PACIFIC GAS AND ELECTRIC COMPANY

GAS DISTRIBUTION PIPELINE SAFETY REPORT

JANUARY 1 – JUNE 30, 2011

IN COMPLIANCE WITH

CALIFORNIA PUBLIC UTILITIES COMMISSION

DECISION 11-05-018

SEPTEMBER 30, 2011

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Introduction and Background

This report is being submitted in compliance with California Public Utilities Commission (CPUC or Commission) Decision 11-05-018 concerning Pacific Gas and Electric Company's (PG&E or the Company) 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.

As directed, this first semi-annual report covers gas distribution pipeline safety information for January 1 through June 30, 2011. In a separate report being submitted concurrently in compliance with Decision 11-04-031, which concerned PG&E's Gas Transmission and Storage Services application, the Company reports 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); and
- Project Descriptions and Status (Items 13-17).

This report includes distribution-level Major Work Categories (MWC) that relate to gas distribution safety, integrity and reliability. Other MWCs, such as New Business (MWC EV) and Work Requested by Others (MWC EW), are not included in this report,

but are addressed in the August 3, 2011 budget report submitted in compliance with OP 42 of Decision 11-05-018.

Summary

For 2011, PG&E has budgeted more overall on gas distribution safety, integrity and reliability than the Settlement Agreement[1] allocations for both capital and expense programs. For capital, PG&E expects to spend $191.1 million in 2011, which is $33.6 million more than provided for in the Settlement Agreement. For operations and maintenance (O&M or expense) activities, PG&E expects to spend $140.2 million in 2011, which is $2.1 million more than provided for in the Settlement Agreement. Currently, PG&E is on track to spend the entire amount budgeted for gas distribution safety, integrity and reliability. Although PG&E expects to spend more than the amount allocated in the Settlement Agreement on gas distribution safety, reliability and integrity, the Company is spending less on some Gas Distribution programs to fund higher priority Gas Distribution work.

In this first six-month report period, PG&E has completed approximately 4 million inspections through O&M activities in areas such as leak survey, cathodic protection, isolated services program, district regulator station maintenance, valve maintenance, atmospheric corrosion and standby/field meets. (See Item 16, Distribution Pipeline Inspection Plan.) These activities include 298,000 services surveyed for leaks, 245,000 mark and locate tags completed, and 6,300 service leaks repaired. (See Item 7, Capital Project Status.)

This report also includes information on 124 capital projects, of which 38 projects are complete. (See Tables and 7-2 and 17-1.) These projects have current-year expenditures greater than $10,000 and are forecasted to exceed $250,000. These projects include the replacement of approximately 11 miles of main and the replacement of 3,700 services. (See Items 10 and 17.)

Use of June 2011 Budget Data

Consistent with PG&E's August 3, 2011 budget report referenced above, the budgets for 2011 contained in this report reflect those developed in June 2011. This is because the final decision for the 2011 GRC was issued in May 2011, and hence PG&E

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

first prepared a 2011 budget that incorporated the final decision later that month. The June 2011 capital budget data also includes PG&E's estimate of increased spending as a result of the Tax Relief, Unemployment Insurance Reauthorization, and Job Creation Act of 2010, which includes provisions on bonus depreciation.

Applicability of Certain Reporting Requirements

As explained in PG&E's March 14, 2011 comments on the Proposed Decision and Alternate Proposed Decision leading up to D.11-05-018,[2] 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.

For example, Items 14 and 15 request information on Gas Distribution capital 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 areas" is a term of art that does not apply to Gas Distribution pipelines. For the current report, PG&E has indicated that these two items are inapplicable. However, as part of PG&E's new Distribution Integrity Management Program (DIMP), PG&E is performing a risk ranking of the Gas Distribution system and the Company will report on the results when they are available.

Also, Items 17e, 17f, 17g, and 17i regarding "pipeline numbers," "mileposts," "geographical coordinates and location," and "class location" are factors that relate to gas transmission pipelines and are not generally available for Gas Distribution pipelines. Nonetheless, PG&E has provided as much information as is available to be responsive.

