36	Complete	No	30829739		Gas Pipeline Replacement Program	Cast Iron 1920-1928 Steel 1928-1958	1068' of 4" Cast Iron 965' of 4" Steel 153' of 6" Cast Iron 65' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	3E12, 3D12C, 3D12D	As-builts not available at the time of report	2013	As-builts not available at the time of report	N/A	60	50	PSIG	1200'-2" PLHP 60'-4" PLLP	Refer to Attachment 17.2	38 replaced 12 transferred 14 converted	Uprate 753' of PLLP main to PLHP	
37	Complete	No	30861549		Gas Pipeline Replacement Program	Cast Iron 1926-1928 Steel 1928-1962	1735' of 12" Cast Iron 1433' of 12" Steel 920' of 2" Steel 210' of 4" Cast Iron 1685' of 4" Steel 245' of 6" Cast Iron 274' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3E12, 3E11C, 3E11D, 3F11A, 3F11B	4/10/2012 6" Steel: Stock 8" Steel: Stock	2012	DRISCOPLX 6" Steel: Stock 8" Steel: Stock	6" Steel: Stock 8" Steel: Stock	60	50	PSIG	2893'- 2" PLHP 1709'-4" PLHP 113'-6" STLHP 187'-8" STLLP	Refer to Attachment 17.2 Refer to Attachment 17.3	113 replaced 21 transferred	LP TO HP	
38	Complete	No	30867720		Gas Pipeline Replacement Program	Aldyl-A 1975-1975 Cast Iron 1938-1938 Plastic 1998-1998 Steel 1934- 1958	149' of 4" Aldyl-A 3192' of 4" Cast Iron 891' of 4" Steel 539' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	5A15A, 5A15B	4/10/2012	2012	DRISCOPLX	N/A	60	50	PSIG	624'-4" PLLP 105'-4" PLLP 4"-6" PLHP 1125'-4" PLHP 450'-4" PLHP 2660'-2" PLHP	Refer to Attachment 17.2	158 replaced 65 transfer 3 cut	LP TO HP	
39	Complete	No	30868408		Gas Pipeline Replacement Program	Cast Iron 1911-1927	2763' of 4" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	4E05C, 4F05A, 4F05B, 4E05D	2-22-12 4-14-12 8-27-12	2012	DRISCOPLX	N/A	10.5"	10"	W.C.	1109'-4" PLLP 1787'-6" PLLP	Refer to Attachment 17.2	59 replaced 54 transferred	LP TO HP	
40	Complete	No	30868411		Gas Pipeline Replacement Program	Cast Iron 1925-1932 Plastic 2011-2012 Steel 1927-1956	96' of 2" Plastic 318' of 4" Cast Iron 62' of 4" Plastic 1790' of 4" Steel 1671' of 6" Cast Iron 793' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3E12, 3E13C	7-21-11 9-17-11 10-9-11 12-20-11 12-22-11 12-28-11 12-29-11 12-31-11 1-08-12 2-20-12 4-02-12 4-20-12 6-06-12 8-16-12	2012	DRISCOPLX	N/A	60	50	PSIG	745'-2" PLHP 355'-2" PLHP 1745'-4" PLHP 218'-4" PLLP 266'-6" PLLP	Refer to Attachment 17.2	69 replaced 26 transferred	LP TO HP	
41	Documentation	No	30868586		Gas Pipeline Replacement Program	Cast Iron 1922-1931 Steel 1927-1963	3269' of 4" Cast Iron 1829' of 4" Steel 651' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3D12A, 3D12C, 3D12D					60	50	PSIG	4454'-2" PLHP 974'-2" PLHP 750'-4" PLHP 600'-2" PLHP	Refer to Attachment 17.2	116 replaced 16 transferred 12 convert 1 cut off	Uprate: 915'-6" STL main. 150'-4" PL main 200'-2" PL main.	
42	Complete	No	30869181		Gas Pipeline Replacement Program	Cast Iron 1916-1958 Steel 1951-1974	1275' of 4" Cast Iron 4027' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3D12A, 3D12C, 3D12B, 3B12D	12-10-11 1-01-12 1-07-12 1-18-12 2-18-12 4-02-12 4-09-12 5-23-12 5-29-12 6-03-12 8-25-12	2012	DRISCOPLX POLYPIPE	N/A	60	50	PSIG	430'-2" PLHP 1622'-2" PLHP 1329'-4" PLHP 381'-6" PLHP	Refer to Attachment 17.2	99 replaced 1 transferred 3 converted	Uprate: 879' of 6" STL main	
43	Complete	No	30878470		Gas Pipeline Replacement Program	Cast Iron 1926-1928 Steel 1913-1968	532' of 2" Steel 1619' of 4" Cast Iron 1213' of 4" Steel 250' of 6" Cast Iron 1225' of 6" Steel 881' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	4E03A, 4E03B, 4E03C, 4E03D	9/15/10 11/14/10 11/20/10 11/5/11 3/3/12 4/2/12 4/14/12 3" Steel: Stock 6" Steel: Stock	2012	DRISCOPLX 3" Steel: Stock 6" Steel: Stock	3" Steel: Stock 6" Steel: Stock	60	50	PSIG	2137'-2" PLHP 1054'-2" PLHP 10'-3" STLLP 952'-8" PLHP 347'-6" STLLP	Refer to Attachment 17.2 Refer to Attachment 17.3	144 replaced 32 transferred	LP TO HP	
44	Complete	No	30878471		Gas Pipeline Replacement Program	Steel 1912-1996	3023' of 2" Steel 165' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	5A15C, 5A14D	11/5/2011	2012	DRISCOPLX	N/A	10.5"	10"	W.C.	1362'-4" PLLP	Refer to Attachment 17.2	53 replaced 13 transferred	LP TO HP	
45	Complete	No	30881526		Gas Pipeline Replacement Program	Cast Iron 1913-1913 Steel 1936-1947	403' of 2" Steel 608' of 4" Cast Iron 2084' of 4" Steel 432' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	1F13C, 1F12D, 3A12B, 3A12A	1-9-12 1-10-12 2-7-12 2-14-12 2-24-12 3-3-11 4-14-12	2012	DRISCOPLX	N/A	60	50	PSIG	845'-6" PLLP 2312'-2" PLHP 120'-2" PLHP	Refer to Attachment 17.2	140 replaced 6 transferred	LP TO HP	

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	Unit (See 17n and 17o)	17p	17r	17s	
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Material (Material and Size) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure		Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
46	Documentation	No	30881528	Redacted	Gas Pipeline Replacement Program	Cast Iron -UnkNOwn Steel 1924-1976	991' of 12" Steel 385' of 4" Cast Iron 470' of 4" Steel 1467' of 6" Cast Iron 382' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3B14, 3B15					60	50	PSIG	160' - 2" PLHP 25' - 2" PLHP 22' - 4" PLHP 537' - 4" PLHP 50' - 6" PLHP 1014' - 8" PLHP 20' - 8" STLHP	Refer to Attachment 17.2 Refer to Attachment 17.3	68 replaced 34 transferred	Uprate: 134' of existing 8" and 16" STLLP main
47	Documentation	No	30881529		Gas Pipeline Replacement Program	Steel 1925-1940	1860' of 4" Steel 1834' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	3D08A, 3D08B, 3D08C, 3D08D					60	50	PSIG	1384'-2" PLSHP 212'-2" PLSHP 256'-4" PLSHP 1983'-6" PLSHP	Refer to Attachment 17.2	181 replaced 41 transferred	LP TO HP
48	Complete	No	30881539		Gas Pipeline Replacement Program	Cast Iron 1911-1926 Plastic 1973-1973	100' of 2" Steel 4281' of 4" Cast Iron 925' of 4" Plastic	Pipeline Repl Program	San Francisco	San Francisco	3C14C, 3C14D, 3C15C, 3D14, 3D15	12-20-11 1-3-12 1-31-12 2-9-12 7-7-12 12-28-11 12-29-11 12-31-11 2-12-12 2-18-12 3-28-12 5-11-12 8-11-11 2-19-12 2-27-12 4-12-12 4-13-12 4-14-12 4-15-12	2012	DRISCOPEX	N/A	60	50	PSIG	1709'-2" PLHP 140'-2" PLLP 950'-4" PLHP 10'-4" PLHP 304'-4" PLLP 2183'-6" PLLP 46'-6" PLLP 40'-.75" STEEL	Refer to Attachment 17.2 Refer to Attachment 17.3	123 replaced 131 transferred 32 convert	Uprate: 540' of 4" PLLP main
49	Complete	No	30881560		Gas Pipeline Replacement Program	Cast Iron 1923-1929 Plastic 1974-1974 Steel 1924	625' of 2" Plastic 245' of 2" Steel 1665' of 4" Cast Iron 685' of 4" Steel 1550' of 6" Cast Iron 170' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	5B11B, 5B12A, 5B12B, 5B12C	6-5-11 2-15-12 4-2-12 4-15-12 6-3-12	2012	DRISCOPEX	N/A	60	50	PSIG	1549'-2" PLHP 990'-2" PLHP 136'-2" PLLP 530'-4" PLLP 1879'-6" PLLP	Refer to Attachment 17.2	132 replaced 59 transferred	LP TO HP
50	Complete	No	30881563		Gas Pipeline Replacement Program	Cast Iron 1916-1927 Steel 1929-1969	522' of 16" Steel 2045' of 4" Cast Iron 558' of 4" Steel 547' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	4E02D, 4E03C, 4F02B, 4F03A	12-20-11 12-20-11 1-07-12 4-02-12 5-20-12 5-29-12 6-03-12 7-03-12 7-8-12 7-18-12 16" Steel Stock	2012	DRISCOPEX 16" Steel Stock	16" Steel Stock	60	50	PSIG	1734'-2" PLHP 947'-2" PLLP 502'-16" STLHP	Refer to Attachment 17.2 Refer to Attachment 17.3	97 replaced 19 transferred	LP TO HP
51	Complete	No	30881570		Gas Pipeline Replacement Program	Cast Iron 1916-1928 Steel 1960-1960	1384' of 16" Cast Iron 1230' of 4" Cast Iron 313' of 4" Steel 708' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3F13, 3E13D	8-12-10 1-10-12 1-13-12 5-20-12 9-12-12	2012	DRISCOPEX	N/A	60	50	PSIG	260' - 4" PLHP 10' - 4" PLHP 160' - 6" STLHP	Refer to Attachment 17.2 Refer to Attachment 17.3	4 replaced	LP TO HP
52	Complete	No	30882935		Gas Pipeline Replacement Program	Cast Iron 1906-1927 Plastic 1990-1990 Steel 1936-1955	687' of 12" Cast Iron 2254' of 4" Cast Iron 59' of 4" Plastic 1696' of 4" Steel 318' of 8" Cast Iron 307' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	3C10A, 3C10B, 3C11A, 3B10D, 3B11C	2/22/11 12/31/11	2012	DRISCOPEX	N/A	60	50	PSIG	1242'-2" PLHP 669'-2" PLHP 1740'-4" PLHP 1288'-2" PLSHP	Refer to Attachment 17.2	169 replaced 36 transferred	LP TO HP
53	Complete	No	30882937		Gas Pipeline Replacement Program	Cast Iron 1916-1926 Steel 1938-1938	4198' of 4" Cast Iron 286' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3B09D, 3B10C, 3B10D	2-09-11 6-19-11 6-06-11 11-05-11 12-20-11 12-29-11 1-06-12 1-12-12 1-13-12 2-09-12 2-15-12 4-01-12 4-02-12 4-14-12 5-23-12	2012	DRISCOPEX	N/A	60	50	PSIG	3037' - 2" PLHP 1057' - 2" PLHP 612' - 4" PLHP 76' - 6" STL	Refer to Attachment 17.2 Refer to Attachment 17.3	156 replaced 82 transferred	LP TO HP

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
54	Complete	No	30882938	Redacted	Gas Pipeline Replacement Program	Cast Iron 1915-1924 Plastic 2002-2005 Steel 1974	44' of 2" Plastic 3243' of 4" Cast Iron 915' of 4" Steel 28' of 6" Plastic 1881' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	3B10C, 3B10D, 3B11C	2013	DRISCOPEX	N/A	60	50	PSIG	1157' - 2" PLHP 175' - 2" PLHP 2518 - 2" PLHP 50' - 6" PLHP 1187' - 8" STLHP	Refer to Attachment 17.2 Refer to Attachment 17.3	152 replaced 63 transferred	LP TO HP	
55	Construction	No	30883123		Gas Pipeline Replacement Program	Cast Iron 1925-1927 Steel 1929-1936	153' Cast Iron 1266' Steel	Pipeline Repl Program	San Francisco	San Francisco	3D12A, 3D12B, 3D12C, 3D12D	6" Steel: 4/18/2012		6" Steel: Voest-Alpine	6" Steel: Y	60	50	PSIG	260' - 4" PL 10' - 4" PL 160' - 6" STL	Refer to Attachment 17.2 Refer to Attachment 17.3	4 replaced	LP TO HP
56	Complete	No	30884470		Gas Pipeline Replacement Program	Cast Iron 1916-1928 Steel 1954-1973 Wrought Iron 1919-1919	660' of 2" Wrought Iron 2348' of 4" Cast Iron 1326' of 4" Steel 119' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	5A14C, 5B14A, 5B13B	2012	DRISCOPEX 4" Steel: Tenaris	4" Steel: Y	60 10.5"	50 10.0"	PSIG W.C.	2100' - 2" PLHP 491' - 2" PLHP 1530' - 2" PLHP 39' - 6" PLHP 609' - 6" PLLP 46' - 4" STHP	Refer to Attachment 17.2 Refer to Attachment 17.3	171 replaced 27 transferred	Uprate: 919 of 4" STLLP	
57	Complete	No	30884478		Gas Pipeline Replacement Program	Steel 1929-1938	1015' of 2" Steel 1433' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	4F02A	2012	DRISCOPEX	N/A	60	50	PSIG	1430' - 2" PLHP	Refer to Attachment 17.2	N/A	LP TO HP	
58	Construction	No	30884479		Gas Pipeline Replacement Program	Cast Iron 1911-1915 Plastic 1993-2008 Steel 1924-1981	2215' of 12" Steel 94' of 2" Plastic 3013' of 4" Cast Iron 43' of 4" Plastic 210' of 4" Steel 869' of 6" Cast Iron 239' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3B14D, 3B14C, 3B14D				60	50	PSIG	544' - 2" PLLP 1582' - 2" PLLP 114' - 4" PLLP 2203' - 8" PLHP 54' - 8" STEEL	Refer to Attachment 17.2 Refer to Attachment 17.3	141 replaced 40 transferred 4 converted	Uprate: 158' of 2" plastic on main; LP to HP	
59	Documentation	No	30884680		Gas Pipeline Replacement Program	Cast Iron 1924-1924 Steel 1937-1937	1176' of 3" Steel 365' of 4" Cast Iron 893' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	1F13D, 3A13A, 3A13B				60	50	PSIG	51' - 2" PLHP 310' - 2" PLHP 1387' - 2" PLHP 85' - 4" PLLP	Refer to Attachment 17.2	46 replaced 1 transferred	LP TO HP	
60	Documentation	No	30884681		Gas Pipeline Replacement Program	Cast Iron 1905-1927 Steel 1960-1961	4018' of 4" Cast Iron 467' of 4" Steel 981' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	5A15A, 5A15B, 5A15C, 5A15D, 5A14A, 5A14D				60	50	PSIG	5272' - 2" PLHP	Refer to Attachment 17.2	241 replaced 37 transferred	LP TO HP	
61	Complete	No	30932625		Gas Pipeline Replacement Program	Steel 1932-1975	66' of 1-1/4" Steel 558' of 2" Steel 65' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	2C01D	2012	DRISCOPEX 6" Steel: Voest-Alpine, Whetand 2" Steel: Stock	6" Steel: Y, N 2" Steel: Stock	60	50	PSIG	401' - 2" PLHP 212' - 2" STLHP 141' - 6" STLHP	Refer to Attachment 17.2 Refer to Attachment 17.3	4 replaced 1 transferred	LP TO HP	
62	Documentation	No	30935499		Gas Pipeline Replacement Program	Cast Iron 1927-1928 Steel 1930-1941 Wrought Iron 1930-1930	40' of 2" Wrought Iron 60' of 4" Cast Iron 195' of 4" Steel 166' of 6" Cast Iron 803' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	4F03A, 4F03B, 404A				50	47	PSIG	200' - 2" PLHP 75' - 2" PLHP 223' - 4" PLLP 691' - 4" PLLP	Refer to Attachment 17.2	34 replaced 1 transferred	LP TO HP	
63	Documentation	No	30935560		Gas Pipeline Replacement Program	Cast Iron 1924-1927 Steel 1913-1956 Wrought Iron 1919-1919	90' of 2" Wrought Iron 175' of 3" Cast Iron 1756' of 4" Cast Iron 928' of 4" Steel 508' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	4B03B, 4E04A, 4E04C, 4E04B				60 10.5"	50 10.0"	PSIG W.C.	21' - 2" PLHP 964' - 2" PLHP 322' - 2" PLHP 524' - 4" PLLP 417' - 6" PLLP 10' - 4" STLLP	Refer to Attachment 17.2 Refer to Attachment 17.3	57 replaced 16 transferred 6 transferred	Uprate: 578' of existing 4" PLLP	

**TABLE 17-1
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Line No:	13	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s				
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
64	Documentation	No	30935561	Redacted	Gas Pipeline Replacement Program	Cast Iron (P)-1929 Plastic 2002-2002 Steel 1913-1938	1407' of 12" Cast Iron 65' of 12" Steel 45' of 3" Steel 3627' of 4" Cast Iron 965' of 4" Steel 75' of 6" Plastic 82' of 6" Steel 291' of 8" Cast Iron 306' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	3B09D, 3B10C, 3B10D, 3B11C, 3C10B					60	50	PSIG	584' - 2" PLHP 3702' - 2" PLHP 757' - 4" PLHP 100' - 4" PLHP 98' - 6" PLHP	Refer to Attachment 17.2	175 replaced 62 transferred	LP TO HP	
65	Documentation	No	30935565		Gas Pipeline Replacement Program	Cast Iron 1916-1930 Plastic - Steel 1941-1942	341' of 3" Cast Iron 1907' of 4" Cast Iron 37' of 4" Plastic 81' of 4" Steel 1058' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	4E04D, 4E05C, 4F04B, 4F04A					50	47	PSIG	1170' - 2" PLHP 75' - 2" PLHP 70' - 4" PLLP 60' - 6" STLLP 60' - 6" PLLP	Refer to Attachment 17.2	50 replaced, 7 transferred	LP TO HP	
66	Documentation	No	30935572		Gas Pipeline Replacement Program	Cast Iron 1921-1929 Steel 1930-1963	526' of 2" Steel 3617' of 4" Cast Iron 798' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	5A13B, 5A13A					60	50	PSIG	3909' - 2" PLHP 776' - 6" PLLP	Refer to Attachment 17.2	152 replaced, 43 transferred	LP TO HP	
67	Documentation	No	30940125		Gas Pipeline Replacement Program	Cast Iron 1923-1933 Steel 1925-1932 Wrought Iron 1912-1935	470' of 2" Steel 515' of 2" Wrought Iron 1680' of 4" Cast Iron 474' of 4" Steel 234' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	5B12B, 5B12D, 5B13A, 5B13C					60	50	PSIG	1659' - 2" PLHP	Refer to Attachment 17.2	50 replaced, 16 transferred	LP TO HP	
68	Complete	No	30940200		Gas Pipeline Replacement Program	Cast Iron 1911-1927 Plastic 1957-1979 Steel 1952-1979	3645' of 4" Cast Iron 93' of 4" Plastic 482' of 4" Steel 238' of 6" Plastic	Pipeline Repl Program	San Francisco	San Francisco	3C14A, 3C14B, 3C14C, 3C14D		As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	60	50	PSIG	26' - 2" PL 1135' - 2" PL 1901' - 2" PL 122' - 4" PL 198' - 4" PL 91' - 4" STL	Refer to Attachment 17.2 Refer to Attachment 17.3	101 replaced 39 transferred 31 converted	Uprate: 851' of 4" PL main
69	Documentation	No	30940207		Gas Pipeline Replacement Program	Plastic 2002-2002 Steel 1930-1971	330' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	1F16C, 1F15					60	50	PSIG	317' - 4" PLHP 43' - 4" PLLP 16' - 1" PLLP 56' - 2" PLLP	Refer to Attachment 17.2	2 replaced 1 transferred	LP TO HP	
70	Documentation	No	30941190		Gas Pipeline Replacement Program	Cast Iron 1914-1931 Steel 1928-1968 Wrought Iron 1928-1928	471' of 2" Wrought Iron 894' of 4" Cast Iron 797' of 4" Steel 698' of 6" Cast Iron 1476' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3F15A, 3F14B					60	50	PSIG	100' - 2" PLHP 348' - 2" PLHP 2767' - 2" PLHP 120' - 4" PLHP/PL	Refer to Attachment 17.2	131 replaced 15 transferred	LP TO HP	
71	Construction	No	30941193		Gas Pipeline Replacement Program	Cast Iron 1924-1924 Steel 1954-1954	3426' of 6" Cast Iron 380' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	4F02A, 4F02B, 4E03C					60	50	PSIG	1803' - 2" PL	Refer to Attachment 17.2	65 replaced 11 transferred	LP TO HP	
72	Documentation	No	30944935		Gas Pipeline Replacement Program	Cast Iron 1925-1931 Steel 1928-1963 Wrought Iron 1928-1932	104' of 2" Steel 217' of 2" Wrought Iron 654' of 4" Cast Iron 347' of 4" Steel 888' of 6" Cast Iron 180' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3F15B, 3F16A					60 10.5"	50 10.0'	PSIG W.C.	39' - 2" PLHP 894' - 2" PLHP 963' - 2" PLHP	Refer to Attachment 17.2	73 replaced 8 transferred 11 converted	Uprate: 261' of existing 4" PLLP	
73	Construction	No	30945046		Gas Pipeline Replacement Program	Cast Iron 1920-1929 Steel 1928-1964	2038' of 4" Cast Iron 810' of 4" Steel 492' of 6" Cast Iron 100' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3E15D, 3E16C, 3F15B, 3F16A					60	50	PSIG	584' - 2" PLHP 890' - 2" PLHP 1497' - 4" PLHP	Refer to Attachment 17.2	108 replaced 32 transferred	LP TO HP	
74	Documentation	No	30945050		Gas Pipeline Replacement Program	Cast Iron (P)-1928 Plastic (P)-1993 Steel (P)-1992	820' of 10" Cast Iron 75' of 12" Steel 71' of 4" Cast Iron 200' of 4" Plastic 2789' of 6" Cast Iron 742' of 6" Steel 70' of 8" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3E15D, 3E16C, 3E16D, 3E16B, 3E01A, 4D01, 4E01B					60	50	PSIG	450' - 2" PLHP 160' - 2" PLHP 807' - 6" PLLP	Refer to Attachment 17.2	32 replaced 1 transferred 19 converted	LP TO HP	
75	Complete	No	30956939		Gas Pipeline Replacement Program	Cast Iron (P)-1928 Steel 1966-1975	2627' of 16" Cast Iron 26' of 24" Steel 1109' of 4" Cast Iron 1069' of 4" Steel 1347' of 6" Cast Iron 37' of 8" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3E13D, 3E14C, 3F13, 3F14A		4-2-2012 8-23-2012 9-30-2012 8-10-2012 3-11-2013 3-12-2013 3-13-2013 4-18-2013 4-15-2013 1-1-2013 8-26-12 10-8-2012 9-17-2012	2013	DRISCOPEX	N/A	60	50	PSIG	3326' - 2" PL 2600' - 4" PL 651' - 6" PL 61' - 8" PL 30' - 8" STL	Refer to Attachment 17.2 Refer to Attachment 17.3	171 replaced 119 transferred	LP TO HP
76	Documentation	No	30957040		Gas Pipeline Replacement Program	Cast Iron 1912-1917	2030' of 4" Cast Iron 1491' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3F15C, 3F15D, 3F16C, 5A15A, 5A15B, 5A16A					60	50	PSIG	2390' - 2" PLHP 747' - 4" PLLP 369' - 6" PLLP 94' - 4" STLLP	Refer to Attachment 17.2 Refer to Attachment 17.3	1 replaced	LP TO HP	

**TABLE 17-1
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Line No:	13	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s				
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
77	Construction	No	30959466	Redacted	Gas Pipeline Replacement Program	Cast Iron 1925-1927 Plastic 1975-1995 Steel 1913-1929 Wrought Iron 1915-1925	60' of 2" Plastic 2120' of 2" Steel 100' of 3" Steel 1000' of 3" Wrought Iron 2471' of 4" Cast Iron 112' of 4" Plastic 744' of 4" Steel 77' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	5A14D, 5A15C, 5B14B, 5B15					60	50	PSIG	4628' - 2" PL 128' - 4" PL 434' - 6" PL	Refer to Attachment 17.2	181 replaced 35 transferred 11 converted	Uprate: 88'-2" PL 255'-4" PL main	
78	Documentation	No	30959479		Gas Pipeline Replacement Program	Cast Iron 1915-1939 Steel 1939	2466' of 16" Cast Iron 130' of 2" Steel 1816' of 4" Cast Iron 896' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3F14B, 3E14D, 3E15C, 3F15A					60	50	PSIG	3104' - 2" PL 1274' - 4" PL 1134' - 6" PL 33' - 8" PL	Refer to Attachment 17.2	120 replaced 45 transferred	LP TO HP	
79	Documentation	No	30959541		Gas Pipeline Replacement Program	Cast Iron 1917-1929 Plastic 2005-2005 Steel 1922-1970	2964' of 4" Cast Iron 112' of 4" Steel 29' of 6" Plastic	Pipeline Repl Program	San Francisco	San Francisco	6A03B, 6A04A, 6A03D, 6A03D, 6A03C					35	21	PSIG	115' - 2" PLHP 1721' - 2" PLHP 301' - 4" PLLP 1032' - 6" PLLP	Refer to Attachment 17.2	92 replaced 42 transferred	LP TO HP	
80	Documentation	No	30959548		Gas Pipeline Replacement Program	Cast Iron -UnkNOwn Steel 1962-1962	720' of 4" Cast Iron 220' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	1F14A, 1F14C						60	50	PSIG	714' - 2" PLHP 170' - 2" PLHP	Refer to Attachment 17.2	11 replaced 5 transferred	LP TO HP
81	Documentation	No	30959549		Gas Pipeline Replacement Program	Cast Iron 1912-1912 Steel 1938-1968	869' of 4" Cast Iron 686' of 4" Steel 32' of 6" Steel 1519' of 8" Cast Iron 189' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	1F12C, 1F12D, 3A12A, 3A12B						60	50	PSIG	2214' - 2" PLHP 216' - 2" PLHP 217' - 4" PLLP 56' - 8" PLLP	Refer to Attachment 17.2	40 replaced 7 transferred	LP TO HP
82	Documentation	No	30959927		Gas Pipeline Replacement Program	Cast Iron 1912-1912 Plastic 1990-1990 Steel 1958-1961 Wrought Iron 1912-1913	411' of 3" Cast Iron 170' of 3" Plastic 1040' of 3" Wrought Iron 240' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	3F13, 5A13A						60	50	PSIG	1520' - 2" PL	Refer to Attachment 17.2	60 replaced 19 transferred 2 converted	Uprate: 170' of PL to HPPL
83	Complete	No	30977840		Gas Pipeline Replacement Program	Cast Iron 1916-1928 Steel 1936-1964	3240' of 4" Cast Iron 35' of 6" Cast Iron 365' of 4" Steel 185' of 2" Steel	Pipeline Repl Program	San Francisco	San Francisco	5A14C, 5A14D, 5B14A, 5B14B	4-14-2013 4-02-2012 4-28-2013 4-18-2013 2-10-2013 8-3-2012 4-15-2013 8-16-2012 1-6-2013 4-20-2013 1-7-2013 8-5-2013 10-8-2012 8-10-2013 7-5-2013 7-10-2013 8-31-2013	2013	DRISCOPEX	N/A	60	50	PSIG	3973' - 2" PLHP 460' - 4" PLLP 757' - 6" PLHP	Refer to Attachment 17.2	159 replaced 54 transferred	LP TO HP	
84	Construction	No	30977842		Gas Pipeline Replacement Program	Plastic 1968-1968 Steel 1924-1924	1381' of 12" Steel 277' of 2" Plastic	Pipeline Repl Program	San Francisco	San Francisco	3B13C, 3B13D						60	50	PSIG	343' - 2" PLHP 37' - 2" STLHP 1392' - 2" PLHP	Refer to Attachment 17.2 Refer to Attachment 17.3	3 replaced 57 transferred	LP TO HP
85	Cancelled	No	30945586		Gas Pipeline Replacement Program	Steel 1922	1900' of 6" Steel	Pipeline Repl Program	De Anza	Cupertino	WALL 3349 PLATS F1, F2, G1, G2 BLOCKS 3, 23						60	57	PSIG	Deferred - NO date yet	Refer to Attachment 17.3	Unknown	No significant changes
86	Documentation	No	30945588		Gas Pipeline Replacement Program	Steel 1930 Iron 1930	550' of 2" Iron 50' of 2" Steel	Pipeline Repl Program	De Anza	Cupertino	WALL 3473 PLAT C3 BLOCK 18						60	57	PSIG	578 ft of 2" PL main	Refer to Attachment 17.2	6 services	No significant changes
87	Complete	No	30951494	Plastic Replacement	Plastic 1967-1972	204' of 1-1/4" Plastic 6652' of 2" Plastic	Pipeline Repl Program	Peninsula	Foster City	321543, 321544	8/8/12, 9/29/12, 11/26/12, 4/8/13 3: Steel: Stock 4" Steel: Stock	2013	DRISCOPEX 3: Steel: Stock 4" Steel: Stock	3: Steel: Stock 4" Steel: Stock	50	46	PSIG	6,856' of 2" plastic pipe	Refer to Attachment 17.2	103 services	No significant changes		
88	Documentation	No	30940203	Plastic Replacement	Aldyl-A 1979-1982 Steel 1970-1970	885' of 4" Aldyl-A 40' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	3C14D						60	50	PSIG	900' - 2" PL	Refer to Attachment 17.2	49 replaced 3 transfers	LP TO HP	
89	Complete	No	30941192	Plastic Replacement	Aldyl-A 1982-1982	468' of 4" Aldyl-A	Pipeline Repl Program	San Francisco	San Francisco	3F15A, 3F15B	4-15-12 9-30-12	2013	DRISCOPEX	N/A	35	29	PSIG	115' - 2" PLHP 1721' - 2" PLHP 301' - 4" PLLP 1032' - 6" PLLP	Refer to Attachment 17.2	92 replaced 42 transferred	LP TO HP		
90	Documentation	No	30896284	Plastic Replacement	Aldyl-A 1973-1973	926' of 1-1/4" Aldyl-A 2067' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0049 PLAT D2	08/10/12 09/13/12	2012	DRISCOPEX	N/A	60	56	PSIG	3002' OF 2" PLASTIC	Refer to Attachment 17.2	No effect	No significant changes		

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Line No:	13	14	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s	
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
91	Complete	No	30896292	Redacted	Plastic Replacement	Aldyl-A 1972-1972	387' of 1-1/4" Aldyl-A 825' of 2" Aldyl-A 948' of 3" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0050 PLAT B4 WALL 0050 PLAT B5	8/12/2012 (4") 7/27/12 (4") 7/22/12 (3") 12/18/11 (2") 9/13/12 (2")	2012	DURALINE DRISCOPEX DURALINE DRISCOPEX DISCRPLEX	N/A	60	56	PSIG	1001' OF 4" PLASTIC 3' OF 3" PLASTIC 1198' OF 2" PLASTIC	Refer to Attachment 17.2	No effect	No significant changes
92	Documentation	No	30896294		Plastic Replacement	Aldyl-A 1973-1973	2355' of 1-1/4" Aldyl-A 1260' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0048 PLAT E11	9/11/12 12/21/11	2012	DRISCOPEX	N/A	60	56	PSIG	4059' OF 2" PLASTIC	Refer to Attachment 17.2	No effect	No significant changes
93	Complete	No	30931484		Plastic Replacement	Plastic 1972-1972	2050' of 1-1/4" Plastic 3697' of 2" Plastic	Pipeline Repl Program	Diablo	Concord	WALL 0049 PLAT B16 WALL 0054 PLAT B1	7/8/2012 (2") 7/26/2012 (2") 7/12/2012 (2") 8/11/2012 (2")	2013	Driscoplex	N/A	60	54	PSIG	5985' OF 2" PLASTIC	Refer to Attachment 17.2	No effect	No significant changes
94	Documentation	No	30949278		Plastic Replacement	Aldyl-A 1973-1973 Plastic 1980-1980	2650' of 1-1/4" Aldyl-A 124' of 3" Aldyl-A 175' of 4" Aldyl-A	Pipeline Repl Program	Diablo	Antioch	WALL 0064 PLAT E12 WALL 0064 PLAT E13					60	54	PSIG	2650' OF 2" PLASTIC 304' OF 4" PLASTIC	Refer to Attachment 17.2	No effect	No significant changes
95	Complete	No	30902399		Plastic Replacement	Aldyl-A 1972-1972	3866' of 1-1/4" Aldyl-A 197' of 3" Aldyl-A	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT E14 BLOCK 31	2011	2012	DRISCOPEX	N/A	25	15	PSIG	3862' of 1-1/4" PLSHP	Refer to Attachment 17.2	52	None
96	Construction	No	30950720		Plastic Replacement	Aldyl-A 1973-1973	702' of 2" Aldyl-A	Pipeline Repl Program	Mission	Hayward	WALL 0013 PLAT E15 WALL 0013 PLAT E16					58	50	PSIG	782 Ft 2 in. Diameter PL	Refer to Attachment 17.2	No effect	No significant changes
97	Design	No	30950721		Plastic Replacement	Plastic 1974	2550' of 1 1/4" & 3" Plastic	Pipeline Repl Program	Mission	Hayward	WALL 0013 PLAT C16 WALL 0013 PLAT D16					58	50	PSIG	1000 Ft 4 in. Diameter PL 1550 Ft. 2 in. Diameter PL	Refer to Attachment 17.2	No effect	No significant changes
98	Documentation	No	30950735		Plastic Replacement	Aldyl-A 1975-1975	4641' of 2" Aldyl-A 158' of 3" Aldyl-A	Pipeline Repl Program	Mission	Hayward	WALL 0027 PLAT A3 WALL 0027 PLAT B3					50	44	PSIG	8,060 Ft 2 in. Diameter PL	Refer to Attachment 17.2	No effect	No significant changes
99	Documentation	No	30950736		Plastic Replacement	Plastic 1974-1974	1050' of 2" Plastic	Pipeline Repl Program	Mission	Hayward	WALL 0012 PLAT B8					58	50	PSIG	1,050 Ft 2 in. Diameter PL	Refer to Attachment 17.2	No effect	No significant changes
100	Documentation	No	30926314		Plastic Replacement	Aldyl-A 1972-1974	1744' of 1-1/4" Aldyl-A 1987' of 2" Aldyl-A	Pipeline Repl Program	De Anza	Cupertino	WALL 3474 PLATS A1/B1 BLOCKS 3, 49					60	57	PSIG	3025 ft of 2" PL main	Refer to Attachment 17.2	142 services	No significant changes
101	Complete	No	30949396		Plastic Replacement	Aldyl-A 1971-1971	1292' of 1-1/4" Aldyl-A 663' of 2" Aldyl-A	Pipeline Repl Program	De Anza	Cupertino	WALL 3411 PLAT B2	2012-13	2013	Driscoplex	N/A	60	57	PSIG	In CONS: 1955 ft of 2" PL main	Refer to Attachment 17.2	No effect	No significant changes
102	Pre-Construction	No	30949399		Plastic Replacement	Aldyl-A 1972-1972	484' of 2" Aldyl-A 796' of 4" Aldyl-A	Pipeline Repl Program	De Anza	Cupertino	WALL 3473 PLAT F8					60	57	PSIG	Ready for CONS: 796 ft of 4" PL main; 484 ft of 2" PL main	Refer to Attachment 17.2	Unknown	No significant changes
103	Complete	No	30949411		Plastic Replacement	Plastic 1967-1977	700' of 1-1/4" plastic	Pipeline Repl Program	De Anza	Cupertino	WALL 3412 PLAT I4	2011-13	2013	Driscoplex	N/A	60	57	PSIG	800 ft of 2" PL main	Refer to Attachment 17.2	20 Services	No significant changes
104	Complete	No	30949412		Plastic Replacement	Aldyl-A 1973-1973	840' of 1-1/4" Aldyl-A	Pipeline Repl Program	De Anza	Cupertino	WALL 3412 PLAT I5	2012-13	2013	Driscoplex	N/A	60	57	PSIG	1343 ft of 1-1/4" PL main	Refer to Attachment 17.2	22	No significant changes
105	Pre-Construction	No	30949413		Plastic Replacement	Aldyl-A 1971-1972	1039' of 1-1/4" Aldyl-A 957' of 2" Aldyl-A	Pipeline Repl Program	De Anza	Cupertino	WALL 3411 PLAT F4, G4					60	57	PSIG	Ready for CONS: 1265 ft of 2 PL main	Refer to Attachment 17.2	No effect	No significant changes
106	Documentation	No	30902571		Plastic Replacement	Aldyl-A 1972-1976	2225' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	WALL 3352 PLAT I8 BLOCK 6					60	57	PSIG	2792' of 2" Plastic	Refer to Attachment 17.2	No effect	No significant changes
107	Complete	No	30902573		Plastic Replacement	Aldyl-A 1972-1972	2604' of 1-1/4" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	WALL 3352 PLAT I8 BLOCK 9 & 43	5/24/12 4/1/12 1/18/12	2012	Driscoplex	n/a	60	57	PSIG	100' of 1" Plastic 2643' of 2" Plastic	Refer to Attachment 17.2	86 Services	No significant changes
108	Documentation	No	30902574		Plastic Replacement	Aldyl-A 1972-1972	959' of 1-1/4" Aldyl-A 558' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	WALL 3352 PLAT I8 BLOCK 7					60	57	PSIG	132' of 1" Plastic 1352' of 2" Plastic	Refer to Attachment 17.2	56 Services	No significant changes

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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
109	Complete	No	30951510	Redacted	Plastic Replacement	Plastic 1971	1500' of 2" Plastic	Pipeline Repl Program	San Jose	Cinnabar	WALL 3353 PLAT I4	As-builts not available at the time of report	2013	As-builts not available at the time of report	n/a	60	57	PSIG	1,553' of 2" Plastic	Refer to Attachment 17.2	56 Services	No significant changes
110	Complete	No	30951513		Plastic Replacement	Aldyl-A 1972-1972	1699' of 1-1/4" Aldyl-A 446' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	WALL 3352 PLAT G7	As-builts not available at the time of report	2013	As-builts not available at the time of report	n/a	60	57	PSIG	2,157' of 2" Plastic	Refer to Attachment 17.2	47 Services	No significant changes
111	Construction	No	30951514		Plastic Replacement	Aldyl-A 1972-1972	3000' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	WALL 3412 PLAT C8 & D8					60	57	PSIG	24' of 4" Plastic 2,903' of 2" Plastic	Refer to Attachment 17.2	64 Services	No significant changes
112	Documentation	No	30918736		Plastic Replacement	Aldyl-A 1972-1972	1928' of 2" Aldyl-A 1721' of 3" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3800 PLAT I2 & I3	4" PL 6-26-12	2012	Driscoplex	n/a	53	50	PSIG	4,098' of 4" PL	Refer to Attachment 17.2	None	None
113	Documentation	No	30923676		Plastic Replacement	Aldyl-A 1972-1975	181' of 1-1/4" Aldyl-A 2049' of 2" Aldyl-A 3483' of 3" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3800 PLAT I2 & I3	4" Plastic 12-11-12 2" Plastic 2-13-12	2013	Driscoplex	n/a	53	50	PSIG	5,558' of 4" PL 178' of 2" PL 3" of 1 1/4" ST	Refer to Attachment 17.2 Refer to Attachment 17.3	None	None
114	Documentation	No	30923677		Plastic Replacement	Aldyl-A 1972-1972	98' of 1-1/4" Aldyl-A 2380' of 2" Aldyl-A 959' of 3" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3800 PLAT I2 & I3	4" Plastic 10-18-12	2012	Driscoplex	n/a	53	50	PSIG	3,477' of 4" PL	Refer to Attachment 17.2	None	None
115	Documentation	No	30949995		Plastic Replacement	Aldyl-A 1972-1972	1347' of 4" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3804 PLAT J8	4" Plastic 12-11-12	2013	Driscoplex	n/a	60	54	PSIG	1,355' of 4" PL	Refer to Attachment 17.2	None	None
116	Pre-Construction	No	30950080		Plastic Replacement	Aldyl-A 1973-1974 Steel 1976-1976	1439' of 2" Aldyl-A 1254' of 4" Aldyl-A 165' of 4" Steel	Pipeline Repl Program	Fresno	Fresno	WALL 3803 PLAT E4					60	54	PSIG	1,399' of 2" PL 1,150' of 4" PL	Refer to Attachment 17.2	None	None
117	Construction	No	30950086		Plastic Replacement	Plastic 1974-1979	3375' of 2" Plastic	Pipeline Repl Program	Fresno	Fresno	WALL 3805 PLAT G5					60	54	PSIG	3,371' of 4" PL	Refer to Attachment 17.2	None	None
118	Construction	No	30961375		Plastic Replacement	Aldyl-A 1974-1974 Plastic 1974-1974	280' of 1-1/4" Aldyl-A 1100' of 2" Aldyl-A 1420' of 3" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3805 PLAT G5					60	54	PSIG	2,800' of 4" PL	Refer to Attachment 17.2	None	None
119	Construction	No	30961376		Plastic Replacement	Aldyl-A 1974-1974	3080' of 2" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3805 PLAT G5					60	54	PSIG	2,890' of 4" PL	Refer to Attachment 17.2	None	None
120	Pre-Construction	No	30967356		Plastic Replacement	Plastic 1973	3407' of 4" Plastic	Pipeline Repl Program	Fresno	Fresno	WALL 3803 PLAT I2; 3803-J1 & J2					60	54	PSIG	372' of 4" PL 3,035' of 2" PL	Refer to Attachment 17.2	None	None
121	Documentation	No	30944064		Plastic Replacement	Aldyl-A 1971-1981 Steel 1971-1971	161' of 1" Aldyl-A 754' of 2" Aldyl-A 725' of 3" Aldyl-A 1185' of 3" Steel	Pipeline Repl Program	Stockton	Stockton	WALL 2818 PLAT H5 BLOCK 13					60	55	PSIG	1115' of 2" Plastic 1000' of 4" Plastic	Refer to Attachment 17.2	Replace 16 Svcs	No significant changes
122	Construction	No	30944065		Plastic Replacement	Aldyl-A 1971-1975 Plastic 1990-1990	238' of 1-1/4" Plastic 1553' of 2" Aldyl-A 966' of 3" Aldyl-A	Pipeline Repl Program	Stockton	Stockton	WALL 2818 PLAT I6 BLOCK 26					60	55	PSIG	1398' of 4" Plastic 1293' of 2" Plastic	Refer to Attachment 17.2	Replace 21 Svcs Transfer 8 Svcs	No significant changes
123	Documentation		30952642		Plastic Replacement	Aldyl-A 1971-1975 Plastic 1971-1991	456' of 1-1/4" Plastic 1185' of 2" Aldyl-A 1691' of 3" Aldyl-A	Pipeline Repl Program	Stockton	Stockton	WALL 2818 PLAT H5 BLOCK 29					60	55	PSIG	2376' of 4" Plastic 1275' of 2" Plastic	Refer to Attachment 17.2	Replace 29 Svcs Transfer 7 Svcs	No significant changes
124	Documentation	No	30948867		Plastic Replacement	Aldyl-A - Unknown	1647' of 2" Aldyl-A 166' of 3" Aldyl-A	Pipeline Repl Program	Yosemite	Modesto	WALL 3177 PLAT J6					60 10.5	54 8.5	PSI in H2O	1687' 2" PL 166' 4" PL	Refer to Attachment 17.2	None	None
125	Construction	No	30952262		Plastic Replacement	Aldyl-A 1973-1973	8397' of 2" Aldyl-A	Pipeline Repl Program	Yosemite	Modesto	WALL 3178 PLAT G1 & G8					60	54	PSI	8,040' 2" PL	Refer to Attachment 17.2	None	None
126	Complete	No	30830105	Plastic Replacement	Aldyl-A 1976-1977	672' of 1" Aldyl-A 1269' of 1-1/4" Aldyl-A 1136' of 2" Aldyl-A	Pipeline Repl Program	North Valley	Redding	WALL 1010 PLAT J7	2" Driscoplex 7/8/12 7/13/12 7/14/12	2012	Performance Pipe	n/a	60	55	PSIG	2" Driscoplex 7/8/12 - 820' 7/13/12 - 2006' 7/14/12 - 771'	Refer to Attachment 17.2	65 transferred services 2 deactivated services	No significant changes (Aldyl A removal)	
127	Complete	No	30880691	Plastic Replacement	Plastic 1967	2100' of 2" Plastic	Pipeline Repl Program	North Valley	Chico	WALL 1719 PLAT E7	1" Driscoplex 10/7/11 & 12/10/12 2" Driscoplex 11/15/12	2013	Driscoplex	Y	60	55	PSIG	2100' of 2" PL	Refer to Attachment 17.2	42 transferred services	No significant changes (Aldyl A removal)	

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Line No:	13	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
128	Construction	No	30950624	Redacted	Plastic Replacement	Aldyl-A 1971-1986 Plastic 1988-2004	35' of 1" Plastic 68'1" of 1-1/4" Aldyl-A 8785' of 2" Aldyl-A 103' of 2" Plastic	Pipeline Repl Program	North Valley	Chico	WALL 1720 PLAT 11H1				60	55	PSIG	9700' of 2" PL	Refer to Attachment 17.2	74 replaced services 40 transferred services	No significant changes (Aldyl A removal)	
129	Complete	No	30952103		Plastic Replacement	Plastic 1974 Steel 1996	1236' of 2" plastic 182' of 2" Steel	Pipeline Repl Program	North Valley	Chico	WALL 1710 PLAT C3/C4	1" Driscoplex 9/17/12 2" Driscoplex 11/16/12	2013	Driscoplex	Y	60	55	PSIG	1500' of 2" PL	Refer to Attachment 17.2	4 replaced services	No significant changes (Aldyl A removal)
130	Documentation	No	30957727		Plastic Replacement	Aldyl-A 1971-1984 Steel 1955-1971	1442' of 2" Aldyl-A	Pipeline Repl Program	North Valley	Redding	WALL 1079 PLAT C4/C5					60	55	PSIG	1500' of 4" PL 750' of 2" PL	Refer to Attachment 17.2	26 replaced or transferred services	No significant changes (Aldyl A removal)
131	Documentation	No	30922858		Plastic Replacement	Aldyl-A 1973-1973	2380' of 1-1/4" Aldyl-A 1380' of 2" Aldyl-A	Pipeline Repl Program	Sacramento	Sacramento	WALL 2715 PLAT A4 and B4					51	48	PSIG	3780' 2" Plastic	Refer to Attachment 17.2	Replaced 80 services	None
132	Complete	No	30922952		Plastic Replacement	Aldyl-A 1973-1973	414' of 1-1/4" Aldyl-A 5014' of 2" Aldyl-A	Pipeline Repl Program	Sacramento	Vacaville	SOL2716 E1	7/1/2012 7/7/2012 7/6/2012 3/4/2012 7/8/2012	2012	Driscoplex	N/A	51	48	PSIG	5356 /2" PLHP	Refer to Attachment 17.2	Replaced 128 services	None
133	Documentation	No	30923753		Plastic Replacement	Aldyl-A 1972-1972	1843' of 2" Aldyl-A	Pipeline Repl Program	Sacramento	Sacramento	WALL 2715 F8					51	48	PSIG	3118 / 2" PLHP	Refer to Attachment 17.2	Replace 38 services	None
134	Documentation	No	30927111		Plastic Replacement	Aldyl-A 1973-1973	4693' of 1-1/4" Aldyl-A	Pipeline Repl Program	Sacramento	Vacaville	WALL 2715 PLAT B5					51	48	PSIG	4764 / 2" PLHP	Refer to Attachment 17.2	Replace 94 services	None
135	Complete	No	30944838		Plastic Replacement	Aldyl-A 1977-1978	1097' of 1-1/4" Aldyl-A 4894' of 2" Aldyl-A	Pipeline Repl Program	Sacramento	Vacaville	WALL 2716 PLAT E3	11/6/2012 8/25/2012 11/17/2012	2013	Driscoplex	N/A	51	48	PSIG	6013 / 2" PLHP	Refer to Attachment 17.2	Replace 131 services	None
136	Complete	No	30945463		Plastic Replacement	Plastic 1973	2500' of 2" Plastic	Pipeline Repl Program	Sacramento	Sacramento	WALL 2528 PLAT A6	4/12/2013	2013	Driscoplex	N/A	50	47	PSIG	2305 / 2" PLHP	Refer to Attachment 17.2	Replace 40 services	None
137	Complete	No	30946017		Plastic Replacement	Plastic 1978-1979	1384' of 2" Plastic	Pipeline Repl Program	Sacramento	Vacaville	SOL2716 E6	8/10/2012 5/20/2012	2012	DRISCOPLX	n/a	51	48	PSIG	1384 / 2" PLHP	Refer to Attachment 17.2	Replace 42	None
138	Documentation	No	30946018		Plastic Replacement	Plastic 1978-79	5350' of 2" Plastic	Pipeline Repl Program	Sacramento	Vacaville	WALL 2715 PLAT E6					51	48	PSIG	5400 / 2" PLHP	Refer to Attachment 17.2	Replace 104 services	None
139	Complete	No	30946019		Plastic Replacement	Plastic 1979-1979	1164' of 2" Plastic	Pipeline Repl Program	Sacramento	Sacramento	WALL 2469 PLAT H5	12/11/2012	2013	Driscoplex	N/A	60	57	PSIG	1358 / 2" PLHP	Refer to Attachment 17.2	Replace 6 services Transfer 6 services	None
140	Construction	No	30955225		Plastic Replacement	Aldyl-A 1973-1977	2196' of 2" Aldyl-A	Pipeline Repl Program	Sierra	Auburn	WALL 2345 PLAT B5, C5					60	55	PSIG	2,375 FT, 2" PL MAIN.	Refer to Attachment 17.2	18 SERVICE REPLACEMENTS	CONVERT FROM 35 PSIG MAOP TO 60 PSIG. ELIMINATE HPR R-233.
141	Documentation	No	30955226		Plastic Replacement	Aldyl-A 1971-1985 Copper 1968-1968 Plastic 1986-2009 Steel 1927-1990	6502' of 1-1/4" Aldyl-A 4372' of 2" Aldyl-A 835' of 2" Steel	Pipeline Repl Program	Sierra	Rocklin	WALL 2404 PLAT G6, H5, H6, H7, I7					60	57	PSIG	12,910, 2" PL MAIN.	Refer to Attachment 17.2	234 SERVICE REPLACEMENTS	No effect
142	Documentation	No	30963038	Plastic Replacement	Steel 1940-1974	61' of 3" Steel	Pipeline Repl Program	Sierra	Live Oak	WALL 2093 PLAT F2					60	55	PSIG	UPRATE 4,769' 2" STL UPRATE 1,750' 2" STL INSTALL 3,871' 2" PL INSTALL 3,240' 4" PL 3,621' 6" PL	Refer to Attachment 17.2 Refer to Attachment 17.3	14 SERVICE REPLACEMENTS	UPRATE TO 60 PSIG.	
143	Complete	No	30908582	Plastic Replacement	Aldyl-A 1970-1970 Steel 1960-1960	588' of 1-1/4" Aldyl-A 795' of 3" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 2985 PLAT I5	9/11/12, 9/23/12	2012	DRISCOPLX	n/a	57	51	PSIG	1488 ft of 2" PLHP	Refer to Attachment 17.2	32	No significant changes	

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	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
144	Complete	No	30909341	Redacted	Plastic Replacement	Aldyl-A 1972-1972	1114' of 1-1/4" Aldyl-A 2711' of 2" Aldyl-A 1313' of 3" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 2710 PLAT F3, F4, G3, G4	2/15/2012, 7/14/12, 10/15/12	2012	DRISCOPLEX	n/a	60	57	PSIG	1329 ft of 4" PLHP 10 ft of 3" PLHP 3779 ft of 2" PLHP 10 ft of 1-1/4" PLHP	Refer to Attachment 17.2	107	No significant changes	
145	Complete	No	30952005		Plastic Replacement	Plastic 1972-1973	1811' of 2" Plastic 1044' of 4" Plastic	Pipeline Repl Program	North Bay	San Rafael	WALL 2986 PLAT B1	2" Driscoplex 1-8-13 8-8-12 4" Driscoplex 12/31/11	2013	Driscoplex	n/a	57	51	PSIG	1940 ft of 2" PLHP 1070 ft of 4" PLHP	Refer to Attachment 17.2	3	No significant changes	
146	Complete	No	30983855		Plastic Replacement	Aldyl-A 1969-1969	595' of 1-1/4" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 2927 PLAT I1, J1	2" Driscoplex 7-8-12	2013	Driscoplex	n/a	57	51	PSIG	604 ft of 2" PLHP	Refer to Attachment 17.2	18	No significant changes	
147	Complete	No	30904365		Plastic Replacement	Aldyl-A 1971-1971 Steel 1929-1968	877' of 1-1/4" Aldyl-A 994' of 2" Aldyl-A 1121' of 2" Steel 2153' of 3" Aldyl-A	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2768 PLAT H4, WALL 2768 PLAT H5, WALL 2768 PLAT G5	2" PL Main: 9/9, 12/22/2012 4" PL Main: 12/31/2011	2012	DRISCOPLEX	n/a	50	47	PSIG	2" PL HP Main-3068 LF (Code 016079), 4" PL HP Main-2132 LF (Code 016081)	Refer to Attachment 17.2	100 Services replace 10 Services transfer	No significant changes	
148	Complete	No	30922902		Plastic Replacement	Aldyl-A 1073-1973 Steel 1939-1956	616' of 2" Aldyl-A 54' of 2" Steel 480' of 4" Aldyl-A	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2634 PLAT A4	2" PL Main: 9/12/2012, 4" PL Main: 12/27/11, 3/30/12, 7/27/12, 2/5/12	2012	DRISCOPLEX	n/a	60	57	PSIG	2" PL Main: 568 LF (Code 010379) 4" PL Main: 482 LF (Code 016081)	Refer to Attachment 17.2	18 Services replaced	No significant changes	
149	Complete	No	30926778		Plastic Replacement	Aldyl-A 1971-1971	190' of 1-1/4" Aldyl-A 1755' of 2" Aldyl-A	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2504 PLAT D1, WALL 2504 PLAT D2	2" PL Main: 8/26/12	2012	DRISCOPLEX	n/a	50	50	PSIG	2" PL Main: 2098 LF (Code 010379)	Refer to Attachment 17.2	48 Services replaced	No significant changes	
150	Complete	No	30882885		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Diablo	Concord	WALL 0058 PLAT F11	4/14/12 (6") 4/13/12 (6") 01/01/10 (4")	2012	DRISCOPLEX	n/a	60	56	PSIG	1820' OF 6" PLASTIC 9' OF 4" PLASTIC	Refer to Attachment 17.2	No effect	APD min pressure increase from 0 to 26 PSIG.	
151	Complete	No	30891626		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Diablo	Concord	WALL 0050 PLAT E4	7/11/2010	2012	DRISCOPLEX	n/a	60	56	PSIG	624' OF 4" PLASTIC	Refer to Attachment 17.2	No effect	APD min pressure increase from 18 to 24 PSIG.	
152	Complete	No	30927256		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Kern	Bakersfield	WALL 5025 PLAT D2	Driscoplex - Material Date Ranging from 9-13-11 to 8-15-12	2012	Driscoplex	N	60	50	PSIG	6455 FT OF 6 IN PL	Refer to Attachment 17.2	No effect	Increased reliability -No longer dependent on SoCalGas feed. Higher APD min pressure. Increased capacity for west growth.	
153	Documentation	No	30878200		New Capacity Main Install / Enforcement	Steel 32-32	222' of 4" Steel	Capacity	Mission	Hayward	WALL 0030 PLAT C7						58	50	PSIG	1,208 Ft 6 in. Diameter PL 51 Ft 6 in. Diameter Stl	Refer to Attachment 17.2 Refer to Attachment 17.3	No effect	System low of 9 psi increases to 36 psi.
154	Construction	No	30909730		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	North Bay	San Rafael	WALL 2862 PLAT J5						56	54	PSIG	1030 ft of 6" PLHP	Refer to Attachment 17.2	No effect	No significant changes
155	Construction	No	30960072		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Sonoma	Santa Rosa	WALL 2631 PLAT A8, WALL 2631 PLAT B8, WALL 2632 PLAT B1, WALL 2632 PLAT C1						50	47	PSIG	6" PL Main: 6693 LF (Code 010509-Proposed)	Refer to Attachment 17.2	None	No significant changes
156	Documentation	No	30967746		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Sonoma	Santa Rosa	WALL 2705 PLAT F2, WALL 2705 PLAT G2, WALL 2705 PLAT H2						50	47	PSIG	6" PL Main: 5000 LF (Code 010509-Proposed)	Refer to Attachment 17.2	None	To reinforce the Santa Rosa and Southward 50 MAOP system before the abandonment of Cotati DFM 1301-01.
157	Complete	No	30890582		New Capacity Main Install / Enforcement	Plastic 1977-1993 Steel 1967-1977	590' of 2" Steel 2099' of 4" Plastic	Capacity	North Valley	Chico	WALL 1719 PLAT G5, G6	1" Driscoplex 10/7/11 & 2/29/12 1-1/4" Driscoplex 10/16/11 2" Driscoplex 4/12/12 6" Driscoplex 2/22/12, 7/18/12 & 7/22/12	2012	Driscoplex	Y	60	55	PSIG	6" Plastic 2106' installed	Refer to Attachment 17.2	1 Installed service 3 Transferred services	Capacity increase (Up sized pipe, No data Noted for expected performance increase)	