Reporting on Capital Projects

The reporting on capital projects in this report follows the instructions set forth in Attachment 5 of Decision 05-11-018. The Decision explains:

> For capital projects proposed or forecasted in the test year 2011 general rate case (GRC), PG&E shall report on capital projects at the level set forth in the workpapers for PG&E's GRC Gas Capital testimony. For more generally referenced capital projects, PG&E shall provide information for every project with total forecasted spending in excess of $250,000 and with actual expenditures in the year of over

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[2] 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).

$10,000, within each gas capital MWC. These thresholds are consistent with PG&E's annual Gas Pipeline Replacement Program reports. (D.11-05-018, Attachment 5, p. 4.)

Accordingly, where the Commission has requested information on projects proposed or forecasted in the GRC, PG&E provides project-specific data at the level of detail set forth in Table 19-3 of the workpapers for PG&E's Gas Capital testimony (Exhibit PG&E-3, Chapter 19). Table 19-3 is attached as Appendix A to this report.

And, where the Commission has generally requested information about capital projects, PG&E provides project-specific data using the monetary thresholds described above.

In other areas, the Commission has requested data concerning projects specified in the Settlement Agreement. Because the Settlement Agreement did not include allocations for specific gas capital projects, PG&E provides information in this report at the MWC level.

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, operation and maintenance (O&M) activities, and inspections are undertaken for gas distribution pipeline, safety, integrity and reliability are to be undertaken.

Response

PG&E established plans and budgets for 2011 Gas Distribution capital and expense expenditures as part of the Company-wide operating plan development process. This planning and decision-making process is outlined below.

In 2010, the managers with day-to-day responsibility for Gas Distribution capital and expense expenditures (program managers) gathered information from gas engineering, integrity management, maintenance and operations directors, managers, field superintendents, Gas Distribution engineers, and project managers to develop a preliminary work plan and proposed budget for 2011. The work planned for the Gas Distribution system each year is based on a number of factors. Compliance with regulation is a key factor driving many inspection, maintenance and replacement programs. In addition, the maintenance, repair and replacement activities required to maintain system integrity and safety are determined for the planning period. Work is also planned to provide capacity to meet customer needs and to achieve operational efficiency and reliability. In developing the preliminary work plan, the program managers start with the plan from the prior year and the forecast from the last rate case as the initial point of reference. This annual planning process was used to establish a preliminary budget and work plan for 2011, which was subsequently updated to reflect the final GRC decision.

Once this preliminary work plan was developed, the Gas Distribution program managers categorized the proposed work, capital projects and expense programs (O&M activities), according to the following priorities:

ffi 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.

These categories were used to determine relative priorities for work in the upcoming year in order to develop the proposed 2011 budget and operating plan. Except for work within the mandatory category, the program managers further prioritized specific work within the same risk category (Priority 1, Priority 2, Priority 3) according to factors such as the impact of the work on system safety, system reliability and integrity, capacity needs, customer needs, and other operational requirements. Capital and expense work were prioritized separately. Gas distribution work was not combined with gas transmission or electric transmission for purposes of this prioritization process. Gas distribution was prioritized with electric distribution in 2010 for the 2011 budget year.

The work included in the mandatory category, the prioritization of Gas Distribution work in priority Categories 1, 2 and 3, as well as the proposed Gas Distribution plan and budget, were reviewed by senior management in the Company's Gas and Electric Transmission and Distribution (T&D) lines of business. The result of this process formed the basis for the Gas Distribution proposed budget request and plan.

After review by the Finance Department, the proposed Gas Distribution budget and plan were submitted for further review and approval to PG&E's Operating Plan Committee (OPC), the team of senior officers responsible for PG&E's Company-wide planning and budgeting. For the 2011 budget request, the Gas Distribution business was included within the presentations prepared for the overall T&D lines of business for OPC approval. Upon completion of their review of all the budget requests for all PG&E lines of business, in conjunction with the Company's senior leadership, the OPC communicated the approved annual budgets for 2011 at the line of business level (i.e., at the Gas Distribution

level, not specifically allocated by MWC or program). These approved budgets were also presented to the Company's Board of Directors for its concurrence.