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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
158	Documentation	No	30902492	Redacted	New Capacity Main Install / Enforcement	Plastic 2003-2003 Steel 1967-1967	42' of 4" Plastic	Capacity	North Valley	Chico	WALL 1779 PLAT 14/J4					60	55	PSIG	3000' of 6" PL	Refer to Attachment 17.2	1 replaced service	Capacity increase (Up sized pipe, No data Noted for expected performance increase)	
159	Pre-Construction	No	30956595		New Capacity Main Install / Enforcement	Aldyl-A 1979-1979	1200' of 2" Aldyl-A	Capacity	North Valley	Burney	WALL 0886 PLAT A7; WALL 0820 PLAT J7					42	37	PSIG	1000' of 6" PL 200' of 2" PL	Refer to Attachment 17.2	25 replaced services	Capacity increase (Up sized pipe, No data Noted for expected performance increase).	
160	Documentation	No	30959832		New Capacity Main Install / Enforcement	Aldyl-A 1971-1982 Plastic 1998-1998 Steel 1927-1982	785' of 1" Aldyl-A 48' of 1" Plastic 153' of 1-1/4" Aldyl-A 85' of 2" Steel 909' of 3" Steel 2269' of 4" Steel	Capacity	North Valley	Chico	WALL 1716 PLAT 12/J2					60	55	PSIG	3000' of 2" PL	Refer to Attachment 17.2	55 replaced services 3 Transferred services	Transfer this section from LP system to HP system	
161	Complete	No	30879736		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Peninsula	San Carlos	3278-E5, 3278-F5	7/14/12, 10/08/12, 10/09/12 4" Steel: Stock 6" Steel: Stock	2012	Driscoplex 4" Steel: Stock 6" Steel: Stock	4" Steel: Stock 6" Steel: Stock	34	31	PSIG	1,468' of 6" plastic pipe 4' of 4" plastic pipe 20' of 6" steel 8' of 4" steel	Refer to Attachment 17.2 Refer to Attachment 17.3	None	Low point pressure increased 5 PSIG under APD conditions	
162	Documentation	No	30908745		New Capacity Main Install / Enforcement	Steel 1963-1963	n/a	Capacity	Sacramento	Woodland	YOL2459 PLAT G5					50	47	PSIG	5878' 8" Plastic	Refer to Attachment 17.2	Replace 22 services Transfer 3 services Deactivate 1 services	Reinforcement Project for new business project 30908743.	
163	Construction	No	30963032		New Capacity Main Install / Enforcement	Aldyl-A 1972-1984 Steel 1934-1972	357' of 1-1/4" Aldyl-A 749' of 2" Aldyl-A	Capacity	Sierra	Grass Valley	WALL 2102 PLAT A6, A7, B6.					20	16	PSIG	INSTALL 1,078' 2" PL INSTALL 89' 4" STL	Refer to Attachment 17.2 Refer to Attachment 17.3	14 SERVICE REPLACEMENTS	No effect	
164	Construction	No	30972534		New Capacity Main Install / Enforcement	Plastic 1990-1990 Steel 1967-1996	n/a	Capacity	Sierra	Grass Valley	WALL 2102 PLAT D1, J7, A6, B6, B7, C5, C6, D1.					60	56	PSIG	INSTALL 1,620' 8" PL. INSTALL 1,310' 6" PL.	Refer to Attachment 17.2	UPRATE 292 SERVICES.	UPRATE 19,627' MAIN FRPM 20 PSIG TO 60 PSIG.	
165	Complete	No	30876489		New Capacity Main Install / Enforcement	Plastic 1977-1977 Steel 1967-1967	482' of 3" Plastic 4190' of 3" Steel	Capacity	Stockton	Stockton	WALL 2869 PLAT J4 WALL 2869 PLAT J5 WALL 2869 PLAT J6	02/05/12, 11/27/12	2013	Driscoplex	N/A	60	55	PSIG	4,895' of 6" Plastic	Refer to Attachment 17.2	Replace 17 Svcs	No significant changes	
166	Documentation	No	30956475		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Yosemite	Turlock	WALL 3300 PLAT G1 & F1	2012	2013	DRISCOPLEX	N/A	60	54	PSI	4,007' 6" PL	Refer to Attachment 17.2	None	None	
167	Pre-Construction	No	30960144		New Capacity Regulator Station	n/a	n/a	Capacity	Diablo	Concord	WALL 0048 PLAT C3					60	54	PSIG	N/A	n/a	No effect	UTILIZATION OF STATION NEAR FULL CAPACITY	
168	Pre-Construction	No	30962881		New Capacity Regulator Station	Plastic 1986-1986 Steel 1961-1963	111' of 1-1/4" Plastic 805' of 3" Steel	Capacity	Mission	Hayward	WALL 0017 PLAT C16					55	49	PSIG	55 Ft. 4 in Diameter PL 61 Ft. 4 in Diameter STL 108 Ft. 6 in Diameter STL 1,040 Ft. 8 in Diameter PL	Refer to Attachment 17.2 Refer to Attachment 17.3	No effect	Hydraulic analysis predicts loss of service at APD, with this capacity reinforcement, low increases from 0 psi to 41 psi.	
169	Pre-Construction	No	30949543		New Capacity Regulator Station	n/a	n/a	Capacity	Diablo	Concord	WALL 0046 PLAT F8					60	56	PSIG	N/A	n/a	No effect	UTILIZATION OF STATION NEAR FULL CAPACITY	
170	Complete	No	30889856		New Capacity Regulator Station	n/a	n/a	Capacity	Mission	Hayward	WALL 0023 PLAT C12	3/4" Steel: 4/26/2011 4" Steel: 4/21/2011 8/15/2011 6" Steel: 8/15/2011			3/4" Steel: Wheeland 4" Steel: Tenaris, Wheeland 6" Steel: Tenaris	3/4" Steel: Y 4" Steel: Y, N 6" Steel: Y	55	49	PSIG	195 Ft 4 in. Diameter STL 88 Ft 6 in. Diameter STL 148 Ft 3/4 in. Diameter STL	Refer to Attachment 17.3	No effect	New subsystem added, initially isolated, Now tied.
171	Complete	No	30928111		New Capacity Regulator Station	n/a	n/a	Capacity	Yosemite	Merced	WALL 3432 PLAT B8	Steel: See Steel SS 4", 6" & 8" PL: 2012	2013	Steel: See Steel SS PL: Driscoplex	Steel: Y PL: N/A	400 60	400 54	PSI	30' 4" Steel, 30' 8" steel 28' 8" PL	Refer to Attachment 17.2 Refer to Attachment 17.3	Reg Stn rebuild to support added load	None	

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Line No:	13	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
172	Documentation	No	30814138	Redacted	New Capacity Regulator Station	n/a	n/a	Capacity	Sacramento	Sacramento	WALL 2524 PLAT D7 & E7				60	57	PSIG	n/a	n/a	None	New Dual Run Reg Station	
173	Complete	No	30810188		New Capacity Regulator Station	n/a	n/a	Capacity	Sierra	Marysville	WALL 2217 PLAT J4	9/7/2010	2011	DRISCOPEX	N/A	56	51	PSIG	INSTALL: 195 FT 4" PL	Refer to Attachment 17.2	None	No effect
174	Complete	No	30882128		Reliability Main Replacement	Aldyl-A 1974-1982 Plastic 1986-1986 Steel 1936-1969	677' of 1-1/4" Steel 489' of 2" Steel	Reliability General	Diablo	Concord	WALL 0052 PLAT D1 WALL 0052 PLAT D2	08/12/10 10/18/2012	2012	DRISCOPEX	N/A	50	44	PSIG	1059' of 2" PLASTIC	Refer to Attachment 17.2	No effect	No significant changes
175	Complete	No	30987010		Reliability Main Replacement	Plastic 2004-2004	670' of 2" Plastic 6740' of 4" Plastic	Reliability General	Diablo	Antioch	WALL 0059 PLAT D9 WALL 0059 PLAT D10	8/11/12 4/22/13 12/13/12 8/28/12	2013	Driscoplex	N/A	60	56	PSIG	6292' OF 2" PLASTIC	Refer to Attachment 17.2	No effect	No significant changes
176	Complete	No	30880292		Reliability Main Replacement	Steel 1939-1939	1110' of 6" Steel	Reliability General	North Bay	San Rafael	WALL 2986 PLAT D1, E1	As-builts not available at the time of report	2013	As-builts not available at the time of report	n/a	57	51	PSIG	1395 ft of 6" PLHP	Refer to Attachment 17.2	1	No significant changes
177	Pre-Construction	No	30922553		Reliability Main Replacement	Steel 1984-1984	1981' of 2" Steel	Reliability General	North Bay	San Rafael	WALL 2985 PLAT E7, E8					57	51	PSIG	1981 ft of 2" STLHP	Refer to Attachment 17.3	44	No significant changes
178	Documentation	No	30953831		Reliability Main Replacement	Steel 1951-1951	2050' of 2" Steel	Reliability General	North Bay	San Rafael	WALL 2985 PLAT F6, F7					57	51	PSIG	2087 ft of 2" PLHP	Refer to Attachment 17.2	57	No significant changes
179	Documentation	No	30937753		Reliability Main Replacement	Steel 1929-1929	3389' of 2" Steel	Reliability General	Sonoma	Santa Rosa	WALL 2633 PLAT J6					50	47	PSIG	4" PL Main: 3210 LF (Proposed)	Refer to Attachment 17.2	8 Services Replace 2 Services Transfer	No significant changes
180	Complete	No	30944440		Reliability Main Replacement	Steel 1946-1949	672' of 2" Steel	Reliability General	Sonoma	Santa Rosa	WALL 2634 PLAT C7 BLOCK 58	2" PL Main: 9/23/12-10/18/12	2012	DRISCOPEX	n/a	60	57	PSIG	2" PL Main: 677 LF (Code 01-6085)	Refer to Attachment 17.2	8 Services rerun	No significant changes
181	Complete	No	30755088		Reliability Main Replacement	Steel 1952-1952	134' of 2" Steel	Reliability General	North Valley	Chico	WALL 1910 PLAT G2 BLOCK 5	48' of 2" Steel, 263' of 4" Steel	2013	Not specified in as-built	Y	60	55	PSIG	200' of 2" PL	Refer to Attachment 17.2	N/A	Replacement of exposed steel
182	Complete	No	30881202		Reliability Main Replacement	Steel 1963-1968	1297' of 4" Steel	Reliability General	San Francisco	San Francisco	3F13	11/5/11 1/7/12	2012	DRISCOPEX	n/a	60	50	PSIG	1140' - 2" PLHP 219' - 2" PLHP	Refer to Attachment 17.2	72 replaced 11 transferred	LP TO HP
183	Documentation	No	30881211		Reliability Main Replacement	n/a	n/a	Reliability General	San Francisco	San Francisco	3B15					60	50	PSIG	837' - 2" PLHP 45' - 4" STLLP	Refer to Attachment 17.2 Refer to Attachment 17.3	26 replaced 11 transferred	LP TO HP
184	Complete	No	30881213		Reliability Main Replacement	Steel 1929-1966	2005' of 4" Steel	Reliability General	San Francisco	San Francisco	4E05D, 4E03C, 4F02B, 4F03A	12-20-11 6-5-11 1-7-12 1-13-12 2-09-12 3-4-12 4-15-12 6-6-12 8-14-12	2012	DRISCOPEX	n/a	60	50	PSIG	1376' - 2" PLHP 655' - 2" PLHP 41' - 2" PLHP	Refer to Attachment 17.2	56 replaced, 37 transferred	LP TO HP
185	Complete	No	30881215		Reliability Main Replacement	Steel 1960-1968	1855' of 4" Steel	Reliability General	San Francisco	San Francisco	3F13	5/20/12 9/12/12	2012	DRISCOPEX	n/a	60	50	PSIG	1896' - 2" PLHP	Refer to Attachment 17.2	73 replaced 17 transferred	LP TO HP
186	Documentation	No	30881218		Reliability Main Replacement	Steel 1937-1998	552' of 2" Steel 830' of 3" Steel 1217' of 4" Steel	Reliability General	San Francisco	San Francisco	4F01B, 4F02A					60	50	PSIG	1034' - 2" PLHP 529' - 2" PLHP	Refer to Attachment 17.2	69 replaced 5 transferred	LP TO HP
187	Complete	No	30883821		Reliability Main Replacement	Steel 1971-1978	5679' of 12" Steel 207' of 16" Steel 27' of 4" Steel 122' of 6" Steel 268' of 8" Steel	Reliability General	San Francisco	San Francisco	2F03A, 2F03B, 2E3D	4/2/2012 4/29/12 9/30/12	2013	DRISCOPEX	n/a	60	50	PSIG	990' - 2" PLHP	Refer to Attachment 17.2	8 replaced 5 transferred	LP TO HP
188	Construction	No	30938895		Reliability Main Replacement	Steel 1947-1947	n/a	Reliability General	San Francisco	San Francisco	3B9B, 3B9D, 3B10A, 3B10C					60	50	PSIG	2084' - 16" PLHP 5' - 8" PLHP	Refer to Attachment 17.2	n/a	LP TO HP
189	Documentation	No	30940128		Reliability Main Replacement	n/a	n/a	Reliability General	San Francisco	San Francisco	5B12B, 5B12D, 5B13A, 5B13C					60	50	PSIG	507' - 2" PLHP 278' - 4" PLHP	Refer to Attachment 17.2	12 replaced 1 transferred	LP TO HP

**TABLE 17-1
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Line No:	13	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
190	Complete	No	30941191	Redacted	Reliability Main Replacement	n/a	n/a	Reliability General	San Francisco	San Francisco	5F15A, 3F15B	2-4-11 2-03-12 2-15-12 4-02-12 4-15-12 4-17-12 5-29-12 6-03-12 7-08-12 8-08-12 8-16-12 8-18-12 9-03-12 10-12-12 10-17-12 01-08-13	2013	DRISCOPEX	n/a	60	50	PSIG	994' - 2" PLHP 530' - 4" PLHP	Refer to Attachment 17.2	46 replaced 26 transferred	LP TO HP
191	Complete	No	30941194		Reliability Main Replacement	Steel 1941-1942	585' of 3" Steel 1365' of 4" Steel	Reliability General	San Francisco	San Francisco	4F01B	6-5-11 4-12-12 4-15-12 7-8-12 8-18-12 9-3-12 9-30-12 10-17-12 1-10-13 4-13-13 4-18-13 6-10-13 6-11-13 9-30-13 10-17-13	2013	DRISCOPEX	n/a	60	50	PSIG	1011' - 2" PLHP	Refer to Attachment 17.2	45 replaced 1 transferred	LP TO HP
192	Documentation	No	30945041		Reliability Main Replacement	Plastic 1994-1994 Steel 1931-1963	93' of 4" Plastic 657' of 4" Steel 819' of 6" Steel	Reliability General	San Francisco	San Francisco	3F15B, 3F16A					60	50	PSIG	69' - 2" PLHP 630' - 2" PLHP 847' - 2" PLHP	Refer to Attachment 17.2	17 replaced 29 transferred	LP TO HP
193	Complete	No	30959474		Reliability Main Replacement	Steel 1971-1971	567' of 8" Steel	Reliability General	San Francisco	San Francisco	3F14B, 3E14D, 3E15C, 3F15A	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	60	50	PSIG	1642' - 2" PLHP	Refer to Attachment 17.2	44 replaced 2 transferred	LP TO HP
194	Documentation	No	30962526		Reliability Main Replacement	Steel 1920-1959	411' of 4" Steel 347' of 6" Steel	Reliability General	San Francisco	San Francisco	4F03A, 4F03B, 4F04A					50	47	PSIG	230' - 2" PLHP 158' - 4" PLLP	Refer to Attachment 17.2	3 replaced 1 transferred	LP TO HP
195	Documentation	No	30975054		Reliability Main Replacement	Steel 1929-1981	101' of 3" Steel 1600' of 4" Steel	Reliability General	San Francisco	San Francisco	5A14D, 5A15C, 5B14B, 5B15					60	50	PSIG	1527' - 2" PLHP	Refer to Attachment 17.2	38 replaced 4 transferred	LP TO HP
196	Documentation	No	30842345		Reliability Main Replacement	n/a	1664' of 6" Steel	Reliability General	San Jose	Cinnabar	WALL 3352 PLAT E2 & F2	4" Steel: 4/21/2011	2013	Tenaris	4" Steel Y	60	57	PSIG	40' of 2" Plastic 1500' of 4" Plastic 118' of 4" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	51 services	No significant changes
197	Complete	No	30790056		Reliability Main Replacement	Steel 30-30	902' of 2" Steel	Reliability General	Stockton	Manteca	WALL 3113 PLAT H6 WALL 3113 PLAT H7	03/03/12, 02/14/12, 05/19/12, 04/14/12, 10/18/12	2013	Driscoplex	N/A	60	55	PSIG	1256' of 2" Plastic	Refer to Attachment 17.2	Replace 21 Svcs Transfer 9 Svcs	No significant changes
198	Documentation	No	30873887		Reliability Main Replacement	Steel 1930-1950	431' of 3" Steel 477' of 4" Steel	Reliability General	Stockton	Stockton	WALL 3005 PLAT A4 BLOCK 14					60	55	PSIG	464' of 2" Plastic 458' of 4" Plastic	Refer to Attachment 17.2	Alter 8 Svcs Insert 7 Svcs Repalce 2 Svcs	No significant changes
199	Construction	No	30881207		Reliability Main Replacement	n/a	n/a	Reliability General	Stockton	Stockton	WALL 3005 PLAT D4 BLOCK 58					60	55	PSIG	NOT estimated yet	NOT estimated yet	Not estimated yet	Not estimated yet
200	Complete	No	30881208		Reliability Main Replacement	Steel 1939-1939	780' of 2" Steel	Reliability General	Stockton	Manteca	WALL 3006 PLAT C1 BLOCK 4	4/22/2012	2013	Driscoplex	N/A	60	55	PSIG	805' of 2" Plastic	Refer to Attachment 17.2	Insert 8 Svcs Transfer 7 Svcs	No significant changes
201	Complete	No	30879258		Reliability Main Replacement	Steel -1928-1948	1398' of 4" Steel	Reliability General	Yosemite	Modesto	WALL 3235 PLAT A3 & A4 WALL 3177 PLAT J3 & J4	2012	2013	DRISCOPEX	N/A	60	54	PSI	2091' 2" PL	Refer to Attachment 17.2	None	None
202	Complete	No	30880964		Reliability Main Replacement	Steel -1991	401' of 3" Steel	Reliability General	Yosemite	Modesto	WALL 3300 PLAT F7 BLOCK 10	2012	2013	Driscoplex	N/A	10.5	8.5	in H20	415' 4" PL	Refer to Attachment 17.2	None	None
203	Documentation	No	30970410	Reliability Main Replacement	Plastic 2007-2007 Steel 1938-2007	3469' of 4" Steel 346' of 6" Steel 747' of 8" Steel 101' of 3" Steel	Reliability General	San Francisco	San Francisco	3B9B, 3B9D, 3B10A, 3B10C					60 10.5"	50, 10.0"	PSIG W.C.	3408' - 2" PLHP 175' - 8" PLHP	Refer to Attachment 17.2	78 replaced 11 transferred	Uprate: 67' of 4" PLHP	

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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
204	Documentation	No	30881353	Redacted	Reliability Regulator Station Replacement	Steel 1954-1957	96' of 6" Steel	Reliability General	Diablo	Concord	WALL 0045 PLAT F9					60	56	PSIG	N/A	N/A	No effect	No significant changes	
205	Documentation	No	30882362		Reliability Regulator Station Replacement	Steel 1976-1976	64' of 2" Steel 81' of 6" Steel	Reliability General	Diablo	Concord	WALL 0046 A06 WALL 0046 A07					60	56	PSIG	N/A	N/A	No effect	No significant changes	
206	Documentation	No	30949544		Reliability Regulator Station Replacement	Steel 2011-2011	n/a	Reliability General	Diablo	Concord	WALL 0044 PLAT D16					60	54	PSIG	N/A	N/A	No effect	No significant changes	
207	Construction	No	30880920		Reliability Regulator Station Replacement	Steel 1967-2008	126' of 4" Steel 45' of 6" Steel	Reliability General	North Bay	San Rafael	WALL 2985 PLAT G8 BLOCK 5					57	51	PSIG	32 ft of 4" STLTP 6 ft of 6" STLTP 61 ft of 6" STLHP 102 ft of 6" PLHP	Refer to Attachment 17.2 Refer to Attachment 17.3	No effect	No significant changes	
208	Construction	No	30880921		Reliability Regulator Station Replacement	Plastic 1990-1990 Steel 1952-1965	50' of 2" Plastic 74' of 3" Steel 74' of 4" Steel	Reliability General	North Bay	Vallejo	WALL 2842 PLAT J5, J6					25	21	PSIG	1495 ft of 4" PLHP 10 ft of 3" PLHP	Refer to Attachment 17.2	No effect	No significant changes	
209	Documentation	No	30881478		Reliability Regulator Station Replacement	Steel 1962-2011	210' of 2" Steel 45' of 3" Steel 171' of 4" Steel	Reliability General	North Valley	Chico	DR R-25 BRESLAUER LANE@EASTSIDE RD WALL 1079 PLAT G7					Trans: 720 Dist: 60	Trans: 600 Dist: 55	PSIG	90' of 4" STL 200' of 4" PL 2106' installed	Refer to Attachment 17.2 Refer to Attachment 17.3	N/A	Reg station work	
210	Construction	No	30919614		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Redding	HPR R-14 HILL ST W/ HWY 273 WALL 1150 PLAT F5					Trans: 720 Dist: 60	Trans: 600 Dist: 55	PSIG	70' of 2" STL 10' of 4" STL	Refer to Attachment 17.3	N/A	Reg station work	
211	Design	No	30959833		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Redding	DR R-22 EASTSIDE ROAD@STAR DR WALL 1079 PLAT J7					Trans: 720 Dist: 60	Trans: 600 Dist: 55	PSIG	70' of 2" STL 10' of 4" STL	Refer to Attachment 17.3	N/A	Reg station work	
212	Documentation	No	30959835		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Redding	DR R-26 CLEAR CREEK RD WALL 1149 PLAT B3		4" Steel: 12/5/2012		4" Steel: Voest-Alpine	4" Steel: Y	Trans: 720 Dist: 60	Trans: 600 Dist: 55	PSIG	70' of 2" STL 10' of 4" STL	Refer to Attachment 17.3	N/A	Reg station work
213	Documentation	No	30880951		Reliability Regulator Station Replacement	Steel 1966-1966	26' of 2" Steel 112' of 4" Steel	Reliability General	Sacramento	Vacaville	DR R18 BUCK AND ELDRIDGE AVES.					51	48	PSIG	406-ft of 3/4-inch steel pipe 68-ft of 4-inch steel pipe	Refer to Attachment 17.3	None	Replace Dist Reg Station R-18	
214	Complete	No	30881612		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Sacramento	Sacramento	DR DA006 RESEARCH PARK DR/IN LAWN		As-builts not available at the time of report	2012	As-builts not available at the time of report	n/a	800 60	792 57	PSIG	None	n/a	None	Replace District Reg DA-06
215	Documentation	No	30881613		Reliability Regulator Station Replacement	Steel 1971-1971	128' of 6" Steel	Reliability General	Sacramento	Vacaville	DR R04 E. TABOR AVE/DOVER AVE					230 50	210 47	PSIG	90 / 6" STL 180 / 6" STL	Refer to Attachment 17.3	None	Replace Dist Reg Station R-04	
216	Construction	No	30933967		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	San Jose	San Jose	DR H10 DUNN & SORREL ST-1RU-1					55	52	PSIG	n/a	n/a	None	Rebuild District Reg Station and convert from single pit design to dual pit design (monitor & regulator in separate pits)	
217	Documentation	No	30762887		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Stockton	Stockton	DR S24 NAVY DR/FRESNO ST-1RU-1					60	55	PSIG	N/A	n/a	No effect	No significant changes	
218	Construction	No	30873896		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Stockton	Stockton	WALL 2868 PLAT B6					720 60	55	PSIG	Not estimated yet	Not estimated yet	Not estimated yet	Not estimated yet	
219	Pre-Construction	No	30878928	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Yosemite	Merced	WALL 3434 PLAT F8					60	54	PSI	80' 2" Steel Assumed usage NOT yet estimated.	Refer to Attachment 17.3	None	Conversion from Reg-Relief to Monitor-Reg		

**TABLE 17-1
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Line No:	13 Project Status	14 Federal or Commission Requirement or Advisory or Recommendation	Order Number	17a Project Name	17b Work Description	17b Work Description Deactivated Pipe Year Installed	17b Work Description Deactivated Pipeline Dimensions	17c Purpose	17g GIS Coordinates and Location (Division)	17g GIS Coordinates and Location (City)	17h Pipeline Map (Map and Plat) or Facility	17k Vintage of Pipeline Segment (Manufacturer Date)	17k Year Installed	17l Manufacturer of Pipe	17m Seamless (Y) or Non-seamless (N)	17n M AOP	17o Operating Pressure	17p Unit (See 17n and 17o)	17p Pipeline Dimensions Footage and Diameter	17p Pipe Dimension Wall Thickness	17r Effect on Service	17s Effect on Other Operations
220	Complete	No	30784977	Redacted	Reliability Cathodic Protection Systems	n/a	n/a	Reliability General	Fresno	Fresno	WALL 3993 PLAT F5, 3803-J2, 3870-C1, 3802-F8, 3869-D6, 3869-I5, 3869-H3, 3870-A4, 3869-B5, 3868-C5, 3868-E2, 3864-H4, 4357-H8, 4355-H2, 3805-H2	N/A	N/A	N/A	N/A	60	54	PSIG	N/A	n/a	None	None
221	Documentation	No	30870577		Reliability Cathodic Protection Systems	n/a	n/a	Reliability General	Kern	Bakersfield	Many locations through-out Kern Division					NA	NA	NA	NA	n/a	NA	NA
222	Documentation	No	30841766		Reliability Cathodic Protection Systems	n/a	n/a	Reliability General	Sacramento	Sacramento	CORROSION					N/A	N/A	N/A	N/A	n/a	N/A	N/A
223	Complete	No	30871984		Reliability Overbuilds	Aldya-A Plastic 1972-1972 Plastic 2003-2003	1608' of 1-1/4" Aldya-A Plastic 5500' of 2" Aldya-A Plastic 194' of 2" Plastic 1560' of 3" Aldya-A Plastic	Reliability General	North Bay	Napa	WALL 2571 PLAT F3, F4	2" Driscoplex 12-30-11 4-9-12 4" Driscoplex 10-19-11	2012	Driscoplex	n/a	60	50	PSIG	5114 ft of 2" PLHP 1475 ft of 4" PLHP 65 ft of 4" STLHP	Refer to Attachment 17.2 Refer to Attachment 17.3	132	No significant changes
224	Documentation	No	30977443		Reliability	n/a	n/a	Reliability General	De Anza	Cupertino	WALL 3349 PLAT C2, D2					60	57	PSIG	In CONS: 1355 ft of 2" PL main	Refer to Attachment 17.2	9 service may be temporarily interrupted during tie-in	No significant changes
225	Documentation	No	30848795		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Central Coast	Salinas	HPR ST14 438 ECHO VALLEY ROAD (REAR)					50	46	PSIG	1400' of 4" pl; 1190' of 2" pl, 915' of 1" pl & 120' of 1-1/4" pl	Refer to Attachment 17.2	No effect	No significant changes
226	Design	No	30961769		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Central Coast	Salinas	WALL 4027 PLAT E4					60	56	PSIG	500' of 2" pl; 1600' of 1/2" ; 1400' of 4" pl	Refer to Attachment 17.2	No effect	No significant changes
227	Pre-Construction	No	30962382		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Central Coast	King City	Wall 4156 Plat I3					60	30	PSIG	168' 3/4" stl; 90' of 1" pl; 40' of 1/2" pl	Refer to Attachment 17.2 Refer to Attachment 17.3	No effect	No significant changes
228	Pre-Construction	No	30897516		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	De Anza	Cupertino	Wall 3350 Plat H7, I7					60	57	PSIG	Deferred to 2014	Refer to Attachment 17.2	3 services will need hot tanking	Transfer 5 services from Transmission (MAOP/NOP: 180#/175#) to Distribution system (MAOP/NOP: 60#/57#)
229	Complete	No	30892858		Cust HPR Reg Sta Conv Dist Main	Plastic -1947-1963 Steel 1948-1979	300' of 2" Plastic	Repl/Convert Cust HPR	Diablo	Concord	WALL 0044 PLAT C8 WALL 0044 PLAT C7 WALL 0044 PLAT D8 WALL 0044 PLAT D7	02/15/12 (4") 04/02/10 (2")	2012	DRISCOPLX	N/A	60	40	PSIG	5823' OF 4" PLASTIC 211' OF 2" PLASTIC	Refer to Attachment 17.2	No effect	No significant changes
230	Documentation	No	30863936		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Fresno	Fresno	WALL 3864 PLAT D5 & D6		2013	4" PL Driscoplex 9-6-12 10-14-12 6-19-12		60	45	PSIG	6,178' of 4" PL	Refer to Attachment 17.2	None	None
231	Complete	No	30855411		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	North Bay	Napa	WALL 2710 PLAT G8, H8	6/11/10, 4/1/11, 12/15/11, 2/18/12, 3/3/12, 3/27/12, 4/2/12, 6/1/12,	2012	DRISCOPLX	N/A	60	50	PSIG	2551 ft of 2" PLHP	Refer to Attachment 17.2	23 services and 1 DRS	No significant changes
232	Complete	No	30861388		Cust HPR Reg Sta Conv Dist Main	Steel 2009	58' of 1-1/4" Steel 65' of 2" Steel	Repl/Convert Cust HPR	North Bay	Napa	WALL 2773 PLAT B7, C7, D7	1-1/4" Driscoplex 2-17-12 2" Driscoplex 9-6-12 4" Driscoplex	2013	Driscoplex	n/a	30	25	PSIG	3030 ft of 2" PLHP 10 ft of 3" PLHP 1675 ft of 4" PLHP	Refer to Attachment 17.2	24 services and 1 DRS	Upgrade 1 system from 35 PSIG to 60 PSIG MAOP
233	Construction	No	30885000		Cust HPR Reg Sta Conv Dist Main	Plastic 1987-1987 Steel 1948-1985	105' of 2" Steel 360' of 3" Plastic	Repl/Convert Cust HPR	North Bay	Napa	WALL 2571 PLAT G3, G4, H4, I5, I6, J6, J7					60	50	PSIG	3545 ft of 8" PLHP	Refer to Attachment 17.2	16 services and 1 DRS	No significant changes

**TABLE 17-1
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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
234	Documentation	No	30897934	Redacted	Cust HPR Reg Sta Conv Dist Main	Plastic 1962-1962 Steel 1963-1962	105' of 2" Steel	Repl/Convert Cust HPR	North Bay	Napa	WALL 2774 PLAT G5					60	50	PSIG	1505 ft of 2" PLHP	Refer to Attachment 17.2	7 services and 1 DRS	Upgrade 1 system from 35 PSIG to 60 PSIG MAOP	
235	Complete	No	30898005		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	North Bay	Napa	WALL 2710 PLAT F5	1/2" Driscoplex 2-18-12 1" Driscoplex 3-27-12 2" Driscoplex	2012	Driscoplex	n/a	60	50	PSIG	2572 ft of 2" PLHP	Refer to Attachment 17.2	13	No significant changes	
236	Complete	No	30959390		Cust HPR Reg Sta Conv Dist Main	Plastic 1961-2009 Steel 1961-1961	92' of 1-1/4" Steel 124' of 2" Plastic	Repl/Convert Cust HPR	North Bay	Napa	WALL 2639 PLAT H8, I8 WALL 2640 PLAT I1	1" Driscoplex 10-21-12 2" Driscoplex 1-7-13 (coil) 9-29-12 (stick)	2013	Driscoplex	n/a	60	50	PSIG	505 ft of 2" PLHP 1438 ft of 6" PLHP	Refer to Attachment 17.2	8	upgraded 254 ft of 2" steel service from 30 PSIG to 60 PSIG	
237	Construction	No	30963152		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	North Bay	Napa	WALL 2710 PLAT A2						60	50	PSIG	610 ft of 2" PLHP	Refer to Attachment 17.2	3	No significant changes
238	Documentation	No	30963156		Cust HPR Reg Sta Conv Dist Main	Plastic 1971-2002 Steel 1969-1998	224' of 2" Steel 80' of 4" Plastic	Repl/Convert Cust HPR	North Bay	Napa	WALL 2710 PLAT G8 WALL 2711 PLAT G1						60	50	PSIG	65 ft of 2" PLHP 118 ft of 4" PLHP	Refer to Attachment 17.2	4 services and 1 DRS	No significant changes
239	Complete	No	30890136		Cust HPR Reg Sta Conv Dist Main	Steel 1955-1982	n/a	Repl/Convert Cust HPR	North Valley	Chico	WALL 1909 PLAT E4	1/2" Driscoplex 9/26/12 1" Driscoplex 2/29/12 & 12/11/12 2" Driscoplex	2013	Driscoplex	Y	Trans: 720 Dist: 60	Trans: 600 Dist: 55	PSIG	150' of 2" STL 250' of 4" STL	Refer to Attachment 17.3	4 replaced services	Remove 3 HPRs	
240	Complete	No	30890141		Cust HPR Reg Sta Conv Dist Main	Plastic 1990-1990 Steel 1990-1990	n/a	Repl/Convert Cust HPR	North Valley	Chico	WALL 1906 PLAT G4	1/2" Driscoplex 1/16/11 1" Driscoplex 12/12/12	2013	Driscoplex	Y	Trans: 720 Dist: 60	Trans: 600 Dist: 55	PSIG	1000' of 2" STL	Refer to Attachment 17.3	4 replaced services	Remove 3 HPRs	
241	Documentation	No	30909959		Cust HPR Reg Sta Conv Dist Main	Aldyl-A 1972-1980 Cast Iron 1967-2002 Plastic 1961-2002 Steel 1967-2002	30' of 1" Plastic 159' of 1-1/4" Plastic 112' of 1-1/4" Steel 158' of 2" Steel 95' of 4" Plastic	Repl/Convert Cust HPR	North Valley	Chico	WALL 1719 PLAT H1					60	55	PSIG	1000' of 2" PL 3400' of 4" PL	Refer to Attachment 17.2	39 installed service 3 Transferred services	Deactivate 19 HPRs Deactivate 7 HPR style DRS	
242	Complete	No	30911415		Cust HPR Reg Sta Conv Dist Main	Aldyl-A 1976-1990 Cast Iron 1978-1999 Plastic 1978-2007 Steel 1930-1999	845' of 1" Aldyl-A 153' of 1-1/4" Plastic 944' of 2" Plastic 1150' of 2" Steel 106' of 3" Steel 52' of 4" Steel	Repl/Convert Cust HPR	North Valley	Chico	WALL 1782 PLAT D6-I6	6" Steel: 9/21/2011 8" Driscoplex 12/4/10, 12/11/11, 12/12/11, 4/27/11, 4/28/11, 6/28/11, 6/30/11, 9/15/11, 4/28/12, 3/18/12, 3/19/12, 4/27/12, & 3/9/12 4" Driscoplex 3/29/12 & 3/31/12 1-1/4" Driscoplex 3/28/10, 6/11/10, 8/4/11, 10/7/11, 9/26/11 & 2/17/12	2012	6" Steel: Tenaris Plastic - Driscoplex	6" Steel: Y Plastic: Y	Trans: 720 Dist: 60	Trans: 400 Dist: 50	PSIG	14,200' of 8" PL 850' of 4" PL 700' of 1-1/4" PL 50' of 6" STL	Refer to Attachment 17.2 Refer to Attachment 17.3	47 installed service 7 Transferred services	Install 1 new DRS Deactivate 7 HPR style DRS Deactivate 7 HPR style DRS	
243	Complete	No	30911418		Cust HPR Reg Sta Conv Dist Main	Aldyl-A 1974-1961 Plastic 1967-2006 Steel 1963-1967	n/a	Repl/Convert Cust HPR	North Valley	Oroville	WALL 1969 PLAT H3	1" Driscoplex 12/12/12 2" Driscoplex 7/6/12	2013	Driscoplex	Y	Trans: 720 Dist: 60	Trans: 600 Dist: 55	PSIG	1000' of 2" PL 20' of 2" STL	Refer to Attachment 17.2 Refer to Attachment 17.3	6 replaced services	Remove 4 HPRs	
244	Pre-Construction	No	30852335		Cust HPR Reg Sta Conv Dist Main	Steel 1930-1973	n/a	Repl/Convert Cust HPR	Peninsula	Stanford	3347-C7, 3347-D8					31	28	PSIG	1,300' of 2" plastic pipe	Refer to Attachment 17.2	4	3 HPRs will be removed, with services transferred to distribution system. 1 HPR will be rebuilt.	
245	Complete	No	30886841		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Peninsula	Belmont	3278-C8	4/2/2012	2012	DRISCOPEX	n/a	34	31	PSIG	660' of 2" plastic pipe	Refer to Attachment 17.2	6	5 HPRs were removed and 6 customers were transferred to distribution system.	
246	Documentation	No	30891159	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Peninsula	Redwood City	WALL 3278 PLAT B5					34 50	31 46	PSIG	1280' of 4" plastic pipe	Refer to Attachment 17.2	4	4 HPRs were removed, 3 were transferred to the 50 PSIG distribution system, while 1 was transferred to the 34 PSIG distribution system.		

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
247	Complete	No	30938237	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Peninsula	Unincorporated Sna Mateo County	WALL 3277 PLAT C4 BLOCK 14	10/22/2012	2012	DRISCOPEX	n/a	34	26	PSIG	1,348' of 2" plastic pipe	Refer to Attachment 17.2	3	3 HPRS were removed and transferred to the 34 PSIG distribution system	
248	Complete	No	30844594		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Sacramento	WALL 2588 PLAT B1 BLOCK 2	2/17/2012 6/21/2012 6/20/2012 12/30/2011	2013	DRISCOPEX	n/a	50	47	PSIG	3000-ft of 4-inch HP plastic	Refer to Attachment 17.2	Replace 7 services Transfer 1 service Abandoned 1 service	Abandoned 10 HPR's	
249	Complete	No	30907824		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Colusa	WALL 2087 PLAT I5	8/30/2012 12/11/2012 3/2/2012	2013	Driscopex	N/A	55	52	PSIG	1055' 2" PLASTIC	Refer to Attachment 17.2	4 SERVICE REPLACEMENTS	No effect	
250	Complete	No	30907825		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Colusa	WALL 2087 PLAT G1	11/16/2012 4/14/2013	2013	Driscopex	N/A	60	52	PSIG	1515' 2" PLASTIC	Refer to Attachment 17.2	7 SERVICE REPLACEMENTS 2 SERVICE TRANSFERS	No effect	
251	Complete	No	30907826		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Auburn	WALL 2146 PLAT E5	11/15/2012 12/23/2011 4/1/2012 9/17/2012 5/9/2012	2013	Driscopex	N/A	180 60	160 57		1676 / 2" PLHP 245 / 1" PL	Refer to Attachment 17.2	n/a	n/a	
252	Complete	No	30923351		Cust HPR Reg Sta Conv Dist Main	Plastic 1995-1995 Steel 1963-1971	75' of 1-1/4" Steel 50' of 2" Plastic	Repl/Convert Cust HPR	Sacramento	Sacramento	WALL 2524 PLAT D6	4/14/1992 4/12/2012 2/17/2012	2013	Plexco Driscopex	N/A	425 50	420 47	PSIG	1501 / 8" PLHP	Refer to Attachment 17.2	Transfer 3 services	Remove 3 HPR's	
253	Documentation	No	30841257		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	San Jose	Edenvale	WALL 3607 PLAT F1 & 3606-F8 & G-8					55	52	PSIG	4417' of 6" Plastic 61' of 2" Plastic	Refer to Attachment 17.2	26 services	Transfer Trans pressure customers to new 55 PSIG distribution main.	
254	Complete	No	30841258		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	San Jose	Edenvale	WALL 3606 PLAT C4, C-5, & B5	2-15-12 6-5-11 4-2-12 11-18-11 5-20-12 6-3-12 4-1-12 07-01-12	2012	Driscopex	n/a	55	52	PSIG	856' of 4" Plastic 220' of 2" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	17 services	Transfer Trans pressure customers to new 55 PSIG distribution main.	
255	Complete	No	30929094		Cust HPR Reg Sta Conv Dist Main	Steel 1944-1976	65' of 1-1/4" Steel 120' of 2" Steel 490' of 4" Steel	Repl/Convert Cust HPR	San Jose	Edenvale	WALL 3541 PLAT G2, G3, E5, E6	8/3/2012 12/2/2011 7/7/2012 7/6/2012 4/2/2012	2012	Driscopex	n/a	55	52	PSIG	384' of 1" Plastic 1428' of 2" Plastic	Refer to Attachment 17.2	12 Services	Install ~1,428 ft of distribution main and transfer 12 customer hi-hi sets over to distribution. Rebuild one HPR-Type District Reg Station & Abandon 3 HPR-Type District Reg Stations	
256	Pre-Construction	No	30954903		Cust HPR Reg Sta Conv Dist Main	Steel 1962-1969	700' of 2" Steel	Repl/Convert Cust HPR	San Jose	Cinnabar	WALL 3284 PLAT J1 BLOCK 1					60	50	PSIG	244' of 4" Plastic	Refer to Attachment 17.2	2 Services	Transfer 2 HPR Services to distribution main	
257	Complete	No	30892216		Cust HPR Reg Sta Conv Dist Main	Steel 1944-1973	45' of 2" Steel	Repl/Convert Cust HPR	Sierra	Marysville	WALL 2153 PLAT D3	UNKNOWN (STL) 1/1/12 (PL)	2012 2012	UNKNOWN (STL) DRISCOPEX	Y (STL) N/A (PL)	50	45	PSIG	INSTALL 380' 2" STL. INSTALL 3517 2" PL.	Refer to Attachment 17.2 Refer to Attachment 17.3	TRANSFER 2 SERVICES.	No effect	
258	Construction	No	30904325		Cust HPR Reg Sta Conv Dist Main	Aldyl-A 1972-1986 Plastic 1973-2005 Steel 1937-1996	1086' of 1" Aldyl-A 182' of 1" Plastic 219' of 1" Steel 175' of 1-1/4" Steel 566' of 2" Aldyl-A 40' of 2" Plastic 1632' of 2" Steel	Repl/Convert Cust HPR	Sierra	Auburn	WALL 2344 PLAT E8						VARIOUS SYSTEMS WITH DIFFERENTM AOPS.	VARIOUS SYSTEMS WITH DIFFERENTNO PS.	PSIG	INSTALL: 256 FT 1.25" PL. 1503 FT 4" PL. 12,844 FT 2" PL. 1,440 FT 2" PL.	Refer to Attachment 17.2	49 SERVICE REPLACEMENTS TRANSFER 13 SERVICES.	ELIMINATE 50 HPRS (33 CUSTOMER HPRS & 17 HPR-TYPE DISTRICT REG STATIONS).
259	Documentation	No	30905521		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sierra	Marysville	WALL 2093 PLAT H7					60	51	PSIG	INSTALL: 10 FT 4" STL. 20 FT 2" STL. 1626 FT 2" PL.	Refer to Attachment 17.2 Refer to Attachment 17.3	26 SERVICE REPLACEMENTS	DOWM RATE DFM & CONVERT TO DISTRIBUTION. UPRATE EXISTING DISTRIBUTION FROM 40 PSIG TO 60 PSIG.	

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
260	Construction	No	30943888	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sierra	Marysville	WALL 2154 PLAT J3	1/22/12 12/18/10 UNKNOWN (STL) UNKNOWN (STL) N/A (REG STATION) N/A (REG STATION)	2011 2011 2011 2011 2011	DRISCOPLEX DRISCOPLEX UNKNOWN (STL) UNKNOWN (STL) N/A (REG STATION) N/A (REG STATION)	n/a	56 56 56 600 600 600	51 51 51 590 590 590	PSIG	INSTALL: 4" plastic, 195 ft 2" plastic, 2 ft 4" steel, 55 ft (HP main) 4" steel, 179 ft (TP pipe) 4" steel, 112 ft (DR) 3/4" steel, 85 ft (DR)	Refer to Attachment 17.2 Refer to Attachment 17.3	None	No effect
261	Complete	No	30961468	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sierra	Marysville	WALL 2154 PLAT C4	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	n/a	60	55	PSIG	INSTALL: 2,760 FT 2" PL. 240 FT 1" PL.	Refer to Attachment 17.2	TRANSFER 8 SERVICES. 9 SERVICE REPLACEMENTS	No effect
262	Documentation	No	30865947	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sonoma	Santa Rosa	WALL 2069 PLAT J1					50	55	PSIG	1" PL Main: 20 LF (Code 01-6083 - Proposed) 2" PL Main: 2400 LF (Code 01-0379-Proposed)	Refer to Attachment 17.2	2 Services	No significant changes
263	Design	No	30897912	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sonoma	Santa Rosa	WALL 2708 PLAT H1					42	39	PSIG	4" PL Main: 1350 LF (Code 016081 - In Design)	Refer to Attachment 17.2	TBD	No significant changes
264	Pre-Construction	No	30905717	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sonoma	Santa Rosa	WALL 2504 PLAT I5					60	40	PSIG	2" PL Main: 486 LF (Code 016079 - Proposed) 4" PL Main: 3548 LF (Code 010381 - Proposed)	Refer to Attachment 17.2	20 Services transfer	No significant changes
265	Complete	No	30847262	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Stockton	Stockton	WALL 2873 PLAT A1	04/23/12, 04/22/12, 4/21/12	2013	Driscoplex	N/A	60	55	PSIG	5942' of 2" Plastic	Refer to Attachment 17.2	Abandon 9 HPRs Transfer 9 Svcs Replace 5 Svcs	Convert HPRs to distribution
266	Pre-Construction	No	30847264	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Stockton	Stockton	WALL 2872 PLAT A1					60	55	PSIG	Project deferred to 2014	Refer to Attachment 17.2	Project deferred to 2014	Project deferred to 2014
267	Complete	No	30873848	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Stockton	Stockton	WALL 3116 PLAT A6	8/10/2012	2013	Driscoplex	N/A	60	55	PSIG	722' of 2" Plastic	Refer to Attachment 17.2	Abandon 3 HPRs Insert 3 Svc Transfer 1 Svc	Convert HPRs to distribution
268	Pre-Construction	No	30873859	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Stockton	Stockton	WALL 2812 PLAT G6					60	55	PSIG	1770' of 4" Plastic	Refer to Attachment 17.2	Abandon 3 HPRs Replace 1 Svc Transfer 2 Svc	Convert HPRs to distribution
269	Complete	No	30873881	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Stockton	Manteca	WALL 3112 PLAT G8	2/17/2012	2013	Driscoplex	N/A	60	55	PSIG	389' of 4" Plastic	Refer to Attachment 17.2	Abandon 2 HPRs Replace 1 Svcs	Convert HPRs to distribution
270	Complete	No	30873884	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Stockton	Stockton	WALL 2873 PLAT A5	8/27/2012, 11/18/2011	2013	Driscoplex	N/A	60	55	PSIG	2617' of 4" Plastic 550' of 1" Plastic 30' of 1/2" Plastic	Refer to Attachment 17.2	Abandon 4 HPRs Replace 3 Svcs Transfer 2 Svcs	Convert HPRs to distribution
271	Complete	No	30851911	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Oakdale	WALL 3121 PLAT G3 & G4	2" PL - 2011, 2012 4" PL - 2011	2012	DRISCOPLEX	N/A	60	54	PSI	2450' 2" PL 153' 4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
272	Complete	No	30851943	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Modesto	WALL 3175 PLAT B8	2012	2012	DRISCOPLEX	n/a	60	54	PSI	4131' 4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
273	Documentation	No	30852367	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Modesto	WALL 3177 PLAT B8 & C8					60	54	PSI	3556' 4" PL 349' 1 1/4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
274	Complete	No	30854257	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Turlock	WALL 3367 PLAT B7 & B8 WALL 3368 PLAT B1 & B2	2012	2012	DRISCOPLEX	n/a	60	54	PSI	7068' 2" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
275	Complete	No	30854366	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Modesto	WALL 3236 PLAT F3	2012	2013	Driscoplex	N/A	58	52	PSI	972' 4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None

**TABLE 17-1
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Line No:	13 Project Status	14 Federal or Commission Requirement or Advisory or Recommendation	Order Number	17a Project Name	17b Work Description	17b Work Description Deactivated Pipe Year Installed	17b Work Description Deactivated Pipeline Dimensions	17c Purpose	17g GIS Coordinates and Location (Division)	17g GIS Coordinates and Location (City)	17h Pipeline Map (Map and Plat) or Facility	17k Vintage of Pipeline Segment (Manufacturer Date)	17k Year Installed	17l Manufacturer of Pipe	17m Seamless (Y) or Non-seamless (N)	17n M AOP	17o Operating Pressure	Unit (See 17n and 17o)	17p Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	17r Effect on Service	17s Effect on Other Operations
277	Complete	No	30854370	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Turlock	WALL 3369 PLAT E1 & E2	2012	2013	Driscoplex	N/A	60	54	PSI	2757' 4" PL 16' of 4" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	HPR Removal - Transfer to main	None
278	Complete	No	30854377		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Modesto	WALL 3236 PLAT E6, E7 & F7	2012	2013	DRISCOPEX	N/A	58	52	PSI	2493' 4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
279	Complete	No	30854378		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Modesto	WALL 3237 PLAT E2	2012	2013	DRISCOPEX	N/A	60	54	PSI	2010' 4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
280	Documentation	No	30854380		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Turlock	WALL 3368 A5 & B5	2012	2013	DRISCOPEX	N/A	60	54	PSI	5098' 2" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
281	Complete	No	30854386		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Newman	WALL 3488 PLAT D6, D7 & D8 WALL 3489 PLAT D1 & D2	2012	2013	DRISCOPEX	N/A	60	54	PSI	8202' 4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
282	Documentation	No	30854390		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Modesto	WALL 3176 PLAT C6, C7 & C8					60	54	PSI	3048' of 4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
283	Pre-Construction	No	30854507		Cust HPR Reg Sta Conv Dist Main	Plastic 1998-1998	50' of 4" Plastic	Repl/Convert Cust HPR	Yosemite	Turlock	WALL 3366 PLAT B4, B5, B6, B7, B8					60	54	PSI	7719' 2" PL 52' of 4" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	HPR Removal - Transfer to main	None
284	Design	No	30854518		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Merced	WALL 3697 PLAT F1 - F8 WALL 3698 PLAT F1 - F8 WALL 3699 F1, F2, E2, D2, D3, D4, C4, C5, B5, B6, A6 WALL 3623 PLAT J7, I7, H7, G7, F7, E7, D7, C7								No Data Available Project in Rescope	n/a	n/a	n/a
285	Complete	No	30854540		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Newman	WALL 3489 PLAT A3 WALL 3427 PLAT J3	2012	2013	DRISCOPEX	N/A	60	54	PSI	3946' 4" PL	Refer to Attachment 17.2	HPR Removal - Transfer to main	None
286	Complete	No	30899876		Cust HPR Reg Sta Conv Dist Reg	n/a	n/a	Repl/Convert Cust HPR	Diablo	Concord	WALL 0044 PLAT D7	4/2/2012 (2" PL)	2013	DRISCOPEX	N/A	60	40	PSIG	110 of 2" PL	N/A	No effect	No significant changes
287	Complete	No	30957096		Cust HPR Reg Sta Replace	Plastic 1977-1977 Steel 1966-1966	160' of 1-1/4" Plastic	Repl/Convert Cust HPR	North Bay	San Rafael	WALL 2985 PLAT E7 BLOCK 10	2" Driscoplex 1-8-13 2" Poly Pipe 8-24-12	2013	Driscoplex Poly Pipe	N/A	57	51	PSIG	823 ft of 2" PLHP	Refer to Attachment 17.2	1	No significant changes
288	Complete	No	30907823		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Colusa	WALL 2148 PLAT A6	N/A	2013	N/A	N/A				n/a	n/a	None	No effect
289	Pre-Construction	No	30961671		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Vacaville	WALL YOL2579 PLAT C4, C5, C6, and B6					60	57	PSIG	NOne	n/a	Replace 10 services	None
290	Construction	No	30961673		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Vacaville	WALL SOL2648 PLAT A5, A6, A7, A8, B8, C8. SOL2581 H7, I7, J8					60	57	PSIG	Downrate approximately 23,850-ft of 4-inch PLC	Refer to Attachment 17.2	Replace 19 services	Convert DFM to distribution main.
291	Documentation	No	30981831		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Davis	YOL2582 B6 YOL2583 A2, A3, A6					60	57	PSIG	NOne	n/a	Replace 3 services	None
292	Documentation	No	30897980	Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sonoma	Santa Rosa	WALL 2378 PLAT G3					60	55	PSIG	1" PL 250 LF (Proposed)	Refer to Attachment 17.2	5 Services	No significant changes	

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
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Line No:	13	14	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s	
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
293	Complete	No	30878698	Redacted	Gas Pipeline Replacement Program	Cast Iron 1914-1914 Steel 1914-1937	160' of 2" Steel 2605' of 4" Cast Iron 375' of 6" Steel 605' of 8" Cast Iron	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT E8	2" Plastic 8-1-12; 8-2-12; 4-20-12; 6-6-11; 6-20-11; 6-27-11; 2-13-12; 12-16-11 6" Plastic 2-7-12	2012	DRISCOPEX	n/a	10.5	8.5	Inches of WC	3,057' of 2" PL 970' of 6" PL	Refer to Attachment 17.2	None	None
294	Complete	No	30868409		Gas Pipeline Replacement Program	Cast Iron 1916-1926 Plastic 1983-1983 Plastic 2003-2003	2908' of 4" Cast Iron 50' of 4" Plastic 2123' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	3F13, 3F14	115/2011	2012	DRISCOPEX	n/a	60	50	PSIG	3284' - 2" PLHP 606' - 2" PLHP	Refer to Attachment 17.2	102 replaced 91 transferred	LPTO HP
295	Complete	No	30881562		Gas Pipeline Replacement Program	Cast Iron 1925-1928 Steel 1928-unkn	964' of 2" Steel 1725' of 4" Cast Iron 2095' of 4" Steel 64' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	5A13C, 5A13D, 5B13A, 5B13D	12-19-11 12-20-11 1-08-12 1-12-12 1-13-12 1-18-12 4-09-12 5-20-12 9-12-12 10-01-12	2012	DRISCOPEX	n/a	60	50	PSIG	3811' - 2" PL 220' - 2" PL	Refer to Attachment 17.2	166 replaced 15 transferred 4 converted	update: 145' of PLLP to PLHP 110' of STLLP to STLHP
296	Complete	No	30918735		Plastic Replacement	Aldyl-A 1972-1972 Plastic 1972-1972	1485' of 1-1/4" Aldyl-A 2155' of 2" Aldyl-A 1640' of 3" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3804 PLAT F4 & F5	4" Plastic 6-25-12 2" Plastic 4-23-12	2012	DRISCOPEX	n/a	60	54	PSIG	4,337' of 4" PL 695' of 2" PL	Refer to Attachment 17.2	None	None
297	Complete	No	30928139		Plastic Replacement	Aldyl-A 1972-1972	80' of 1" Aldyl-A 252' of 1-1/4" Aldyl-A 1660' of 2" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3804 PLAT J8	2" Plastic 8-22-11	2012	DRISCOPEX	n/a	60	54	PSIG	1,841' of 2" PL	Refer to Attachment 17.2	None	None
298	Complete	No	30902444		New Capacity Main Install / Enforcement	Plastic 1983-1987	1018' of 2" Plastic	Capacity	Peninsula	Foster City	3215-G3, 3215-G4	6/28/12, 10/08/12, 10/08/11, 1/18/12, 4/2/12	2012	DRISCOPEX	n/a	50	46	PSIG	679' of 6" plastic pipe 10' of 4" plastic pipe 9' of 2" plastic pipe	Refer to Attachment 17.2	2	Low point pressure increased to 19.8 PSIG under APD conditions
299	Complete	No	30676477		New Capacity Regulator Station	n/a	n/a	Capacity	Peninsula	Stanford	WALL 3348 PLAT D1 BLOCK 2	N/A	N/A	N/A	n/a	31	28	PSIG	n/a	n/a	n/a	Low point pressure increased 16 PSIG under APD conditions
300	Complete	No	30813671		New Capacity Regulator Station	Steel 1983-1983	540' of 3" Steel 87' of 4" Steel	Capacity	Diablo	Antioch	WALL 0057 PLAT F9	N/A	N/A	N/A	n/a	60	56	PSIG	N/A	n/a	No effect	APD MINIMUM PRESSURE INCREASE FROM 0 TO 14 PSIG.
301	Documentation	No	30956472		Gas Pipeline Replacement Program	Steel 1933-1936	162' of 2" Steel, 387' of 1-1/4" Steel	Pipeline Repl Program	East Bay	Richmond	WALL 0041 PLAT C06					45	40	PSIG	548' of 2"HPPL		16	None
302	Pre-Construction	No	30956477		Gas Pipeline Replacement Program	Steel 1936-1952	1360' of 2" Steel, 52' of 2" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT C04					Job not complete	15	PSIG	750' of 4"SHPPPL		32	Convert MAOP from 10.5" W.C. to 25 PSIG
303	Documentation	No	30956478		Gas Pipeline Replacement Program	Steel 1937-1941	540' of 3" Steel	Pipeline Repl Program	East Bay	Richmond	WALL 0001 PLAT F10					Job not complete	50	PSIG	598' of 2"HPPL		19	None
304	Design	No	30956565		Gas Pipeline Replacement Program	1929-1937	2035' of 2"-4" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT B12					Job not complete	15	PSIG	2600' of 2"SHPPPL 420' of 2"SHPSTL		28	None
305	Design	No	30956566		Gas Pipeline Replacement Program	1934-1935	610' of 2" Steel	Pipeline Repl Program	East Bay	Richmond	WALL 0001 PLAT D11					Job not complete	50	PSIG	610' of 2"HPPL		18	None
306	Design	No	30956567		Gas Pipeline Replacement Program	1933-1938	1060' of 2" Steel	Pipeline Repl Program	East Bay	Richmond	WALL 0001 PLAT D16					Job not complete	47	PSIG	1050' of 2"HPSTL		23	None
307	Complete	No	30956569		Gas Pipeline Replacement Program	Steel 1938-1940	575' of 2" Steel,	Pipeline Repl Program	East Bay	Richmond	WALL 0041 PLAT C06	2" STEEL 1" PLASTIC (10/28/12, 11/19/11, 6/22/13, 9/21/12)	2013	DRISCOPEX	2" STEEL	45	40	PSIG	510' of 2"HPSTL	Refer to Attachment 17.3	16	None
308	Design	No	30959318		Gas Pipeline Replacement Program	1922	194' of 3" Steel 516' of 6" Iron 2090' of 4" Steel	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT B6 & B7					10.5	9	Inches of WC	80' of 2" PL 4,980' of 3" PL 1,040' of 4" PL		None	None

**TABLE 17-1
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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
309	Design	No	30959719	Redacted	Gas Pipeline Replacement Program	1922-1936	525' of 3" Steel 1075' of 4" Steel	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT B6 & B7					10.5	9	Inches of WC	5,820' of 3" PL 1,700' of 4" PL		None	None	
310	Pre-Construction	No	30993887		Gas Pipeline Replacement Program	1922-1933	463' of 2" Steel 4456' of 3" Steel 985' of 4" Steel	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT C7, C8, & D7					60	54	PSIG	2,980' of 2" PL 5,525' of 3" PL 770' of 4" PL		None	None	
311	Construction	No	30967910		Gas Pipeline Replacement Program	Steel 1929-1948	2325' of 2" Steel, 150' of 3" Steel	Pipeline Repl Program	North Bay	San Rafael	WALL 2985 PLAT H6 BLOCK 10, 2 WALL 2985 PLAT I6 BLOCK 45					57	51	PSIG	2475' of 2" PLHP		39	No significant changes	
312	Design	No	30967922		Gas Pipeline Replacement Program	1930-1939	775' of 2" Steel	Pipeline Repl Program	North Bay	Napa	WALL 2571 PLAT G2					60	54	PSIG	2400' of 4" PLHP 5600' of 2" PLHP		198	No significant changes	
313	Design	No	30967926		Gas Pipeline Replacement Program	1925-1933	1225' of 2" Steel	Pipeline Repl Program	North Bay	San Rafael	WALL 2985 PLAT E4, F4, F5					57	51	PSIG	1800' of 8" PLHP 1300' of 2" PLHP		49	No significant changes	
314	Documentation	No	30950218		Gas Pipeline Replacement Program	Steel 1936-1939	564' of 2" Steel	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2634 PLAT C6					60	57	PSIG	2" PL 575 LF (Proposed)		17 Services	No significant changes	
315	Pre-Construction	No	30974979		Gas Pipeline Replacement Program	Plastic 1997-1997, Steel 1928-1983	2207' of 1-1/4" Steel, 964' of 4" Steel, 50' of 2" Plastic, 1214' of 3" Steel, 107' of 2" Steel	Pipeline Repl Program	North Valley	Chico	WALL 1716 PLAT J3 WALL 1782 PLAT A3-A4					60	56	PSIG	2305' of 4" PL		Replace 69 services	No significant changes (GPRP Removal)	
316	Design	No	30940732		Gas Pipeline Replacement Program	1939-1940	2580' of 2" Steel	Pipeline Repl Program	Peninsula	San Carlos	3280-13					40	36	PSIG	2,580' of 2" plastic		73	No significant changes	
317	Pre-Construction	No	30940733		Gas Pipeline Replacement Program	Steel 1926-1927	657' of 2" Steel	Pipeline Repl Program	Peninsula	Menlo Oaks (unincorporated San Mateo County)	3280-11					40	36	PSIG	700' of 2" plastic		13	No significant changes	
318	Design	No	30967404		Gas Pipeline Replacement Program	1929-1931	2530' of 2" Steel	Pipeline Repl Program	Peninsula	San Mateo	3214-F4, F5, G4					34	31	PSIG	3,800' of 2" plastic 1,200' of 4" steel		102	No significant changes	
319	Cancelled	No	30955335 - Order cancelled and changed to 30993299		Gas Pipeline Replacement Program	n/a	n/a	Pipeline Repl Program	Sacramento	Sacramento	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
320	Construction	No	30973176		Gas Pipeline Replacement Program	Aldyl-A 1978-1978, Plastic 2011-2011, Steel 1925-1961	1263' of 12" Steel, 115' of 16" Steel, 55' of 1" Plastic, 731' of 1-1/4" Steel, 27' of 1" Aldyl-A, 80' of 2" Steel, 52' of 4" Steel	Pipeline Repl Program	Sacramento	Sacramento	2525J8 2526J1					50	44	PSIG	1412/8" HPPL 96/2" HPPL		Replace 31 services	None	
321	Construction	No	30993299		Gas Pipeline Replacement Program	Plastic 1983-1983, Steel 1935-1935, Wrought Iron 1926-1952	3244' of 2" Wrought Iron, 649' of 1-1/4" Plastic, 1105' of 2" Plastic, 455' of 3" Steel	Pipeline Repl Program	Sacramento	Sacramento	2587B1 2587B2					50	44	PSIG	1800/2" HPPL 2666/4" HPPL		Replace 169 services	None	
322	Construction	No	30944357		Gas Pipeline Replacement Program	Wrought Iron 1924-1924	722' of 3" Wrought iron	Pipeline Repl Program	San Jose	Cinnabar	3414-A4 Blocks 28-30					60	57	PSIG	790' of 4" Plastic		n/a	No Significant Changes	
323	Pre-Construction	No	30944358		Gas Pipeline Replacement Program	Cast Iron 1928-1934, Steel 1928-1930	930' of 6" Cast Iron, 695' of 3" Steel	Pipeline Repl Program	San Jose	Cinnabar	3413-D1 & 3413-E1					60	57	psig	620' of 2" Plastic		n/a	No Significant Changes	
324	Construction	No	30944380		Gas Pipeline Replacement Program	Steel 1934-1934	770' of 4" Steel	Pipeline Repl Program	San Jose	Cinnabar	3413-C1 BLOCK 4					60	57	psig	794' of 2" Plastic		21 services	No Significant Changes	
325	Construction	No	30966781		Gas Pipeline Replacement Program	Steel 1930-1950	5709' of 2" Steel	Pipeline Repl Program	Stockton	Stockton	WALL 3004 PLAT C5					60	55	PSIG	6095' of 2" Plastic 8903' of 1/2" Plastic 1314' of 1" Plastic		Replace 180 Svcs	Project not installed yet	
326	Complete	No	30988125		Gas Pipeline Replacement Program	1924	900' of 2" Steel 990' of 6" Steel 150' of 8" Steel	Pipeline Repl Program	Stockton	Stockton	WALL 2870 PLAT E3	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	n/a	10.5	7	WC	1158' of 6" Plastic 748' of 4" Plastic	Refer to Attachment 17.2	Replace 23 Svcs Transfer 2 Svcs Abandon 1 Svcs	Project not installed yet	

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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	MAOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
327	Pre-Construction	No	30988126	Redacted	Gas Pipeline Replacement Program	1930-1936	152' of 2" Steel	Pipeline Repl Program	Stockton	Stockton	WALL 3005 PLAT D8					60	55	PSIG	1,740' of 2" Plastic		Replace 48 Svcs	Project not installed yet.	
328	Design	No	30992342 / 30959090		Gas Pipeline Replacement Program	1918-1935	1500' of 2" Steel 60' of 3" Steel	Pipeline Repl Program	Stockton	Stockton	WALL 3005 PLAT C4						10.5	7	WC	1,710' of 4" Plastic		Replace/Transfer 47 Svcs	Project not installed yet.
329	Documentation	No	30900991		Gas Pipeline Replacement Program	Steel 1924-1924	838' of 8" Steel	Pipeline Repl Program	Yosemite	Modesto	Wall 3177 Plat I6	2011,2012, 2013	2013	Driscoplex	N/A	10.5"	8.5"	Inches of WC	251' 4" PL		None	None	
330	Construction	No	30948863		Gas Pipeline Replacement Program	Steel 31-38	400' of 4" Steel, 720' of 3" Steel	Pipeline Repl Program	Yosemite	Modesto	Wall 3177 Plat 14						60	54	PSI	1120' 2" PL		None	None
331	Pre-Construction	No	30969442		Gas Pipeline Replacement Program	Steel 1935-1937	237' of 2" Steel, 902' of 4" Steel	Pipeline Repl Program	Yosemite	Madera	Wall 3706 Plat 5B						42	36	PSI	1181' 2" PL		None	None
332	Pre-Construction	No	30969445		Gas Pipeline Replacement Program	Steel 1931-2011	497' of 2" Steel, 347' of 3" Steel	Pipeline Repl Program	Yosemite	Merced	Wall 3435 Plat I5						60	54	PSI	902' 4" PL		None	None
333	Pre-Construction	No	30969449		Gas Pipeline Replacement Program	Wrought Iron 1922-1922, Plastic 1981-1989, Steel 1941-1963	730' of 6" Wrought Iron, 242' of 4" Plastic, 308' of 4" Steel, 60' of 1" Plastic, 2064' of 1-1/4" Steel, 460' of 4" Wrought Iron	Pipeline Repl Program	Yosemite	Modesto	Wall 3235 Plat A4 & A5						10.5" 60 PSI	8.5" 54 PSI	Inches of WC PSI	2435' 2" PL		None	None
334	Pre-Construction	No	30980621		Gas Pipeline Replacement Program	Wrought Iron 1922-1927, Steel 1931-1940	333' of 6" Wrought Iron, 2804' of 4" Steel, 532' of 4" Wrought Iron	Pipeline Repl Program	Yosemite	Modesto	Wall 3235 Plat A5 & B5						10.5" 60 PSI	8.5" 54 PSI	Inches of WC PSI	4608' 2" PL		None	None
335	Documentation	No	30943691		Gas Pipeline Replacement Program	Steel 1970-1970	705' of 3" Steel, 406' of 1-1/4" Steel	Pipeline Repl Program	Central Coast	Santa Cruz	3675-C01						50	44	PSIG	975' of 2" pl, 138' of 1-1/4" pl, 100' of 1" pl, 110' of 1/2" pl		No effect	No significant changes
336	Documentation	No	30960422		Gas Pipeline Replacement Program	Steel 1936-1976	405' of 1-1/4" Steel, 1250' of 4" Steel, 143' of 2" Steel	Pipeline Repl Program	Kern	Bakersfield	4931, J1 & I1						51	48	PSIG	1310' of 2" PL 146' of 1-1/4" PL		No effect	No effect
337	Pre-Construction	No	31009584		Gas Pipeline Replacement Program	Plastic 1981-1981, Steel 1925-1978	212' of 1-1/4" Steel, 4710' of 2" Steel, 946' of 3" Steel, 235' of 1" Plastic,	Pipeline Repl Program	Sierra	Grass Valley	2102-B6, B7						60	56	PSIG	INSTALL: 5263 FT - 2" PL		TRANSFER 20 SERVICES, RPLC 69 SERVICES.	MAOP CHANGE FROM 20 PSIG TO 60 PSIG.
338	Construction	No	30945051		Gas Pipeline Replacement Program	Cast Iron 1913-1938, Steel 1928-1989	2960' of 4" Cast Iron, 33' of 12" Steel, 188' of 10" Steel, 48' of 8" Steel, 38' of 6" Steel, 260' of 4" Steel, 376' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3-F14C, 3-F14D, 5-A15A 5-A14B						60	50	PSIG	521' - 2" PLHP 2302' - 2" PLHP		77 replaced 11 transferred 4 converted	Uprate: 187' of 4" PLLP to PLHP
339	Documentation	No	30945054		Gas Pipeline Replacement Program	Cast Iron 1916-1926, Steel 1928-1954	1604' of 4" Cast Iron, 2128' of 16" Steel, 624' of 6" Cast Iron, 198' of 8" Steel, 27' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-F16C, 3-F16D						60 10.5"	50 10"	PSIG W.C.	1888' - 2" PLHP 33' - 2" STHP 310' - 6" PLLP 109' - 6" PLHP 15' - 6" STLLP 1987' - 12" STLHP		45 replaced 66 transferred	LP to HP
340	Construction	No	30956932		Gas Pipeline Replacement Program	Cast Iron 1912-1925, Steel 1924-1924	2993' of 4" Cast Iron, 76' of 2" Steel,	Pipeline Repl Program	San Francisco	San Francisco	3-B14A, 3-B14B, 3-B14C, 3-B14D						60	50	PSIG	3110' - 2" PLHP		96 replaced 25 transferred 2 converted	Uprate: 210' of 4" PLLP to PLHP
341	Construction	No	30956934		Gas Pipeline Replacement Program	Cast Iron 1913-1926, Plastic 1980-1980, Steel 1931-1968	26' of 4" Plastic, 966' of 4" Steel, 1146' of 6" Cast Iron, 2661' of 4" Cast Iron, 76' of 12" Cast Iron, 215' of 3" Steel,	Pipeline Repl Program	San Francisco	San Francisco	3-D15, 3-D16A						60 10.5"	50 10"	PSIG W.C.	2359' - 2" PLHP 741' - 4" PLLP 549' - 6" PLLP 957' - 8" PLLP 12' - 8" STLLP 12' - 12" STLLP		162 replaced 60 transferred 26 converted	Uprate: 548' of 4" PLLP to PLHP
342	Construction	No	30956936		Gas Pipeline Replacement Program	Steel 1927-1940	1750' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-E13B, 3-E14A						10.5"	10"	W.C.	1223' - 4" PLLP 80' - 4" STLLP		43 replaced 3 transferred	No significant changes
343	Complete	No	30956937		Gas Pipeline Replacement Program	Steel 1924-1940	2472' of 4" Steel, 190' of 8" Steel, 834' of 6" Steel,	Pipeline Repl Program	San Francisco	San Francisco	3-C09D, 3-D09B, 3-C10C	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report		60 9.2	50 7.0	PSIG	40' - 2" PLSHP 2326' - 2" PLHP 84' - 4" PLSHP 156' - 4" PLHP 846' - 6" PLHP	Refer to Attachment 17.2	148 replaced 24 transferred 36 converted	Uprate: 492' of 4" PLSHP to PLHP

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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
344	Construction	No	30956938	Redacted	Gas Pipeline Replacement Program	Cast Iron 1922-1922	532' of 4" Cast Iron, 943' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3-F14B, 3-F15A					60	50	PSIG	1396' - 2" PLHP 2734' - 1" PLHP		57 replaced 17 transferred	LP to HP	
345	Construction	No	30957041		Gas Pipeline Replacement Program	Steel 1928-1957	903' of 16" Steel, 653' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-E13D						10.5"	10"	W.C.	88' - 4" STLLP 105' - 6" STLLP 762' - 8" STLLP 203' - 8" PLLP		30 replaced 4 transferred	No significant changes
346	Documentation	No	30977599		Gas Pipeline Replacement Program	Cast Iron 1938-1938, Steel 1929-1975	5493' of 16" Steel, 40' of 12" Steel, 50' of 6" Cast Iron, 29' of 4" Cast Iron, 184' of 4" Steel, 663' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-A15A, 3-A15B, 3-A15C, 3-A15D, 5-A16A, 3-F16C						60	50	PSIG	1940' - 6" STLHP 3150' - 12" STLHP		192 replaced 28 transferred 1 cut off	Uprate: 410' of 6" STLLP to STLHP
347	Construction	No	30977843		Gas Pipeline Replacement Program	Steel 1929-1929	985' of 6" Steel, 100' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	6-B03						60	50	PSIG	1127' - 6" PLHP		No effect	LP to HP
348	Construction	No	30977846		Gas Pipeline Replacement Program	Cast Iron 1916-1916	1318' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3-F14B, 3-E14D, 3-E15C, 3-F15A						60 10.5"	50 10"	PSIG W.C.	80' - 2" PLHP 196' - 4" PLHP 277' - 6" PLLP 872' - 8" PLLP		31 replaced 16 transferred	No significant changes
349	Construction	No	30977847		Gas Pipeline Replacement Program	Cast Iron 1914-1926, Steel 1979-1979	35' of 6" Steel, 438' of 6" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	5-A13B						10.5"	10"	W.C.	395' - 6" PLLP		1 replaced	No significant changes
350	Construction	No	30977848		Gas Pipeline Replacement Program	Steel 1926-1966	2124' of 4" Steel, 387' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-D05, 3-D06A, 3-D06C						9.2	7	PSIG	738' - 4" PLSHP 1432' - 4" STLSHP 398' - 6" STLSHP		89 replaced 18 transferred	No significant changes
351	Construction	No	30998056		Gas Pipeline Replacement Program	Cast Iron 1913-1925, Steel 1913-1972	1974' of 3" Steel, 482' of 3" Cast Iron, 544' of 4" Cast Iron, 301' of 4" Steel, 58' of 2" Plastic,	Pipeline Repl Program	San Francisco	San Francisco	5-A15C, 5-B15						60	50	PSIG	1907' - 2" PLHP 456' - 4" PLHP		71 replaced 29 transferred 34 converted	Uprate: 745' of 4" PLLP to PLHP
352	Construction	No	30998128		Gas Pipeline Replacement Program	Cast Iron 1916-1926, Plastic 2003-2003, Steel 1913-1967, Wrought Iron 1917-1917	4361' of 4" Cast Iron, 994' of 3" Steel, 68' of 2" Plastic, 65' of 6" Steel, 275' of 2" Cast Iron, 130' of 2" Wrought Iron	Pipeline Repl Program	San Francisco	San Francisco	5-B16, 5-B15						60	50	PSIG	5832' - 2" PLHP 63' - 4" PLHP		126 replaced 23 transferred 43 converted	Uprate: 383' of 4" PLLP to PLHP 819' of 2" PLLP to PLHP
353	Pre-Construction	No	31000120		Gas Pipeline Replacement Program	Cast Iron 1922-1927, Steel 1926-1949	1182' of 4" Steel, 1578' of 12" Steel, 2101' of 4" Cast Iron, 1037' of 12" Cast Iron, 29' of 8" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	3-E12						60	50	PSIG	1193' - 2" PLHP 3033' - 4" PLHP 714' - 6" PLHP		97 replaced 28 transferred	LP to HP
354	Pre-Construction	No	31000361		Gas Pipeline Replacement Program	Cast Iron 1926-1928, Steel 1922-1936	3367' of 4" Cast Iron, 1081' of 12" Cast Iron, 56' of 2" Steel, 226' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-D12, 3-D13, 3-E12						60	50	PSIG	3231' - 2" PLHP 1800' - 4" PLHP		176 replaced 25 transferred	LP to HP
355	Construction	No	31000363		Gas Pipeline Replacement Program	Cast Iron 1927-1927, Steel 1927-1936	930' of 16" Steel, 55' of 12" Cast Iron, 292' of 12" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-D12D, 3-D13						60 10.5"	50 10"	PSIG W.C.	1125' - 2" PLHP 266' - 4" PLHP 1165' - 8" PLLP 20' - 8" STLLP 209' - 12" STLLP		10 replaced 7 transferred	LP to HP
356	Construction	No	31012252		Gas Pipeline Replacement Program	Steel 1929-1948	1213' of 4" Steel, 165' of 2" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-D14, 3-D15						60	50	PSIG	555' - 2" STLHP 542' - 2" PLHP 33' - 4" PLHP		26 replaced 12 transferred	LP to HP
357	Pre-Construction	No	31016499		Gas Pipeline Replacement Program	Cast Iron 1920-1920, Plastic 2001-2001, Steel 1920-1950	210' of 4" Plastic, 1881' of 4" Steel, 160' of 6" Steel, 470' of 8" Steel, 1250' of 2" Steel, 70' of 8" Cast Iron, 1345' of 4" Cast Iron, 730' of 12" Steel	Pipeline Repl Program	San Francisco	San Francisco	3-E10C, 3-E10D, 3-F10						60	50	PSIG	3088' - 2" PLHP 670' - 4" PLHP		43 replaced 7 transferred 37 converted	Uprate: 2565' of 4" PLLP to PLHP
358	Complete	No	30950509		Gas Pipeline Replacement Program	Steel 1939-1939	570' of 2" Steel	Pipeline Repl Program	Diablo	Concord	WALL 0044 PLAT A7		8/29/2012 (2")	2013	DRISCOPEX	N/A	50	35	PSIG	720' OF 2" PLASTIC	Refer to Attachment 17.2	No effect	No Significant changes
359	Documentation	No	30950510		Gas Pipeline Replacement Program	Steel 1940-1940	600' of 4" Steel, 1645' of 2" Steel	Pipeline Repl Program	Diablo	Concord	WALL 0044 PLAT A7						50	35	PSIG	1530' of 2" PLASTIC 635' of 4" PLASTIC		No effect	No Significant changes
360	Design	No	30965520	Gas Pipeline Replacement Program	1938-1977	1080' of 2" Steel	Pipeline Repl Program	Diablo	Concord	WALL 0044 PLAT C14						60	54	PSIG	1185' of 4" PLASTIC		No effect	No Significant changes	
361	Design	No	30945587	Gas Pipeline Replacement Program	1924	800' of 8" Steel	Pipeline Repl Program	De Anza	Cupertino	Wall 3411 Plat A4						60	57	PSIG	Project cancelled. PM on hold for future use.		Project cancelled. PM on hold for future use.	Project cancelled. PM on hold for future use.	

**TABLE 17-1
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Line No:	13	14	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
362	Documentation	No	30958999	Redacted	Gas Pipeline Replacement Program	Steel 1931-1938	433' of 2" Steel	Pipeline Repl Program	De Anza	Cupertino	Wall 3412 Plat H4, H5					60	57	PSIG	422 FT of 2" PL main		replaced 10 services; CT&T 2 services	No significant changes	
363	Pre-Construction	No	30967816		Gas Pipeline Replacement Program	Steel 1931-1931	880' of 2" Steel	Pipeline Repl Program	De Anza	Cupertino	Wall 3412 Plat I6						60	57	PSIG	2014-planned: 880 FT of 2" PL main		replace 10 services; CT&T 6 services.	No significant changes
364	Pre-Construction	No	30968221		Gas Pipeline Replacement Program	1938-1940	1950' of 2" Steel	Pipeline Repl Program	De Anza	Cupertino	Wall 3349 Plat G3, G4						60	57	PSIG	2014-planned: 2535 FT of 2" PL main		replace 40 services; CT&T 8 services.	uprating portion of 30 PSIG system to 60 PSIG
365	Pre-Construction	No	30980608		Plastic Replacement	Aldyl-A 1969-1969	2670' of 2" Aldyl-A	Pipeline Repl Program	Peninsula	Redwood City	3278-A7						50	46	PSIG	2,695' of 2" plastic		67	No significant changes
366	Construction	No	30948396		Plastic Replacement	Aldyl-A 1971-1971	500' of 2" Aldyl-A	Pipeline Repl Program	Peninsula	Redwood City	3279-F1						60	56	PSIG	535, of 6" plastic		6	Low point pressure increased 10 PSIG under APD conditions
367	Pre-Construction	No	30948397		Plastic Replacement	Aldyl-A 1969-1976, Steel 1969-1969	6427' of 2" Aldyl-A, 622' of 3" Steel	Pipeline Repl Program	Peninsula	Half Moon Bay	3275-I7, I8						50	46	PSIG	6,434' of 2" plastic 580' of 4" plastic		156	No significant changes
368	Pre-Construction	No	30948399		Plastic Replacement	Aldyl-A 1969-1981	5577' of 2" Aldyl-A,	Pipeline Repl Program	Peninsula	Half Moon Bay	3275-H8, I8						50	46	PSIG	5,975' of 2" plastic		115	No significant changes
369	Pre-Construction	No	30951495		Plastic Replacement	Plastic 1973-1974	161' of 1-1/4" Plastic, 5622' of 2" Plastic	Pipeline Repl Program	Peninsula	Foster City	3215-I4						50	46	PSIG	5,750' of 2" plastic		183	No significant changes
370	Complete	No	30951496		Plastic Replacement	1967	2771' of 2" Plastic	Pipeline Repl Program	Peninsula	Foster City	3215-I4	1/1/12, 7/24/13, 7/25/13	2013	DRISCOPEX	N/A	50	46	PSIG	2,654' of 2" plastic pipe	Refer to Attachment 17.2	74	no significant changes	
371	Pre-Construction	No	30973101		Plastic Replacement	Aldyl-A 1970-1970	3555' of 2" Aldyl-A	Pipeline Repl Program	Peninsula	Redwood City	3278-B7						50	46	PSIG	3,555' of 2" plastic pipe		86	No significant changes
372	Pre-Construction	No	30974119		Plastic Replacement	Plastic 1969-1969	3920' of 2" Plastic	Pipeline Repl Program	Peninsula	Redwood City	3278-A7						50	46	PSIG	3,800' of 2" plastic		97	No significant changes
373	Pre-Construction	No	30978635		Plastic Replacement	Aldyl-A 1972-1972	3652' of 1-1/4" Aldyl-A, 1296' of 2" Aldyl-A	Pipeline Repl Program	Peninsula	Foster City	3215-H6, I6						50	46	PSIG	3,750' of 2" plastic		27	No significant changes
374	Complete	No	30941506		Plastic Replacement	Plastic 1974-1974	897' of 4" Plastic, 1361' of 1-1/4" Plastic	Pipeline Repl Program	San Francisco	San Francisco	4-F1B, 4-F1D, 4-F2A	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	60	50	PSIG	1216' - 2" PLHP 755' - 4" PLHP	Refer to Attachment 17.2	105 replaced 7 transferred	No significant changes	
375	Construction	No	30941508		Plastic Replacement	Aldyl-A 1975-1975	908' of 4" Aldyl-A, 945' of 1" Aldyl-A	Pipeline Repl Program	San Francisco	San Francisco	4-D02C, 4-E02A						60	50	PSIG	1000' - 2" PLHP		57 replaced 9 transferred	No significant changes
376	Documentation	No	30941509		Plastic Replacement	Aldyl-A 1976-1976	610' of 4" Aldyl-A	Pipeline Repl Program	San Francisco	San Francisco	4-E2C						60	50	PSIG	390' - 2" PLHP		20 replaced 6 transferred	No significant changes
377	Construction	No	30956935		Plastic Replacement	Plastic 1974-1979	48' of 4" Steel, 301' of 3" Plastic, 725' of 4" Plastic	Pipeline Repl Program	San Francisco	San Francisco	3-D15						60 10.5"	50 10"	PSIG W.C.	1050' - 2" PLHP 82' - 4" PLLP		45 replaced 1 transferred	LP to HP
378	Documentation	No	30977841		Plastic Replacement	Aldyl-A 1974-1974	410' of 4" Aldyl-A	Pipeline Repl Program	San Francisco	San Francisco	5-A14C, 5-A14D, 5-B14A, 5-B14B						60	50	PSIG	450' - 6" PLHP		30 replaced 2 transferred	LP to HP
379	Construction	No	30931462		Plastic Replacement	Aldyl-A 73-73	346' of 1-1/4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0046 PLAT D7						60	56	PSIG	360' of 2" PLASTIC		No effect	No Significant changes
380	Construction	No	30931489		Plastic Replacement	Aldyl-A 1973-1973	812' of 2" Aldyl-A, 3339' of 1-1/4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0049 PLAT B2						60	56	PSIG	4394' OF 2" PLASTIC		No effect	No Significant changes
381	Pre-Construction	No	30931490		Plastic Replacement	Aldyl-A 1972-1973	5688' of 1-1/4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0048 PLAT F9						60	54	PSIG	6000' OF 2" PLASTIC		No effect	No Significant changes
382	Documentation	No	30931494	Plastic Replacement	Aldyl-A 1972-1972	2272' of 2" Aldyl-A, 602' of 1-1/4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0051 PLAT C10/C9						60	56	PSIG	2893' OF 2" PLASTIC		No effect	No Significant changes	

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	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
383	Pre-Construction	No	30931497	Redacted	Plastic Replacement	Aldyl-A 1972-1972	1320' of 1-1/4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0051 PLAT D9					60	56	PSIG	1460' OF 2" PLASTIC		No effect	No Significant changes	
384	Pre-Construction	No	30931498		Plastic Replacement	1972	508' of 2" Plastic	Pipeline Repl Program	Diablo	Concord	WALL 0052 PLAT D2						50	44	PSIG	508' OF 2" PLASTIC		No effect	No Significant changes
385	Construction	No	30931583		Plastic Replacement	Aldyl-A 1974-1974	5406' of 1-1/4" Aldyl-A, 1630' of 3" Aldyl-A, 1008' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0048 PLAT E15F15						60	54	PSIG	6524' OF 2" PLASTIC 1630' OF 4" PLASTIC		No effect	No Significant changes
386	Pre-Construction	No	30931584		Plastic Replacement	Plastic 1973-1973	1466' of 1-1/4" Plastic, 1714' of 2" Plastic	Pipeline Repl Program	Diablo	Concord	WALL 0048 PLAT F7 WALL 0049 PLAT A6/A7						60	54	PSIG	3275' OF 2" PLASTIC		No effect	No Significant changes
387	Construction	No	30931585		Plastic Replacement	Aldyl-A 1974-1974	1510' of 1-1/4" Aldyl-A, 2820' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0044 PLAT C11						60	54	PSIG	4230' OF 2" PLASTIC		No effect	No Significant changes
388	Design	No	30931586		Plastic Replacement	1973	596' of 1-1/4" Plastic	Pipeline Repl Program	Diablo	Concord	WALL 0044 PLAT B13						60	54	PSIG	5960' OF 2" PLASTIC		No effect	No Significant changes
389	Construction	No	30931587		Plastic Replacement	Aldyl-A 1973-1973	1600' of 1-1/4" Aldyl-A, 1800' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0046 PLAT F6						60	56	PSIG	3400' OF 2" PLAS		No effect	No Significant changes
390	Complete	No	30949265		Plastic Replacement	Aldyl-A 1977-1977	1425' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0048 PLAT F4		9/30/2012 (2")	2013	DRISCOPEX	N/A	60	54	PSIG	1483' OF 2" PLASTIC	Refer to Attachment 17.2	No effect	No Significant changes
391	Pre-Construction	No	30949271		Plastic Replacement	Aldyl-A 1975-1986	933' of 1-1/4" Aldyl-A, 2145' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0049 PLAT C3						60	56	PSIG	3149' OF 2" PLASTIC		No effect	No Significant changes
392	Documentation	No	30949273		Plastic Replacement	Aldyl-A 1972-1972	1587' of 1-1/4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0051 PLAT C9						60	56	PSIG	1587' OF 2" PLASTIC		No effect	No Significant changes
393	Construction	No	30949275		Plastic Replacement	Aldyl-A 1976-1976	1404' of 1-1/4" Aldyl-A, 4950' of 3" Aldyl-A, 5684' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0051 PLAT F13						55	49	PSIG	12100' OF PLASTIC (2", 4" AND 6")		No effect	No Significant changes
394	Pre-Construction	No	30949276		Plastic Replacement	1983	3900' of 2" Plastic	Pipeline Repl Program	Diablo	Concord	WALL 0045 PLAT D12						60	54	PSIG	3900' OF 2" PLASTIC		No effect	No Significant changes
395	Pre-Construction	No	30949279		Plastic Replacement	Aldyl-A 1972-1972	4420' of 1-1/4" Aldyl-A, 3929' of 4" Aldyl-A, 1909' of 3" Aldyl-A, 4012' of 2" Aldyl-A	Pipeline Repl Program	Diablo	Antioch	WALL 0064 PLAT D12D13						60	54	PSIG	6937' OF 2" PLASTIC 5615' OF 4" PLASTIC		No effect	No Significant changes
396	Pre-Construction	No	30968814		Plastic Replacement	Aldyl-A 1973-1973	1060' of 1-1/4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0046 PLAT F08						60	56	PSIG	1250' OF 2" PLASTIC		No effect	No Significant changes
397	Design	No	30981471		Plastic Replacement	1984	1208' of 2" Plastic 1103' of 1-1/4" Plastic	Pipeline Repl Program	Diablo	Concord	WALL 0044 PLAT C13						60	54	PSIG	2311' OF 2" PLASTIC		No effect	No Significant changes
398	Pre-Construction	No	30981472		Plastic Replacement	Aldyl-A 1974-1974	3930' of 2" Aldyl-A, 4602' of 4" Aldyl-A, 2735' of 1-1/4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0064 PLAT D13/E11E12/ E13						60	54	PSIG	6745' OF 2" PLASTIC 4662' OF 4" PLASTIC		No effect	No Significant changes
399	Pre-Construction	No	31028690		Plastic Replacement	Aldyl-A 1974-1974	1987' of 4" Aldyl-A	Pipeline Repl Program	Diablo	Concord	WALL 0059 PLAT B14B15						60	56	PSIG	260' OF 6" PLASTIC		No effect	No Significant changes
400	Pre-Construction	No	30950933		Plastic Replacement	Aldyl-A 1971-1972, Steel 1956-1956	8313' of 1-1/4" Aldyl-A 111' of 3" Steel	Pipeline Repl Program	East Bay	Richmond	WALL 0005 PLAT D03						Job not complete	50	PSIG	7725' of 2"HPPL		154	None

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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
401	Construction	No	30950934	Redacted	Plastic Replacement	Aldyl-A 1974-1974	1520' of 1-1/4" Aldyl-A	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT C14					Job not complete	32	PSIG	1250' of 2"HPPL		49	None	
402	Pre-Construction	No	30950935		Plastic Replacement	Aldyl-A 1974-1974, Plastic 2011-2011	25' of 2" Plastic, 910' of 2" Aldyl-A	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT A13						Job not complete	32	PSIG	1000' of 2"HPPL		23	None
403	Construction	No	30957905		Plastic Replacement	Aldyl-A 1972-1976, Steel 1973-1973	86' of 2" Steel, 698' of 1-1/4" Aldyl-A, 942' of 2" Aldyl-A	Pipeline Repl Program	East Bay	Oakport	WALL 0009 PLAT B05						60	50	PSIG	1602' of 2"HPPL		56	None
404	Pre-Construction	No	30966521		Plastic Replacement	Aldyl-a 1984 Steel 1933	80' of 12" Steel, 1420' of 10" Aldyl-A	Pipeline Repl Program	East Bay	Oakport	WALL 0007 PLAT C05, WALL 0007 PLAT C06						Job not complete	15	PSIG	1500' of 8"SHPPPL		4	None
405	Construction	No	30950518		Plastic Replacement	1978	1800' of 2" and 1-1/4" Plastic	Pipeline Repl Program	Mission	Hayward	WALL 0019 PLAT F09	7/9/2013	2013	Driscoplex	N	58	50	PSIG	2059 Ft 2 in. Diameter PL		No effect	No significant changes	
406	Documentation	No	30950729		Plastic Replacement	Aldyl-A 1973-1973	825' of 2" Aldyl-A	Pipeline Repl Program	Mission	Hayward	WALL 0013 PLAT B14 WALL 0013 PLAT B15	4/15/2013	2013	Driscoplex	N	58	50	PSIG	801 Ft. 2 in Diameter PL		No effect	No significant changes	
407	Complete	No	30950734		Plastic Replacement	Aldyl-A 1973-1977	1073' of 2" Aldyl-A, 380' of 1-1/4" Aldyl-A	Pipeline Repl Program	Mission	Hayward	WALL 0012 PLAT C11	4/14/13 - 1,113 Ft. 16/13 - 343 Ft.	2013	Driscoplex	N	58	50	PSIG	1456 Ft 2 in. Diameter PL	Refer to Attachment 17.2	No effect	No significant changes	
408	Pre-Construction	No	30921130		Plastic Replacement	Aldyl-A 1972-1974	5435' of 2" Aldyl-A, 510' of 3" Aldyl-A, 665' of 1-1/4" Aldyl-A	Pipeline Repl Program	Central Coast	Monterey	3956-C7, C8, E8						52	48	PSIG	510' of 4" pl, 4992' of 2" pl		No effect	No significant changes
409	Design	No	30921133		Plastic Replacement	1992	1300' of 2" Plastic	Pipeline Repl Program	Central Coast	Monterey	3900-A2						60	54	PSIG	1300' of 2" pl		No effect	No significant changes
410	Pre-Construction	No	30921134		Plastic Replacement	1971	4225' of 2" Plastic	Pipeline Repl Program	Central Coast	Monterey	3895-G8						52	48	PSIG	4225' of 2" pl, 3244' of 1" pl, 2278' of 1/2" pl		No effect	No significant changes
411	Construction	No	30921135		Plastic Replacement	Aldyl-A 1972-1974, Plastic 1992-1997	116' of 2" Plastic, 4182' of 2" Aldyl-A, 710' of 1-1/4" Aldyl-A, 56' of 3" Aldyl-A, 33' of 1-1/4" Plastic	Pipeline Repl Program	Central Coast	Monterey	3956-C8						52	48	PSIG	4704' of 2" pl, 5101' of 1" pl, 886' of 1/2" pl		No effect	No significant changes
412	Design	No	30949406		Plastic Replacement	Plastic 1970-1973	310' of 1-1/4" Plastic, 6301' of 2" Plastic	Pipeline Repl Program	De Anza	Cupertino	Wall 3474 Plat D5						60	57	PSIG	2014-planned: 6611 FT of 2" PL main	replace 91 services	No significant changes	
413	Construction	No	30946163		Plastic Replacement	Aldyl-A 1970-1970	41' of 2" Steel, 439' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	3413-D1, BLOCK 1						60	57	psig	487' of 2" Plastic		n/a	No Significant Changes
414	Construction	No	30946164		Plastic Replacement	Aldyl-A 1972-1972	2813' of 3" Aldyl-A, 1807' of 1-1/4" Aldyl-A, 1723' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	3413-H4 & 3413-I4						60	57	psig	5206' of 2" Plastic		n/a	No Significant Changes
415	Construction	No	30946165		Plastic Replacement	Aldyl-A 1972-1972	1365' of 2" Aldyl-A, 409' of 1-1/4" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	3414-J5 BLOCKS 56-59						60	57	psig	1,774 FT of 2" Plastic		n/a	No Significant Changes
416	Pre-Construction	No	30946166		Plastic Replacement	Aldyl-A 1972-1976, Steel 1968-1968	168' of 2" Steel, 1267' of 1-1/4" Aldyl-A, 3956' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	3476-E6 & 3476-E7						60	57	psig	4,218 FT of 2" Main		111	No Significant Changes
417	Pre-Construction	No	30951511		Plastic Replacement	Aldyl-A 1971-1972	2475' of 2" Aldyl-A, 1790' of 2" Aldyl-A, 150' of 1-1/4" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	3476-A2						60	57	psig	4,150 FT. OF 2" Plastic		123	No significant changes
418	Pre-Construction	No	30951512		Plastic Replacement	Aldyl-A 1972-1972, Plastic 1987-1989	1050' of 4" Aldyl-A, 1550' of 1-1/4" Aldyl-A, 896' of 1-1/4" Plastic	Pipeline Repl Program	San Jose	Cinnabar	3352-G6						60	57	psig	2,500 FT of 4" Plastic		68	No significant changes

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
419	Pre-Construction	No	30951515	Redacted	Plastic Replacement	Aldyl-A 1972-1972	2600' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	3413-G2					60	57	psig	3,150 FT of 2" Plastic		65	No significant changes	
420	Complete	No	30951516		Plastic Replacement	1990	1000' of 2" Plastic	Pipeline Repl Program	San Jose	Cinnabar	3413-G4		As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	60	57	psig	1,000' of 2" Plastic	Refer to Attachment 17.2	39	No significant changes
421	Construction	No	30982655		Plastic Replacement	Aldyl-A 1972-1972	3100' of 4" Aldyl-A, 200' of 2" Aldyl-A	Pipeline Repl Program	San Jose	Cinnabar	3475-C7 BLOCK 3,4 AND 3475-C8 BLOCKS 13,14,46					60	54	psig	3146FT OF 4" PLMAIN, 204 OF 2" PLMAIN		n/a	n/a	
422	Construction	No	30918762		Plastic Replacement	Aldyl-A 1972-1972, Steel 1972-1972	3202' of 2" Aldyl-A, 645' of 4" Aldyl-A, 100' of 1-1/4" Steel	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT E5 & E6					60	54	PSIG	2,989' of 2" PL 691' of 3" PL		None	None	
423	Construction	No	30949998		Plastic Replacement	Aldyl-A 1973-1973, Steel 1972-1972	944' of 4" Aldyl-A, 2199' of 2" Aldyl-A, 159' of 4" Steel, 141' of 1-1/4" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3803 PLAT I1, I2, & J2					60	54	PSIG	2,336' of 2" PL 1,125' of 4" PL		None	None	
424	Construction	No	30949999		Plastic Replacement	Aldyl-A 1972-1972, Plastic 1975-1991, Steel 1947-1969	317' of 3" Steel, 102' of 2" Plastic, 3386' of 2" Aldyl-A, 143' of 1" Plastic, 28' of 1-1/4" Plastic	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT E4 & E5					60	54	PSIG	3,105' of 2" PL		None	None	
425	Pre-Construction	No	30950083		Plastic Replacement	Aldyl-A 1972-1990, Steel 1972-1972	1869' of 3" Aldyl-A, 37' of 1-1/4" Aldyl-A, 128' of 2" Aldyl-A, 303' of 6" Steel, 110' of 4" Aldyl-A, 650' of 4" Steel	Pipeline Repl Program	Fresno	Fresno	WALL 3804 PLAT E5, E6 & F6					60	54	PSIG	260' of 2" PL 2,628' of 4" PL 310' of 6" PL		None	None	
426	Construction	No	30950085		Plastic Replacement	Aldyl-A 1973-1973	657' of 1-1/4" Aldyl-A, 4235' of 1" Aldyl-A, 1014' of 2" Aldyl-A, 1555' of 3" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3802 PLAT H8, WALL 3803 PLAT H1					60	54	PSIG	1,669' of 2" PL 1,605' of 4" PL		None	None	
427	Pre-Construction	No	30950087		Plastic Replacement	Aldyl-A 1973-1973	2580' of 2" Aldyl-A, 295' of 1-1/4" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3804 PLAT F3					60	54	PSIG	2,850' of 2" PL		None	None	
428	Pre-Construction	No	30950088		Plastic Replacement	Aldyl-A 1975-1975	4645' of 2" Aldyl-A, 2677' of 4" Aldyl-A, 7622' of 1" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3804 PLAT F7 & G7					60	54	PSIG	5,302' of 2" PL 2,138' of 4" PL		None	None	
429	Pre-Construction	No	30965959		Plastic Replacement	Aldyl-A 1974-1974	2736' of 2" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3803 PLAT I2 & I3					60	54	PSIG	2,711' of 2" PL		None	None	
430	Pre-Construction	No	30966121		Plastic Replacement	Aldyl-A 1974-1974, Aldyl-A 1984-1984, Steel 1933-1933	2629' of 2" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3803 PLAT I2, I3, J2, & J3					60	54	PSIG	2,610' of 2" PL		None	None	
431	Construction	No	30967354		Plastic Replacement	Aldyl-A 1973-1973	470' of 2" Aldyl-A, 2670' of 1-1/4" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3803 PLAT I1, J1 & J2					60	54	PSIG	2,675' of 2" PL		None	None	
432	Pre-Construction	No	30967355		Plastic Replacement	Aldyl-A 1973-1973	1708' of 2" Aldyl-A, 2220' of 4" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3803 PLAT I2 & J2					60	54	PSIG	1,728' of 2" PL 2,222' of 4" PL		None	None	
433	Construction	No	30996902		Plastic Replacement	Aldyl-A 1973-1973	2189' of 2" Aldyl-A, 2058' of 1-1/4" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3802 PLAT H8, WALL 3803 PLAT H1					60	54	PSIG	4,115' of 2" PL		None	None	
434	Pre-Construction	No	31016593		Plastic Replacement	1974	3908' of 4" Plastic	Pipeline Repl Program	Fresno	Fresno	WALL 3870 PLAT D2 & D3					60	54	PSIG	4,033' of 4" PL		None	None	
435	Pre-Construction	No	31017205		Plastic Replacement	Aldyl-A 1973-1973	1150' of 3" Aldyl-A, 115' of 1" Aldyl-A, 55' of 1-1/4" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3870 PLAT F4 & G4					60	54	PSIG	1,196' of 4" PL		None	None	
436	Pre-Construction	No	31017627		Plastic Replacement	1972	3432' of 2" Aldyl-A, 1037' of 1-1/4" Aldyl-A	Pipeline Repl Program	Fresno	Fresno	WALL 3804 PLAT I4					60	54	PSIG	4,730' of 2" PL		None	None	

**TABLE 17-1
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(CONTINUED)**

Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
437	Design	No	30983006	Redacted	Plastic Replacement	1978	3677' of 4" Plastic	Pipeline Repl Program	Stockton	Stockton	WALL 3004 PLAT A2					60	55	PSIG	3,939' of 6" Plastic 356' of 2" Plastic		Replace/Transfer 14 Svcs	Project not installed yet.	
438	Design	No	31038790		Plastic Replacement	Information Not Available at Time of Report	Information Not Available at Time of Report	Pipeline Repl Program	Stockton	Stockton	WALL 3116 PLAT A1						60	54	PSIG	1,605' of 4" Plastic 365' of 2" Plastic		Install/Replace 40 Svcs	Project not installed yet.
439	Design	No	31038791		Plastic Replacement	1975	3412' of 4" Plastic 330' of 2" Plastic	Pipeline Repl Program	Stockton	Stockton	WALL 2946 PLAT J2, J3, J4						60	54	PSIG	3,412' of 6" Plastic 20' of 3" Plastic 330' of 2" Plastic		Replace 2 Svcs	Project not installed yet.
440	Documentation	No	31038792		Plastic Replacement	Aldyl-A 1975-1975	3000' of 2" Aldyl-A	Pipeline Repl Program	Stockton	Stockton	WALL 3004 PLAT A2, A3						60	54	PSIG	3,140' of 2" Plastic		Install/Replace 77 Svcs	Project not installed yet.
441	Construction	No	30948866		Plastic Replacement	Plastic 1972-1972, Steel 1969-1970	2785' of 2" Plastic, 33' of 2" Steel, 61' of 3" Steel	Pipeline Repl Program	Yosemite	Modesto	Wall 3177 Plat E2						60	54	PSI	2846' 2" PL		None	None
442	Design	No	30948869		Plastic Replacement	Aldyl-A 1972, 1973, 1985	3615' of 2" Aldyl-A 841' of 1 1/4" Aldyl-A	Pipeline Repl Program	Yosemite	Modesto	Wall 3236 Plat G2						60	54	PSI	3935' 2" PL		None	None
443	Design	No	30952029		Plastic Replacement	Work Documents not yet available	Work Documents not yet available	Pipeline Repl Program	Yosemite	Modesto												None	None
444	Pre-Construction	No	30980577		Plastic Replacement	Aldyl-A 1973-1978	2555' of 2" Aldyl-A	Pipeline Repl Program	Yosemite	Turlock	Wall 3300 Plat H7						60	54	PSI	2691' 2" PL		None	None
445	Pre-Construction	No	30980578		Plastic Replacement	Aldyl-A 1972, 1973, 1985	4692' of 2" Aldyl-A	Pipeline Repl Program	Yosemite	Modesto	Wall 3177 Plat J1 & J2						60	54	PSI	4692' 2" PL		None	None
446	Pre-Construction	No	30980620		Plastic Replacement	Plastic 1972-1972	2705' of 2" Plastic, 1201' of 3" Plastic	Pipeline Repl Program	Yosemite	Modesto	Wall 3235 B7, B8, C8						60	54	PSI	2402' 2" PL 1226' 4" PL		None	None
447	Design	No	30980622		Plastic Replacement	Work Documents not yet available	Work Documents not yet available	Pipeline Repl Program	Yosemite	Merced												None	None
448	Pre-Construction	No	30980623		Plastic Replacement	Aldyl-A 1973-1973	361' of 1-1/4" Aldyl-A, 2308' of 2" Aldyl-A	Pipeline Repl Program	Yosemite	Modesto	Wall 3178 Plat H4						60	54	PSI	2414' 2" PL		None	None
449	Construction	No	30944311		Plastic Replacement	Aldyl-A 1979-1979, Plastic 1997-1997	70' of 2" Plastic, 6223' of 2" Aldyl-A, 1499' of 1-1/4" Aldyl-A	Pipeline Repl Program	Sacramento	Dixon	SOL2648C3 SOL2648C4						60	54	PSIG	7749' 1/2" HPPL		Replace 127 services	None
450	Pre-Construction	No	31012379		Plastic Replacement	Aldyl-A 1974-1974	3425' of 2" Aldyl-A	Pipeline Repl Program	Sacramento	Sacramento	2466I8 2466J8						50	44	PSIG	3425' 1/2" HPPL		Replace 24 services	None
451	Pre-Construction	No	31012442		Plastic Replacement	Aldyl-A 1982-1984	469' of 4" Aldyl-A, 500' of 2" Aldyl-A	Pipeline Repl Program	Sacramento	Davis	YOL2528J8 YOL2521J1						55	49	PSIG	4600' 1/6" HPPL 90' 1/4" HPPL 500' 1/2" HPPL		C/T/T 14 services Deactivate 4 services	None
452	Construction	No	31012443		Plastic Replacement	Aldyl-A 1979-1979	5307' of 2" Aldyl-A	Pipeline Repl Program	Sacramento	Woodland	YOL2459I5 YOL2459I6 YOL2459J5 YOL2459J6						50	44	PSIG	5331' 1/2" HPPL		Replace 135 services C/T/T 1 service	None
453	Pre-Construction	No	31012448		Plastic Replacement	Aldyl-A 1978-1978	3520' of 2" Aldyl-A, 950' of 1-1/4" Aldyl-A	Pipeline Repl Program	Sacramento	Sacramento	2587F4 2587F5						50	44	PSIG	3660' 1/2" HPPL		Replace 83 Services	None
454	Pre-Construction	No	31012449		Plastic Replacement	Aldyl-A 1978-1978	3470' of 2" Aldyl-A, 1000' of 1-1/4" Aldyl-A	Pipeline Repl Program	Sacramento	Sacramento	2587A7 2587B7						50	44	PSIG	4470' 1/2" HPPL		Replace 13 services C/T/T 2 services	None
455	Design	No	31012541		Plastic Replacement	Aldyl-A 1973-1973	1396' of 1-1/4" Aldyl-A, 3118' of 2" Aldyl-A	Pipeline Repl Program	Sacramento	Sacramento	2466H5						50	44	PSIG	5000' 8" PLHP		Replace or C/T/T 68 services	None
456	Pre-Construction	No	30946948		Plastic Replacement	Aldyl-A 1973-1981, Steel 1944-1946	1407' of 1-1/4" Aldyl-A, 2905' of 2" Aldyl-A, 150' of 2" Steel, 217' of 1" Aldyl-A	Pipeline Repl Program	Sierra	Auburn	2404-J4, J5, J6, J7						60	57	PSIG	INSTALL: 2489 FT - 2" PL, 808 FT - 4" PL, 172 FT - 2" STL		TRANSFER 5 SERVICES, RPLC 59 SERVICES.	NO EFFECT.
457	Construction	No	30962782	Plastic Replacement	Aldyl-A 1973-1985, Plastic 2004-2004, Steel 1973-1984	109' of 1" Plastic, 704' of 1" Aldyl-A, 76' of 2" Steel, 61' of 1-1/4" Steel, 1259' of 3" Aldyl-A	Pipeline Repl Program	Sierra	Marysville	2154-D7, E7						53 10.5	48 9	PSIG IN	INSTALL: 432 FT - 4" PL, 834 FT - 2" PL		RPLC 17 SERVICES.	CONVERT LP TP HP.	

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17r	17s			
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
458	Design	No	30927787	Redacted	Plastic Replacement	1961-1976	2675' of 2" Plastic	Pipeline Repl Program	North Bay	San Rafael	WALL 2985 PLAT A7, A8					57	51	PSIG	2675' of 2" PLHP		77	No significant changes	
459	Design	No	30949656		Plastic Replacement	Aldyl-A 1970-1976, Steel 1993-1993	4410' of 1-1/4" Aldyl-A, 360' of 2" Steel, 1820' of 2" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 2861 PLAT F7, F8						56	50	PSIG	5250' of 2" PLHP		93	No significant changes
460	Construction	No	30949657		Plastic Replacement	Aldyl-A 1974-1977, Steel 1955-1955	1644' of 4" Aldyl-A, 34' of 1-1/4" Aldyl-A, 29' of 2" Steel, 118' of 4" Steel, 60' of 2" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 2862 PLAT I1, I2						56	50	PSIG	Phase 1: 1100' of 4" PLHP Phase 2: 750' of 4" PLHP		Phase 1: 19 Phase 2:	No significant changes
461	Pre-Construction	No	30949659		Plastic Replacement	Aldyl-A 1970-1970	721' of 2" Aldyl-A, 67' of 1-1/4" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 2862 PLAT H2						56	50	PSIG	788' OF 2" PLHP		19	No significant changes
462	Pre-Construction	No	30949960		Plastic Replacement	Aldyl-A 1972-1973	1474' of 1-1/4" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 3042 PLAT E2, E3						57	51	PSIG	1583' of 2" PLHP		30	No significant changes
463	Construction	No	30949961		Plastic Replacement	Plastic 1971-1971, Steel 1971-1971	1312' of 2" Plastic, 40' of 2" Steel	Pipeline Repl Program	North Bay	San Rafael	WALL 2927 PLAT A3						56	50	PSIG	1352' of 2" PLHP		24	No significant changes
464	Design	No	30949965		Plastic Replacement	1974	2250' of 1-1/4" and 3" Plastic	Pipeline Repl Program	North Bay	San Rafael	WALL 2985 PLAT A6 WALL 2927 PLAT J6						57	51	PSIG	650' of 4" PLHP 1300' of 2" PLHP		30	No significant changes
465	Construction	No	30949967		Plastic Replacement	Aldyl-A 1972-1972, Steel 1942-1962	947' of 2" Aldyl-A, 842' of 1-1/4" Aldyl-A, 1234' of 3" Aldyl-A, 774' of 2" Steel	Pipeline Repl Program	North Bay	San Rafael	WALL 2927 PLAT J2						57	51	PSIG	1235' of 4" PLHP 2459' of 2" PLHP		55	No significant changes
466	Design	No	30949968		Plastic Replacement	1974	2200' of 4" Plastic	Pipeline Repl Program	North Bay	San Rafael	WALL 3042 PLAT B4, B5						57	51	PSIG	2200' of 4" PLHP		56	No significant changes
467	Design	No	30949970		Plastic Replacement	Aldyl-A 1970-1977, Plastic 1991-1991	30' of 1-1/4" Plastic, 1868' of 1-1/4" Aldyl-A, 1005' of 2" Aldyl-A, 293' of 4" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 2985 PLAT H3, I3, I2						57	51	PSIG	1364' of 4" PLHP 2241' of 2" PLHP		68	No significant changes
468	Design	No	30949972		Plastic Replacement	Aldyl-A 1974-1974	725' of 2" Aldyl-A	Pipeline Repl Program	North Bay	San Rafael	WALL 2984 PLAT B8						57	51	PSIG	725' of 2" PLHP		8	No significant changes
469	Construction	No	30949976		Plastic Replacement	1975	1150' of 1-1/4" Plastic	Pipeline Repl Program	North Bay	San Rafael	WALL 2985 PLAT I4						57	51	PSIG	1200' of 2" PLHP		22	No significant changes
470	Pre-Construction	No	30940232		Plastic Replacement	Aldyl-A 1972-1973	2066' of 2" Aldyl-A, 595' of 3" Aldyl-A, 755' of 1" Aldyl-A, 1292' of 1-1/4" Aldyl-A	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2635 PLAT A1						60	57	PSIG	4" PL 915 LF (Proposed) 2" PL 3155 LF (Proposed)		134 Services	No significant changes
471	Construction	No	30940444		Plastic Replacement	1972	4790' of 2" Plastic	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2634 PLAT E2						50	50	PSIG	6" PL 3869 LF (Proposed) 2" PL 1274 LF (Proposed)		84 Services	No significant changes
472	Pre-Construction	No	30940447		Plastic Replacement	Aldyl-A 1971-1971	3342' of 2" Aldyl-A	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2704 PLAT E3, WALL 2704 PLAT F3						60	47	PSIG	2" PL 3415 LF (Proposed)		26 Services	No significant changes
473	Construction	No	30940965		Plastic Replacement	Aldyl-A 1973-1973	1747' of 2" Aldyl-A, 675' of 1-1/4" Aldyl-A	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2568 PLAT J3, WALL 2635 PLAT A3						60	57	PSIG	2" PL 2422 LF (Proposed) 1-1/4" PL 675 LF (Proposed)		87 Services	No significant changes
474	Pre-Construction	No	30979822		Plastic Replacement	Aldyl-A 1972-1972	1687' of 3" Aldyl-A	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2634 PLAT B2, WALL 2634 PLAT B3						60	57	PSIG	4" PL 1687 LF (Proposed) 2" PL 130 LF (Proposed)		27 Services	No significant changes

**TABLE 17-1
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Line No:	13 Project Status	14 Federal or Commission Requirement or Advisory or Recommendation	Order Number	17a Project Name	17b Work Description	17b Work Description Deactivated Pipe Year Installed	17b Work Description Deactivated Pipeline Dimensions	17c Purpose	17g GIS Coordinates and Location (Division)	17g GIS Coordinates and Location (City)	17h Pipeline Map (Map and Plat) or Facility	17k Vintage of Pipeline Segment (Manufacturer Date)	17k Year Installed	17l Manufacturer of Pipe	17m Seamless (Y) or Non-seamless (N)	17n M AOP	17o Operating Pressure	17p Unit (See 17n and 17o)	17p Pipeline Dimensions Footage and Diameter	17p Pipe Dimension Wall Thickness	17r Effect on Service	17s Effect on Other Operations	
475	Construction	No	31028153	Redacted	New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Central Coast	King City	4218-D5					60	56	PSIG	1860' of 6" pl. 450' of 4" pl		No effect	No significant changes	
476	Documentation	No	30888745		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	De Anza	Cupertino	Wall 3472 Plat A6						60	57	PSIG	562 FT of 4" PL and 5 FT of 3" PL main		No effect	No significant changes
477	Complete	No	30990571		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	De Anza	Cupertino	Wall 3474 Plat E2	2012	2013	Driscoplex and Duraline	N/A	60	57	PSIG	2448 FT of 6" and 4 FT of 4" PL main	Refer to Attachment 17.2	No effect	No significant changes	
478	Documentation	No	30959901		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Diablo	Concord	WALL 0059 PLAT B14					60	56	PSIG	1450' OF 4" PLASTIC		No effect	APD MINIMUM PRESSURE INCREASED FROM 0 TO 21 PSIG. ELIMINATES WINTER OPERATIONS ON APD	
479	Construction	No	30960550		New Capacity Main Install / Enforcement	Steel 1934-1961	1071' of 3" Steel, 1025' of 1-1/4" Steel, 68' of 4" Steel,	Capacity	East Bay	Oakport	WALL 0005 PLAT F03, WALL 0005 PLAT F04					60	50	PSIG	1105' of 2"HPPL		46	Low pressure point increase from 4.9" W.C. to 46 PSIG	
480	Construction	No	30960551		New Capacity Main Install / Enforcement	Steel 1944-1944	1000' of 3" Steel, 2050' of 1-1/4" Steel	Capacity	East Bay	Oakport	WALL 0005 PLAT F03					Job not complete	50	PSIG	1230' of 2"HPPL		40	Low pressure point increase from 4.49" W.C. to 39.54 PSIG	
481	Design	No	30996892		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Kern	Bakersfield	5126, A5, A6, B5, B6					51	48	PSIG	1,600' of 8" PL (pending construction)		No effect	No effect	
482	Construction	No	31018790		New Capacity Main Install / Enforcement	Plastic 1983-1984	2275' of 2" Plastic	Capacity	Kern	Bakersfield	5026, G1, G2					51	48	PSIG	2,500' of 4" PL		No effect	No longer need for LNG injection	
483	Construction	No	30967840		New Capacity Main Install / Enforcement	Plastic 1970-1970	673' of 1-1/4" Plastic, 2011' of 2" Plastic	Capacity	Sonoma	Santa Rosa	WALL 2703 PLAT A6, WALL 2703 PLAT B6					50	47	PSIG	4" PL 2690 LF (Proposed)		7 Services	Helps increase pressure in system	
484	Design	No	31001821		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Peninsula	Foster City	3215-G4, H4, H5					50	46	PSIG	2,168' of 8" plastic		0	Low point increased 8 psig under APD conditions	
485	Design	No	31019253		New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Sierra	Rocklin	2283-H5, I5, 2345-A6, A7.					60	56	PSIG	INSTALL: 1575 FT - 8" PL, 1793 FT - 12" STL.		NO EFFECT.	NO EFFECT.	
486	Construction	No	31024144		New Capacity Main Install / Enforcement	None (Capacity Job)	None (Capacity Job)	Capacity	Yosemite	Modesto	Wall 3176 Plat E4,F4,F5					58	52	PSI	2668' 6" PL 3055' 4" PL		None	None	
487	Documentation	No	30958908		New Capacity Regulator Station	n/a	n/a	Capacity	Kern	Bakersfield	5026 I1					51	48	PSIG	0'		No effect	No longer need for LNG injection	
488	Design	No	30996890		New Capacity Regulator Station	n/a	n/a	Capacity	Kern	Bakersfield	5126 B6					51	48	PSIG	0' (see 30996892 for pipe install)		No effect	No effect	
489	Construction	No	30960071		New Capacity Regulator Station	n/a	n/a	Capacity	Humboldt	Arcata	WALL 784 PLAT F2					40	37	PSIG	4" PL 196 LF (Proposed)		0 Services	Eliminate Critical low press. Problems	
490	Design	No	31019579		New Capacity Regulator Station	Steel 1980-1993	133' of 6" Steel, 105' of 2" Steel	Capacity	Sierra	Rocklin	2102-A6, B6.					60 20	56 16	PSIG PSIG	INSTALL: 120 FT - 4" STL HP, 143 FT - 4" STL SHP, 5 FT - 6" STL HP, 5 FT - 2" STL HP, 5 FT - 2" PL HP.		RPLC 1 SERVICE, UPRATE 13 SERVICES.	UPRATE 2118 FT FROM 20 TO 60 PSIG.	

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
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Line No:	13	14	Order Number	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation		Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations	
491	Construction	No	30944550	Redacted	New Capacity Regulator Station	n/a	n/a	Capacity	Stockton	Stockton	WALL 2869 PLAT B8, A8					60	54	PSIG	2,600 of 4" Plastic		N/A	Increase capacity of main.	
492	Documentation	No	30920871		New Capacity Facility - Betterment	n/a	n/a	Capacity	North Bay	Napa	WALL 2571 G3, G4, H4, I5, I6, J6, J7						60	50	PSIG	1531' of 8" PLHP 63' of 6" PLHP 98' of 2" PLHP		94	Upgrade 5 systems from 30-45 to 60 MAOP
493	Pre-Construction	No	30969912		Reliability Main Replacement	Plastic 1989-1989, Steel 1969-1969	100' of 8" Steel, 32' of 4" Plastic	Reliability General	Central Coast	Santa Cruz	3675-C01						50	44	PSIG	1170' of 8" steel, 100' of 6" steel		No effect	No significant changes
494	Pre-Construction	No	30933852		Reliability Main Replacement	Steel 1930-1964	2839' of 3" Steel, 110' of 2" Steel, 37' of 1-1/4" Steel, 848' of 4" Steel	Reliability General	Humboldt	Eureka	WALL 849 PLAT G1, WALL 849 PLAT G2						50	44	PSIG	4" PL 1595 LF (Proposed) 2" PL 2327 LF (Proposed)		49 Services	No significant changes
495	Pre-Construction	No	30940156		Reliability Main Replacement	Plastic 1975-1986, Steel 1930-1972	690' of 1-1/4" Steel, 2672' of 3" Steel, 213' of 4" Steel, 150' of 1" Plastic	Reliability General	Humboldt	Eureka	WALL 849 PLAT G1, WALL 849 PLAT G2						50	44	PSIG	4" PL 342 LF (Proposed) 2" PL 2346 LF (Proposed)		n/a	n/a
496	Pre-Construction	No	30950905		Reliability Main Replacement	Steel 1962-1962	2000' of 2" Steel	Reliability General	Peninsula	South San Francisco	8-C2, C3						52	49	PSIG	1,659' of 2" plastic		6	No significant changes
497	Construction	No	30950906		Reliability Main Replacement	Steel 1928-1928	960' of 2" Steel	Reliability General	Peninsula	Emerald Lake Hills (unincorporated San Mateo County)	3278-H4						34	31	PSIG	960' of 2" plastic		14	No significant changes
498	Construction	No	30945048		Reliability Main Replacement	Steel 1931-1964	1503' of 4" Steel	Reliability General	San Francisco	San Francisco	3-E15D, 3-E16C, 3-F15B, 3-F16A						60	50	PSIG	805' - 2" PLHP 165' - 4" PLHP		20 replaced 4 transferred	LP to HP
499	Construction	No	30945052		Reliability Main Replacement	1928-1946	526' of 4" Steel	Reliability General	San Francisco	San Francisco	3-F14C, 3-F14D, 5-A14A, 5-A14B						60	50	PSIG	226' - 2" PLHP		16 replaced 2 transferred	LP to HP
500	Construction	No	30956933		Reliability Main Replacement	Steel 1961-1961	775' of 4" Steel	Reliability General	San Francisco	San Francisco	3-B14B						60	50	PSIG	775' - 2" PLHP		18 replaced	LP to HP
501	Documentation	No	30969574		Reliability Main Replacement	Steel 1945-1973	1431' of 6" Steel, 1226' of 4" Steel	Reliability General	San Francisco	San Francisco	3-C09D, 3-D09B, 3-C10C		As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	As-builts not available at the time of report	60 10.5"	50 10"	PSIG W.C.	1962' - 2" PLHP 33' - 4" PLLP 69' - 4" PLHP 263' - 6" PLHP 98' - 6" PLLP		See PM 30977599, line 346	See PM 30977599, line 346
502	Pre-Construction	No	30974098		Reliability Main Replacement	1964	500' of 4" Steel	Reliability General	San Francisco	San Francisco	5A14C, 5A14D, 5B14A, 5B14B		See PM 30977840, line 83	See PM 30977840, line 83	See PM 30977840, line 83	See PM 30977840, line 83	See PM 30977840, line 83	See PM 30977840, line 83	See PM 30977840, line 83	See PM 30977840, line 83		See PM 30977840, line 83	See PM 30977840, line 83
503	Construction	No	30976248		Reliability Main Replacement	Steel 1927-1940	1000' of 4" Steel	Reliability General	San Francisco	San Francisco	3-E13B, 3-E14A						10.5"	10"	W.C.	562' - 4" PLLP		31 replaced 2 transferred	No significant changes
504	Construction	No	30826328		Reliability Main Replacement	1951-1980	25' of 2" Steel, 25' of 3" Steel, 25' of 4" Steel	Reliability General	San Jose	Edenvale	3606-J4, blocks 43 and 6						55	52	psig	252' of 2" PL		n/a	n/a
505	Construction	No	30953830		Reliability Main Replacement	Plastic 1972-1981, Steel 1923-1979, Wrought Iron 1924-1924	1315' of 3" Steel, 1672' of 4" Steel, 340' of 3" Wrought Iron, 383' of 4" Steel, 661' of 1" Plastic, 2420' of 1-1/4" Steel	Reliability General	Sierra	Marysville	2154-D7, E7.						53 10.5	48 9	PSIG IN	INSTALL: 1125 FT - 4" PL HP, 3712 FT PL HP.		CTT 1 SERVICE, RPLC 58 SERVICES.	CONVERT 5737 FT FROM LP TO HP.
506	Pre-Construction	No	30956179		Reliability Main Replacement	Steel 1925-1971, Wrought Iron 1920-1961	1953' of 3" Wrought Iron, 288' of 2" Steel, 1636' of 3" Steel, 1263' of 4" Steel, 480' of 4" Wrought Iron.	Reliability General	Sierra	Marysville	2154-D7.						53 10.5	48 9	PSIG IN	INSTALL: 3359 FT - 2" PL HP, 1464 FT - 2" PL HP, 175 FT - 2" PL LP, 75 FT - 2" PL LP.		CTT 71 SERVICES.	CONVERT APPROX 4823 FT LP TO HP.
507	Pre-Construction	No	30790054		Reliability Main Replacement	Plastic 1996-2003, Steel 1932-1961	1644' of 2" Steel, 158' of 2" Plastic, 1063' of 3" Steel, 52' of 3" Plastic.	Reliability General	Stockton	Stockton	WALL 3113 PLAT H7, H8						28	25	PSIG	447' of 2" Plastic 2,509' of 4" Plastic		Replace 69 Svcs Transfer 7 Svcs	Project not installed yet.
508	Pre-Construction	No	30948872	Reliability Main Replacement	Steel 1947-1991	912' of 4" Steel, 38' of 2" Steel	Reliability General	Yosemite	Modesto	Wall 3177 Plat H2						60	54	PSIG	808' 4" PL		None	None	
509	Pre-Construction	No	30951781	Reliability Main Replacement	Plastic 1941-1981, Steel 1941-1965	263' of 4" Plastic, 1096' of 4" Steel, 820' of 3" Plastic	Reliability General	Yosemite	Modesto	Wall 3235 Plat A5 & B5						10.5" 60 PSI	8.5" 54 PSI	Inches of WC PSI	1135' of 2" PL		None	None	

**TABLE 17-1
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Line No:	13	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s		
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
510	Design	No	30955091	Redacted	Reliability Regulator Station Replacement	Steel 1936-1936	80' of 12" Steel	Reliability General	Peninsula	Daly City	5-C10, C11				50	46	PSIG	46' of 6" steel 12' of 2" plastic		0	No significant changes	
511	Pre-Construction	No	30927671		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	East Bay	Oakport	WALL 0009 PLAT A10					Job not complete	50 9.0	PSIG " W.C.	42' of 2"HPSTL 25' of 4"LPSTL		1 customer will be CNG'd	None
512	Construction	No	30921136		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Central Coast	King City	4218-F1					40	35	PSIG	70' of 2" steel		No effect	No significant changes
513	Design	No	30949548		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Diablo	Concord	WALL 0046 PLAT A14					60	56	PSIG	N/A		No effect	Replaces Grove Regulators with Mooney Regulators
514	Pre-Construction	No	30954284		Reliability Regulator Station Replacement	Steel 1939-1939	67' of 2" Steel	Reliability General	East Bay	Richmond	WALL 0003 PLAT F02, WALL 0003 PLAT F04					Job not complete	50 13	PSIG	60' of 4"HPSTL 55' of 4"SHPTL		0	None
515	Construction	No	31017628		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Fresno	Fresno						60	54	PSIG			None	None
516	Pre-Construction	No	30914792		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Mission	Hayward	WALL 0019 PLAT C05					58	50	PSIG	125 Ft 1 in Diameter PL 5 Ft 2 in Diameter PL 15 Ft 1/2 in Diameter STL 226 Ft 3/4 in Diameter STL 12 Ft 2 in Diameter STL 15 Ft 4 in Diameter STL 302 Ft 6 in Diameter STL		No effect	No significant changes
517	Design	No	31016027		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Mission	Hayward	WALL 0026 PLAT B01 & B02					50	44	PSIG	135 Ft 6 in. Diameter STL		No effect	Required for L-131 Deactivation project. Low of 0 PSIG increased to 13 PSIG.
518	Design	No	31016037		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Mission	Hayward	WALL 0020 PLAT E14 & E15					50	44	PSIG	450 Ft 4 in. Diameter STL 85 Ft 6 in. Diameter STL		No effect	Required for L-131 Deactivation project. Low of 5 PSIG increased to 19 PSIG.
519	Pre-Construction	No	30880839		Reliability Regulator Station Replacement	Steel 1956-1956	54' of 4" Steel	Reliability General	North Bay	San Rafael	WALL 2927 PLAT D4					57	51	PSIG	75' of 4" PLHP		0	No significant changes
520	Pre-Construction	No	30880923		Reliability Regulator Station Replacement	Steel 1967-1967	450' of 4" Steel	Reliability General	North Bay	Vallejo	WALL 2842 PLAT I8					25	21	PSIG	30' of 4" TP STL 200' of 4" PLHP		0	No significant changes
521	Design	No	30881228		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Bay	San Rafael	WALL 2985 PLAT I6					57	51	PSIG	30' of 8" TP SII 50' of 8" SII Pipe		0	No significant changes
522	Pre-Construction	No	30962885		Reliability Regulator Station Replacement	Plastic 2001-2001, Steel 1955-1955	141' of 4" Steel, 79' of 2" Plastic	Reliability General	Sierra	Rocklin	2405-C5, C6.					60	56	PSIG	INSTALL: 107 FT - 4" STL, BG DISTRICT REG STATION.		NO EFFECT.	NO EFFECT.
523	Design	No	30871195		Reliability Regulator Station Replacement	n/a	n/a	Reliability General	San Jose	Cinnabar											n/a	n/a
524	Pre-Construction	No	30937735	Reliability Regulator Station Replacement	Steel 2003-2003	61' of 2" Steel	Reliability General	San Jose	San Jose											n/a	n/a	

**TABLE 17-1
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Line No:	13 Project Status	14 Federal or Commission Requirement or Advisory or Recommendation	Order Number	17a Project Name	17b Work Description	17b Work Description Deactivated Pipe Year Installed	17b Work Description Deactivated Pipeline Dimensions	17c Purpose	17g GIS Coordinates and Location (Division)	17g GIS Coordinates and Location (City)	17h Pipeline Map (Map and Plat) or Facility	17k Vintage of Pipeline Segment (Manufacturer Date)	17k Year Installed	17l Manufacturer of Pipe	17m Seamless (Y) or Non-seamless (N)	17n M AOP	17o Operating Pressure	17p Unit (See 17n and 17o)	17p Pipeline Dimensions Footage and Diameter	17p Pipe Dimension Wall Thickness	17r Effect on Service	17s Effect on Other Operations
525	Construction	No	30969552	Redacted	Reliability Cathodic Protection Systems	n/a	n/a	Reliability General	Kern	Bakersfield	5028-C3, 5028-A5, 5027-G3, 4930-J4, 5027-J5, 5220-H5, 5028-B5, 5028-A8, 4930-I3, 4929-G8, 5027-E7, 5026-H8, 5026-H8					51	48	PSIG	0'		No effect	No effect
526	Pre-Construction	No	30976020		Reliability - Deactivate Gas Main	Plastic 1996-1996, Steel 1948-1971	272' of 2" Plastic, 397' of 2" Steel	Reliability General	Fresno	Fresno	WALL 3866 PLAT H7, G7, & F8					60	54	PSIG	8' of 2" ST		None	None
527	Construction	No	30976360		Reliability - Deactivate Reg Station	n/a	n/a	Reliability General	Fresno	Fresno	WALL 3867 PLAT E1, E2, E3, E4, E5, F6, & F7 WALL 3868 PLAT E1, F1, & F2					60	54	PSIG	121' of 2" ST 20' of 2" PL		None	None
528	Design	No	30977207		Reliability - Deactivate Reg Station	n/a	n/a	Reliability General	Fresno	Fresno	WALL 3801 PLAT F8, G8, H8, I8, & J8 WALL 3866 PLAT A8, B8, C8, D8 & E8					60	54	PSIG	47' of 2" ST 46' of 2" PL 15' of 4" PL		None	None
529	Construction	No	30954282		Reliability - Deactivate Gas Main	Steel 1958-1976	110' of 16" Steel, 50' of 6" Steel, 140' of 12" Steel	Reliability General	East Bay	Oakland	WALL 0007 PLAT C14					Job not complete	32 15	PSIG	180' of 6"HPSTL		0	None
530	Documentation	No	30800067		Reliability Overbuilds	Steel 1965-1968	1351' of 2" Steel	Reliability General	North Bay	Napa	WALL 2639, 2640 I8, I1, H1					60	50	PSIG	1300' of 2" PLHP		15	No significant changes
531	Design	No	30847509		Reliability Overbuilds	Steel 1971-1971	1344' of 2" Steel, 1267' of 1-1/4" Steel	Reliability General	Yosemite	Merced	Wall 3434 Plat F8					60	54	PSIG	1993' 2" PL 408' 1 1/4" PL		None	None
532	Documentation	No	31021780		Reliability - Emergent Leaking Main Replacement	1931-1999	700' of 6" Steel	Reliability General	San Jose	Cinnabar											n/a	n/a
533	Documentation	No	31013655		Reliability - Emergent Leaking Main Replacement	Steel 1930	275' 3/4" Steel	Reliability General	Yosemite	Madera	Wall 3771 Plat G8					60	54	PSIG	275' 2" Steel		None	None
534	Construction	No	31006345		Reliability - Emergent Leaking Main Replacement	Steel 1931-1964	1244' of 2" Steel	Reliability General	North Bay	San Rafael	WALL 2710 PLAT I7					54	48	PSIG	952' of 2" PLHP		18	No significant changes
535	Documentation	No	31016660		Reliability - Emergent Leaking Main Replacement	Plastic 1987-1987, Steel 1950-1950	25' of 2" Plastic, 1116' of 2" Steel	Reliability General	North Bay	Napa	WALL 2710 PLAT G8					60	50	PSIG	600' of 4" PLHP		4	No significant changes
536	Construction	No	31018708		Reliability - Emergent Leaking Main Replacement	Aldyl-A 1975-1975	228' of 1-1/4" Aldyl-A	Reliability General	North Bay	San Rafael	WALL 2926 PLAT I6					57	51	PSIG	242' of 2" PLHP		6	No significant changes
537	Documentation	No	31024050		Reliability - Emergent Leaking Main Replacement	Information Not Available at Time of Report	Information Not Available at Time of Report	Reliability General	Diablo	Antioch	WALL 0058 PLAT B16					60	56	PSIG	400' OF 4" PLASTIC		No effect	No Significant changes
538	Pre-Construction	No	30891358		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Central Coast	Santa Cruz	3678-105					60*	40*	PSIG	1240' of 4" pl, 60' of 2" pl, 60' of 1-1/4" pl		No effect	No significant changes
539	Pre-Construction	No	30891400		Cust HPR Reg Sta Conv Dist Main	Steel 73-73	60' of 2" Steel	Repl/Convert Cust HPR	Central Coast	Santa Cruz	3678-105					60*	40*	PSIG	1170 2" pl, 60' 1-1/4" pl, 450' 1" pl, 180' of 3/4" steel		No effect	No significant changes
540	Pre-Construction	No	30957801		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Central Coast	Santa Cruz	3598-G08 + Various					60*	40*	PSIG	3600' of 2" plastic, 400' of 1" pl, 1110' of 1/2" pl, 90' of 3/4" steel		No effect	No significant changes
541	Pre-Construction	No	30961768	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Central Coast	Salinas	3900-D07 + Various					60*	40*	PSIG	370' of 2" pl, 802' of 3/4" steel,		No effect	No significant changes	

**TABLE 17-1
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Line No:	13 Project Status	14 Federal or Commission Requirement or Advisory or Recommendation	Order Number	17a Project Name	17b Work Description	17b Work Description Deactivated Pipe Year Installed	17b Work Description Deactivated Pipeline Dimensions	17c Purpose	17g GIS Coordinates and Location (Division)	17g GIS Coordinates and Location (City)	17h Pipeline Map (Map and Plat) or Facility	17k Vintage of Pipeline Segment (Manufacturer Date)	17k Year Installed	17l Manufacturer of Pipe	17m Seamless (Y) or Non-seamless (N)	17n M AOP	17o Operating Pressure	17p Unit (See 17n and 17o)	17p Pipeline Dimensions Footage and Diameter	17p Pipe Dimension Wall Thickness	17r Effect on Service	17s Effect on Other Operations
542	Pre-Construction	No	30961770	Redacted	Cust HPR Reg Sta Conv Dist Main	Steel 1962-1962	210' of 1-1/4" Steel	Repl/Convert Cust HPR	Central Coast	King City	4092-I2 + Various					60*	40*	PSIG	500' of 3/4" steel		No effect	No significant changes
543	Pre-Construction	No	30962388		Cust HPR Reg Sta Conv Dist Main	Steel 1980-1980	100' of 1-1/4" Steel	Repl/Convert Cust HPR	Central Coast	Santa Cruz	3678-J05 + Various					60*	40*	PSIG	800' of 2" pl., 1100' of 1" pl, 45' of 3/4 steel		No effect	No significant changes
544	Pre-Construction	No	30962392		Cust HPR Reg Sta Conv Dist Main	Steel 1963-1963	130' of 2" Steel	Repl/Convert Cust HPR	Central Coast	Santa Cruz	3678-G05					30	22	PSIG	1500' of 2" pl, 1300' of 1" pl		No effect	No significant changes
545	Pre-Construction	No	30963149		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Central Coast	Salinas	3779-F06 + Various					60*	40*	PSIG	1350' of 4" pl, 585' of 1" pl, 830' of 3/4" steel		No effect	No significant changes
546	Construction	No	30949549		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Diablo	Concord	WALL 0050 PLAT E7/F7					60	56	PSIG	1350' OF 4" PLASTIC		No effect	Removes HPRs. Ties customers in with distribution system.
547	Documentation	No	30962400		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Diablo	Concord	WALL 0044 PLAT B8					50	35	PSIG	20' OF 4" STEEL		No effect	Removes HPRs. Ties customers in with distribution system.
548	Pre-Construction	No	30932792		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	East Bay	Oakport	WALL 0009 PLAT D13, WALL 0009 PLAT D14					Job not complete	50	PSIG	376' of 3"HPSTL		1	Remove 1 HPR and transfer to distribution pressure
549	Pre-Construction	No	30954002		Cust HPR Reg Sta Conv Dist Main	Steel 1969-1972	200' of 2" Steel, 45' of 4" Steel	Repl/Convert Cust HPR	East Bay	Oakport	WALL 0007 PLAT E07, WALL 0007 PLAT F07					Job not complete	50	PSIG	270' of 2"HPSTL 1450' of 4"HPPL 226' of 2"HPPL		22	Remove 22 HPR's and transfer to distribution pressure
550	Design	No	30963116		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	East Bay	Oakport	WALL 0009 PLAT B13					Job not complete	50	PSIG	2000' of 4"HPPL		6	Remove 6 HPR's and transfer to distribution pressure
551	Design	No	30963180		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	East Bay	Oakport	WALL 0007 PLAT E06					Job not complete	50	PSIG	1100' of 2"HPPL		6	Remove 6 HPR's and transfer to distribution pressure
552	Pre-Construction	No	30971810		Cust HPR Reg Sta Conv Dist Main	Steel 1951-1965	50' of 1-1/4" Steel, 91' of 2" Steel	Repl/Convert Cust HPR	East Bay	Richmond	WALL 0002 PLAT C09, WALL 0002 PLAT D09					Job not complete	50	PSIG	3310' of 4"HPPL		10	Remove 10 HPR's and transfer to distribution pressure
553	Construction	No	30976021		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Fresno	Fresno	WALL 3866 PLAT F8, G7, I5, & J5 WALL 3926 PLAT E7 WALL 3926 PLAT B3					60	54	PSIG	0'		None	None
554	Pre-Construction	No	30976361		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Fresno	Fresno	WALL 3867 PLAT F8 WALL 3868 PLAT F1, F2 & F3					60	54	PSIG	50' of 2" PL 30' of 4" PL		None	None
555	Pre-Construction	No	30977206		Cust HPR Reg Sta Conv Dist Main	Steel 1931-1978	398' of 1-1/4" Steel	Repl/Convert Cust HPR	Fresno	Fresno	WALL 3868 PLAT E3 WALL 3867 PLAT E1, E3, E4, E5, E7 & E8					60	54	PSIG	0'		None	None
556	Construction	No	30962422		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Mission	Hayward	WALL 0019 PLAT C07					58	50	PSIG	1350 Ft 4 in. Diameter PL		No effect	No significant changes
557	Pre-Construction	No	30965904	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Mission	Hayward	WALL 0023 PLAT C04					55	52	PSIG	1000 Ft 2in. Diameter PL		No effect	No significant changes	
558	Pre-Construction	No	30966270	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Mission	Hayward	WALL 0023 PLAT C05					55	52	PSIG	20 Ft 2 in. Diameter PL 950 FT 4 in. Diameter PL		No effect	No significant changes	

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13 Project Status	14 Federal or Commission Requirement or Advisory or Recommendation	Order Number	17a Project Name	17b Work Description	17b Work Description Deactivated Pipe Year Installed	17b Work Description Deactivated Pipeline Dimensions	17c Purpose	17g GIS Coordinates and Location (Division)	17g GIS Coordinates and Location (City)	17h Pipeline Map (Map and Plat) or Facility	17k Vintage of Pipeline Segment (Manufacturer Date)	17k Year Installed	17l Manufacturer of Pipe	17m Seamless (Y) or Non-seamless (N)	17n M AOP	17o Operating Pressure	Unit (See 17n and 17o)	17p Pipeline Dimensions Footage and Diameter	17p Pipe Dimension Wall Thickness	17r Effect on Service	17s Effect on Other Operations	
559	Pre-Construction	No	30890126	Redacted	Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	North Valley	Chico	WALL 1909 PLAT E2					Trans: 235 Dist: 60 & 55	Trans: 225 Dist: 50 & 49	PSIG	650' of 4" PL		Replace 6 services	Remove 4 HPRs	
560	Pre-Construction	No	30902496		Cust HPR Reg Sta Conv Dist Main	Plastic 1984-1984	116' of 2" Plastic	Repl/Convert Cust HPR	North Valley	Chico	WALL 1782 PLAT E7/E8 WALL 1783 PLAT E1F2/G3/H6/I6/I7					Trans: 720 Dist: 60	Trans: 400 Dist: 35-50	PSIG	1950' of 2" PL		Replace 11 services	Eliminate 5 HPRs. Rebuild 1 DR HPR. Rebuild 3 HPRs	
561	Pre-Construction	No	30904009		Cust HPR Reg Sta Conv Dist Main	Plastic 1979-1979	558' of 2" Plastic	Repl/Convert Cust HPR	North Valley	Chico	WALL 1718 PLAT I7U7					Trans: 720 Dist: 60	Trans: 400 Dist: 40	PSIG	1590' of 2" PL		Replace 13 services	Eliminate 2 DR HPRs. Rebuild 1 DR HPR. Eliminate 4 HPRs	
562	Construction	No	30962859		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	North Valley	Chico	WALL 1783 PLAT E1F1					Trans: 720 Dist: 60	Trans: 385 Dist: 50	PSIG	1500' of 2" PL		Replace 6 services	Eliminate 4 HPRs and 2 DR HPRs	
563	Pre-Construction	No	30962678		Cust HPR Reg Sta Conv Dist Main	Plastic 1999-1999, Steel 1963-1963	33' of 1-1/4" Plastic, 380' of 1-1/4" Steel	Repl/Convert Cust HPR	Peninsula	Hillsborough	3213-H6, H7					Transmission - 400 Distribution - 34	Transmission - 290 Distribution - 31	PSIG	85' of 3/4" steel		3	No significant changes	
564	Design	No	30962760		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Peninsula	Menlo Park	3347-C4, D4					40	36	PSIG	1,450' of 4" plastic		3	DRS C-26 will be demoed. 3 distribution systems will be merged as one. 2 HPRs will be removed	
565	Pre-Construction	No	30881614		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Fairfield	SOL2779A1 SOL2716/1					50	44	PSIG	1300'/6" HPPL		Replace 4 services C/T/T 1 service Deactivate 2 services	Abandon 5 HPR's	
566	Pre-Construction	No	30961494		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Sacramento	2587H3					50	44	PSIG	110'/4" HPPL 50'/2" HPPL		Replace 3 services	Abandon 3 HPR's	
567	Pre-Construction	No	30961784		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Winters	YOL2579B7					55	49	PSIG	100'/2" HPPL 957'/HPPL		Replace 3 services	Abandon 3 HPR's	
568	Design	No	30954804		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	San Jose	Cinnabar											n/a	n/a	
569	Pre-Construction	No	30954978		Cust HPR Reg Sta Conv Dist Main	Plastic 2004-2004, Steel 1957-1957	262' of 1-1/4" Steel, 300' of 1" Plastic	Repl/Convert Cust HPR	San Jose	Cinnabar												n/a	n/a
570	Construction	No	30985286		Cust HPR Reg Sta Conv Dist Main	Plastic 2008-2008, Steel 1981-1981	200' of 1" Plastic, 30' of 1-1/4" Steel	Repl/Convert Cust HPR	Sierra	Rocklin	2466-A8, B8, 2403-J8, I8, 2404-E1.					60 50	57 47	PSIG PSIG	INSTALL: 759 FT - 2" PL HP, 2000 FT - 1" PL SERVICE, 22 FT - 2" STL HP.		RPLC 6 SERVICES.	UPRATE FROM 35 PSIG TO 60 PSIG.	
571	Design	No	30985291		Cust HPR Reg Sta Conv Dist Main	Steel 1962-1962	98' of 2" Steel	Repl/Convert Cust HPR	Sierra	Marysville	2093-D6, C6, B7, A7.					60	56	PSIG	INSTALL: 3154 FT - 2" PL, 2315 FT - 4" PL, 245 FT - 2" STL.		RPLC/TRANSFER 52 SERVICES	NO EFFECT.	
572	Design	No	30985295		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sierra	Marysville	2214-C2, D2, E2, E3, F2, G1, G2, H2, I2.					VARIES	VARIES	PSIG	INSTALL: 2560 FT - 2" PL.		RPLC/TRANSFER 29 SERVICES	NO EFFECT.	
573	Design	No	30986321		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sierra	Auburn	2344-H4, E7, E8, 2345-D2, D3.					50 60	41 45	PSIG	INSTALL: 627 FT - 2" PL, 485 FT - 4" PL, ABANDON REG, RELOCATE REG.		RPLC 5 SERVICES.	NO EFFECT.	
574	Design	No	30948273		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Sonoma	Santa Rosa	WALL 2504 PLAT F3					60	XX	PSIG	4" PL 1200 LF (Proposed)		7 Services	No significant changes	
575	Design	No	30956862	Cust HPR Reg Sta Conv Dist Main	Steel 1949-1949	326' of 1-1/4" Steel	Repl/Convert Cust HPR	Sonoma	Santa Rosa	WALL 2504 PLAT G3					50	40	PSIG	4" PL 1420 LF (Proposed)		9 Services	No significant changes		

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13	14	14	17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o	17p	17p	17r	17s	
	Project Status	Federal or Commission Requirement or Advisory or Recommendation	Order Number	Project Name	Work Description	Work Description Deactivated Pipe Year Installed	Work Description Deactivated Pipeline Dimensions	Purpose	GIS Coordinates and Location (Division)	GIS Coordinates and Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless (Y) or Non-seamless (N)	M AOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
576	Complete	No	30840277	Redacted	Cust HPR Reg Sta Conv Dist Main	Plastic 1979-1979, Steel 1952-2006	100' of 4" Steel, 62' of 1-1/4" Steel, 183' of 2" Steel, 739' of 3" Steel, 160' of 2" Plastic	Repl/Convert Cust HPR	Stockton	Victor	WALL 2808 I3,4 H3-7	12/18/2010, 04/27/2011; 08/23/2011; 01/07/2011	2011	Driscoplex	N/A	60	55	PSIG	5' of 1" Plastic 652' of 2" Plastic 548' of 4" Plastic 64' of 2" Steel 198' of 3" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	Insert 49 Svcs Transfer 42 Svcs Replace 9 Svcs	Convert HPRs to distribution.
577	Pre-Construction	No	30847264		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Stockton	Stockton	WALL 2872 PLAT A1					60	55	PSIG	1,480' of 2" Plastic		Replace 3 Svcs	Project not installed yet
578	Pre-Construction	No	30847267		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Stockton	Stockton	WALL 2875 PLAT B7					60	55	PSIG	5,658' of 4" Plastic		Replace 14 Svcs	Project not installed yet
579	Documentation	No	30852093		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Newman	Wall 3489 Plat D2					60	54	PSIG	2557' 4" PL		HPR Removal - Transfer to main	None
580	Documentation	No	30852339		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Modesto	Wall 3237 Plat G8					60	54	PSIG	440' 2" PL		HPR Removal - Transfer to main	None
581	Pre-Construction	No	30852365		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Turlock	Wall 3367 Plat B3,B4					60	54	PSIG	3382' 2" PL		HPR Removal - Transfer to main	None
582	Pre-Construction	No	30854384		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Turlock	Wall 3369 Plat E4					60	54	PSIG	2760' 2" PL		HPR Removal - Transfer to main	None
583	Pre-Construction	No	30854385		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Newman	Wall 3488 Plat D2					60	30	PSIG	None (HPR Rebuilds with slam-shuts)		None	None
584	Construction	No	30854395		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Turlock	Wall 3367 Plat B4,B5,B6					60	54	PSIG	5254' 2" PL		HPR Removal - Transfer to main	None
585	Pre-Construction	No	30854396		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Turlock	Wall 3367 Plat B2					60	54	PSIG	1070' 2" PL		HPR Removal - Transfer to main	None
586	Pre-Construction	No	30854511		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Yosemite	Turlock	Wall 3369 Plat E2					60	54	PSIG	2936' 4" PL		HPR Removal - Transfer to main	None
587	Construction	No	30943606		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR	Peninsula	Atherton	3347-C2					60	40	PSIG	800' of 4" plastic		9	New main installed to remove 7 HPRs
588	Design	ALJ-274	31017685		Cust HPR Reg Sta Conv Dist Reg	Steel 1964-1976	2235' of 1-1/4" Steel, 381' of 2" Steel	Repl/Convert Cust HPR	North Valley	Willows	WALL 1888 PLAT C4/C5 WALL 1836 PLAT D4/D5 WALL 1836 PLAT C4/C5 WALL 1775 PLAT H4/H5					Trans: 911 Dist: 60	Trans: 800 Dist: 40	PSIG	Cutoff 2 HPR's Rebuild 3 HPR's		5 services	Cutoff 2 HPR's Rebuild 3 HPR's
589	Design	No	30955596		Cust HPR Reg Sta Conv Dist Reg	n/a	n/a	Repl/Convert Cust HPR	Sonoma	Santa Rosa	WALL 2771 PLAT F5					60	50	PSIG	2" PL 750 LF (Proposed)		6 Services	No significant changes
590	Pre-Construction	No	30981110		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Central Coast	Salinas	3959-B04					60*	40*	PSIG	770' of 1" pl, 182' of 3/4" steel		No effect	No significant changes
591	Pre-Construction	No	30995368		Cust HPR Reg Sta Replace	Plastic 1974-1974	1121' of 1" Plastic	Repl/Convert Cust HPR	Humboldt	Eureka	WALL 1059 PLAT C4					819	819	PSIG	3/4" STL 82 LF (Proposed)		2 Service	No significant changes
592	Design	ALJ-274	31000168		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	North Valley	Red Bluff	WALL 1428 PLAT I4/I6					Trans: 960 Dist: 60	Trans: 800 Dist: 40	PSIG	500' of 2" PL		4 services	Rebuild 2 HPRs, Rebuild 1 DR HPR, Eliminate 1 HPR
593	Design	No	30986342		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Peninsula	Half Moon Bay	3276-F3, F4					Transmission - 400 Distribution - 60	Transmission - 400 Distribution - 30	PSIG	260' of 3/4" steel 10' of 2" steel		4	4 HPRs will be rebuilt
594	Documentation	No	30961672	Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Dixon	SOL2648D8 SOL2648E8 SOL2648F8 SOL2648H8 SOL2648I8					60	54	PSIG	N/A		Replace 8 services	None	

**TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS
(CONTINUED)**

Line No:	13 Project Status	14 Federal or Commission Requirement or Advisory or Recommendation	Order Number	17a Project Name	17b Work Description	17b Work Description Deactivated Pipe Year Installed	17b Work Description Deactivated Pipeline Dimensions	17c Purpose	17g GIS Coordinates and Location (Division)	17g GIS Coordinates and Location (City)	17h Pipeline Map (Map and Plat) or Facility	17k Vintage of Pipeline Segment (Manufacturer Date)	17k Year Installed	17l Manufacturer of Pipe	17m Seamless (Y) or Non-seamless (N)	17n MAOP	17o Operating Pressure	Unit (See 17n and 17o)	17p Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	17r Effect on Service	17s Effect on Other Operations	
595	Construction	No	30961782	Redacted	Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Sacramento	2589A1 2528J1					60	44	PSIG	900'/2" HPPL		Replace 5 services	Abandon 4 HPR's	
596	Pre-Construction	No	30961785		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sacramento	Sacramento	2526F4						50	44	PSIG	675'/2" HPPL		Replace 3 services	Abandon 1 HPR
597	Design	No	30958808		Cust HPR Reg Sta Replace	n/a	n/a	Repl/Convert Cust HPR	Sonoma	Santa Rosa	WALL 2632 PLAT F4						50	40	PSIG	4" PL 850 LF (Proposed)		9 Services	No significant changes
598	Documentation	No	30948485		SCADA Installation	n/a	n/a	Install SCADA Device	San Francisco	San Francisco	3-F14B						60 10.5"	50 10"	PSIG W.C	n/a		n/a	n/a
599	Construction	No	30948487		SCADA Installation	n/a	n/a	Install SCADA Device	San Francisco	San Francisco	3-D14						60 10.5"	50 10"	PSIG W.C	n/a		n/a	n/a
600	Documentation	No	30903300		Plastic Replacement	Aldyl-A 1975-1975	3400' of 4" Aldyl-A	3400' of 4" Aldyl-A	Pipeline Repl Program	Peninsula	San Bruno	07-D15, E14, E15	4/26/12, 4/27/12, 10/4/12, 10/8/12, 10/9/12	2013	DRISCOPEX	N/A	50	46	PSIG	3,225' of 6" plastic 210' of 4" plastic		1	No significant changes
601	Complete	No	30970947		Reliability Main Replacement	Aldyl-A 1981-1981	844' of 2" Aldyl-A	844' of 2" Aldyl-A	Reliability General	Peninsula	San Bruno	7-E14	9/13/12, 7/08/13	2013	DRISCOPEX	N/A	50	46	psig	772' of 2" plastic pipe	Refer to Attachment 17.2	19	No significant changes

**TABLE 17-2
PACIFIC GAS AND ELECTRIC COMPANY
PLASTIC PIPE HISTORY**

Manufacturers and Brands				
Manufacturer/Brand	From	To	PE Grade	Notes
DuPont Aldyl A	1965	1990	PE2306/2406	
Nipak	1972	1985	PE2306/2406	Went out of business in 1985
Phillips Driscopipe	1972	2000	PE2306/2406 PE3408 (1/4" only)	Merged with Plexco in 2000 to form Performance Pipe
Plexco	1986	2000	PE2306/2406	Merged with Driscopipe in 2000 to form Performance Pipe
CSR/PolyPipe	1991	present	PE2406/2708	Purchased by CSR in 1995, kept PolyPipe name
Uponor	1992	2004	PE2406	Purchased by US Poly
Performance Pipe Driscoplex	2000	present	PE2406/2708 PE4710 (1/4" only)	
US Poly UAC 2000	2004	present	PE2406/2708	Now owned by JM Eagle
KWH Wehogas	2006	present	PE2406/2708	

Note: dates based on best available information and may be approximate.



PLASTIC PIPE DIMENSIONS

Dimensions and Tolerances					
Nominal Size (inches)	SDR	Outside Diameter (inches)	Outside Diameter Tolerance (inches)	Minimum Wall Thickness (inches)	Wall Thickness Tolerance (inches)
¼ CTS	6	0.375	±0.004	0.062	+0.006
½ CTS	7	0.625	±0.004	0.090	+0.009
1 CTS	11.5	1.125	±0.005	0.099	+0.012
1-1/4 IPS	10	1.660	±0.005	0.166	+0.020
2 IPS	11	2.375	±0.006	0.216	+0.026
3 IPS	11.5	3.500	±0.008	0.304	+0.036
4 IPS	13.5	4.500	±0.009	0.333	+0.040
4 IPS ¹	11.5	4.500	±0.009	0.391	+0.047
6 IPS	13.5	6.625	±0.011	0.491	+0.059
6 IPS ¹	11.5	6.625	±0.011	0.576	+0.069
8 IPS	13.5	8.625	±0.013	0.639	+0.077

¹ 4" IPS and 6" IPS purchased by PG&E was SDR 11.5 until 1996, at which point a switch was made to SDR 13.5 (per Gas Bulletin 90.) Given a three-year storage life, SDR 11.5 pipe could have been used through 1999.

**TABLE 17-3
PACIFIC GAS AND ELECTRIC COMPANY
STEEL PIPE DIMENSIONS**

STEEL PIPE DIMENSIONS A: Pipe, Mains, and Services Prepared by: ██████████

	CODE NUMBERS FOR STEEL PIPE	A-15
Asset Type: Gas Transmission and Distribution	Function: Design	
Issued by: ██████████  Original Signed By	Date: 04-25-12	
Rev. #07: This document replaces Revision #06. For a description of the changes, see Page 2.		

This document also appears in the following manual:

- Gas Applicant Design Manual

Purpose and Scope

This numbered document provides code numbers for steel pipe.

Acronyms

- API: American Petroleum Institute
- ARC: abrasive resistant coating
- EMS: Engineering Material Specification
- FBE: fusion bonded epoxy
- HFW: high frequency weld (electric resistance welded, ERW)
- ISO: International Organization for Standardization
- SAWL: submerged arc weld longitudinal (double-submerged arc welded, DSAW)
- SMLS: seamless

References

Document

Steel Pipe..... EMS 4120

Table 1 PG&E Standard Pipe Sizes

Nominal Pipe Diameter (Inches)	Pipe Outside Diameter (Inches)	Wall Thickness (Inches)	Grade	Seam Type	Code for Bare	Code for Wrapped	Code for FBE	Code for FBE+ARC
3/4	1.050	0.113	B	SMLS	011574	010067	–	–
		0.154	B	SMLS	011951	011036	–	–
1	1.315	0.133	B	SMLS	011575	–	–	–
		0.179	B	SMLS	011935	–	–	–
1-1/4	1.660	0.140	B	SMLS	011576	010163	–	–
2	2.375	0.154	B	SMLS	011578	010147	–	–
3	3.500	0.216	B	SMLS	011692	010178	–	–
4	4.500	0.188	X42	HFW (ERW)	010941	–	010914	–
		0.237	B	SMLS	011693	–	010364	010716
6	6.625	0.188	X52	HFW (ERW)	011004	–	010944	–
		0.280	B	SMLS	011688	–	010014	010844
8	8.625	0.188	X52	HFW (ERW)	010717	–	010718	010795
		0.250	X42	HFW (ERW)	010237	–	010838	010848
		0.322	B	SMLS	011689	–	010029	010849

**TABLE 17-3
PACIFIC GAS AND ELECTRIC COMPANY
STEEL PIPE DIMENSIONS
(CONTINUED)**

A: Pipe, Mains, and Services

**STEEL PIPE DIMENSIONS
Code Numbers for Steel Pipe**

Table 1 PG&E Standard Pipe Sizes, continued

Nominal Pipe Diameter (Inches)	Pipe Outside Diameter (Inches)	Wall Thickness (Inches)	Grade	Seam Type	Code for Bare	Code for Wrapped	Code for FBE	Code for FBE+ARC
10	10.750	0.250	X52	HFW (ERW)	010797	–	010798	010803
		0.365	B	SMLS	011804	–	010034	010851
12	12.750	0.281	X52	HFW (ERW)	010806	–	010935	010939
		0.375	B	SMLS	011948	–	010037	010853
16	16.000	0.312	X52	HFW (ERW)	011051	–	010038	010854
		0.375	B	SMLS	011819	–	010039	010855
20	20.000	0.375	X60	HFW (ERW)	010898	–	–	–
24	24.000	0.375	X60	SAWL (DSAW)	010901	–	010790	010903
		0.500	X60	SAWL (DSAW)	010052	–	010057	010863
26	26.000	0.375	X60	SAWL (DSAW)	010864	–	010866	010867
		0.500	X60	SAWL (DSAW)	010904	–	010905	010908
30	30.000	0.375 ¹	X60	SAWL (DSAW)	010722	–	010767	010868
		0.500	X60	SAWL (DSAW)	010500	–	010869	010871
34	34.000	0.505	X60	SAWL (DSAW)	010889	–	010780	010876
36	36.000	0.500	X65	SAWL (DSAW)	010909	–	010910	010913

¹ Pipe with this wall thickness requires 42" minimum cover, when installing, to ensure adequate protection from traffic loads.

Revision Notes

Revision 07 has the following changes:

1. Updated acronyms to reflect Industry nomenclature, API 5L/ISO 3183 (44th edition) and match language in EMS 4120 Steel Pipe Specification.
 - Double Submerged Arc Weld (DSAW) has been replaced as SAWL (Submerged Arc Weld Longitudinal)
 - Electric Resistance Welded (ERW) has been replaced with High Frequency Welded (HFW)
2. Revised the Seam Type data in Table 1 to reflect industry nomenclature.
3. This document is part of Change 65.

**TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: JULY 1 – DECEMBER 31, 2013**

Line No.	Redacted	REPORTED DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	PIPE LINE MATERIAL	LINE SIZE	COATING TYPE	COATING COND	CIRCUM WELD COND	EXTERNAL GOUGING	COATING DAMAGED Y/N	COATING REPAIRED Y/N	SUPPORT COND	GOUGING Y/N	DISCOLOR Y/N	CRACKING Y/N	TEECAP CRACK Y/N
1		7/11/13	2129	D06	1	SHP (<=25psig)	2011	n	3	PE 2406/2708 (Yellow)	3								n	n	n	
2		7/18/13	1943		6	HP (<=60psig)	2007	n	12	PE 2406/2708 (Yellow)	4								n	n	n	
3		7/26/13				TP (>60psig)		y	1	Steel	36	Hot Applied Asphalt	Good			n	n	Good				
4		7/30/13	2129	B08	27	SHP (<=25psig)	1971	y	2	Steel	0.75	Hot Applied Asphalt	Fair		None	n	n	Good				
5		7/31/13	2129	D07	78	SHP (<=25psig)	1970	n	6	Aldyl A	2								y	n	n	
6		8/1/13	1943	D07	40	HP (<=60psig)	1973	n	12	Aldyl A	2								y	y	n	
7		8/5/13				TP (>60psig)			1	Steel	24	Tape	Good			n	n					
8		8/7/13	2129	F08	12	SHP (<=25psig)	1966	y	6	Steel	0.75	Single wrap	Good		None	n		Good				
9		8/8/13	2129	D07	123	SHP (<=25psig)	1979	n	6	PE 2406 (Orange)	1.25								n	n	n	n
10		8/13/13						y	5	Steel	20	Hot Applied Asphalt	Good		None	n	n					
11		8/13/13	2986	B01	48	HP (<=60psig)	1971	n		Aldyl A	0.5	Extru Coat	Excellent		None	y	y	Good				
12		8/13/13	2986	B01	48	HP (<=60psig)	1971	n	8	Aldyl A	0.5	Extru Coat	Excellent		None	n	y	Good				
13		8/14/13	2985	I06	29	HP (<=60psig)	1957	y	3	Steel	0.75	Hot Applied Asphalt	Excellent		None	n	n	Good				
14		8/19/13	2007	B06	5	TP (>60psig)	1973	y	2	Steel	8	Single wrap	Good			n	n	Good				
15		8/21/13	2985	G06	45	HP (<=60psig)	1922	y	3	Steel	6	Hot Applied Asphalt	Poor		Heavy	y	y					
16		8/21/13	2129	C07	32	SHP (<=25psig)	1995	n	2	PE 2406/2708 (Yellow)	1								n	n	n	
17		9/17/13				TP (>60psig)		y	2	Steel	24	Tape	Good				n	Good				
18		9/17/13				TP (>60psig)		y	2	Steel	24	Tape	Good			n	n	Good				
19		9/20/13							6	PE 2406 (Orange)	0.5								n	n	n	
20		9/20/13				TP (>60psig)			3	Steel	36	Epoxy	Good				n	Good				
21		9/25/13				TP (>60psig)		y	3	Steel	36	Epoxy	Good			n	n					
22		9/25/13				TP (>60psig)		y	3	Steel	36	Epoxy	Good			n	n					
23		9/26/13				TP (>60psig)	1970	y		Steel	36	Hot Applied Asphalt	Poor		None	y		Good				
24		10/1/13				TP (>60psig)		y	2		26	Epoxy	Good			n	n					
25		10/1/13				TP (>60psig)		y	2	Steel	36	Epoxy	Good			n	n					
26		10/1/13				TP (>60psig)		y	2	Steel	30	Epoxy	Good			n	n					
27		10/1/13				TP (>60psig)		y	2	Steel	30	Epoxy	Good			n	n					
28		10/2/13				TP (>60psig)	1970	y	2	Steel	36	Hot Applied Asphalt	Poor		None							
29		10/2/13				TP (>60psig)		y	12	Steel	36	Hot Applied Asphalt	Poor		None	y	y	Good				
30		10/3/13				TP (>60psig)	1970	y	2	Steel	36	Hot Applied Asphalt	Poor		None	n	n					
31		10/7/13				TP (>60psig)	1970	y	2	Steel	36	Hot Applied Asphalt	Poor		None	n	n					
32		10/7/13				TP (>60psig)	1970	y	12	Steel	36	Hot Applied Asphalt	Poor		None	y	y	Good				
33		10/7/13				TP (>60psig)		y	2	Steel	36	Hot Applied Asphalt	Poor		None	n	n					
34		10/8/13				TP (>60psig)	1970	y	2	Steel	36	Hot Applied Asphalt	Poor		None	n	n					
35		10/14/13	2129	A08	11	SHP (<=25psig)	1972	y	10	Steel	4	Hot Applied Asphalt	Good		None	n		Good				
36		10/14/13				TP (>60psig)	1970	y	2	PE 4710 (Black)	36	Hot Applied Asphalt	Poor		None	n	n					
37		10/14/13				TP (>60psig)		y	1	Steel	34	Tape	Good		None	n	n					
38		10/15/13				TP (>60psig)	1970	y	2	Steel	36	Hot Applied Asphalt	Poor		None							
39		10/15/13				TP (>60psig)			6	Steel	16	Somastic	Good	Acceptable	Light	y	y	Good				
40		10/19/13	1943	D07	20	HP (<=60psig)	1973	n	4	PE 2406 (Orange)	0.5								n	n	n	n
41		11/5/13				TP (>60psig)	1944	y	2	Steel	24	Hot Applied Asphalt	Fair			n	n	Good				
42		11/5/13	2129	C07	32	SHP (<=25psig)	1995	n	2	PE 2406/2708 (Yellow)	1								n	n	n	
43		11/15/13	2068	I08	2	HP (<=60psig)	1969	y	12	Steel	0.75	Single wrap	Good		None	n	n	Good				
44		12/5/13				TP (>60psig)		y	6	Steel	6	Epoxy	Excellent		Light	y	y					
45		12/10/13	2068	J08	17	HP (<=60psig)	1968	y	4	Steel	4	Hot Applied Asphalt	Good		None	n		Good				