After the approved budgets are presented, the line of business reviews the budget relative to the initial request. If the approved budget is different from the request, the line of business either defers lower priority work or funds additional work activities using the prioritization previously developed to support the budget request, taking into consideration any emergent issues. For instance, if the approved budget is lower than the original request, the line of business removes activities from that year's work plan, starting with funding levels for the lowest priority areas (i.e., starting with Priority 3, if any). In general, work which is deferred in one year is considered in future years. Because work within Priorities 1, 2 and 3 are prioritized within that category, the work plan supporting the initial request can be modified to accommodate the approved budget.

Mid-Year Updates

Throughout the year, Gas Distribution occasionally adjusts the work plan. As such, during the course of the January through June 2011 reporting period, the detailed Gas Distribution budget and work plan were adjusted to address changes in work scope, adjustments in work execution plans or to address operational and other emergent issues. This re-planning effort (referred to as the Cycle 1 Budget) included an update to reflect the GRC decision in May 2011 and included minor changes to improve the accuracy of the 2011 work plan.

Budgeting, Spending and Project Reprioritization

2. Settlement Agreement Allocations

Request

Amount of funds allocated in the Settlement Agreement to each Major Work Category (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 (A.) 09-12-020.

Response

Table 2-1 reflects the funds allocated by MWC for O&M, as specified in the Settlement Agreement. Table 2-2 reflects the funds allocated by MWC for capital. These capital amounts are calculated as shown in Appendix B. The MWCs shown on both tables are those that relate to gas distribution pipeline safety, integrity and reliability.

TABLE 2-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF 2011 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 2011 DOLLARS)

MWC	MWC Description	Settlement Agreement Allocation
DE	Leak Survey	15,482
DF	Mark and Locate	29,902
DG	Cathodic Protection	10,757
EX	Meter Protection	1,200
FG	Operate Gas Distribution System	3,945
FH	Gas Distribution Preventative Maintenance	16,924
FI	Gas Distribution Corrective Maintenance	35,656
GF	Operations Distribution – Gas Mapping	1,600
GG	Gas Engineering	3,060
JS	Distribution Integrity Management Program	19,500
	Total	**138,026**

MWC KF "GT&D Impl Regulatory Change" is not included in the Settlement Agreement allocations in Table 2-1 because it was not included in the GRC;

however, this MWC does have a budget allocation for 2011 as indicated in Table 3-1.

TABLE 2-2
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF CAPITAL ALLOCATIONS
FOR GAS DISTRIBUTION PIPELINE SAFETY, INTEGRITY AND RELIABILITY
BASED ON THE GRC SETTLEMENT AGREEMENT
(IN THOUSANDS OF 2011 DOLLARS)

MWC	MWC Description	Settlement Agreement Allocation
14	Gas Pipeline Replacement Program	123,266
27	Gas Meter Protection - Capital	593
47	Gas Distribution New Capacity	12,760
50	Gas Distribution Reliability	20,660
52	Gas Distribution Emergency Response	264
	Total	**157,543**

MWCs 2J and 2K are not included in the GRC Settlement Agreement allocation amounts in Table 2-2 because they were not included in the GRC; however, these new MWCs have either a budget allocation for 2011 or actual spending as indicated in Tables 3-2 and 6-2.

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 2011 DOLLARS)

MWC	MWC Description	Budget
DE	Leak Survey	18,609
DF	Mark & Locate - G&E	26,978
DG	Cathodic Protection	8,748
EX	Meter Protection-Inspect&Corr	199
FG	Opr Distribution Sys - Gas	3,038
FH	Preventive Maintenance Gas	19,173
FI	Perf Maint to Corr Fail - Gas	39,550
GF	Opr Distribution Sys - Gas Map	934
GG	Opr Distribution Sys - Gas Eng	3,070
JS	G Dist Integrity Mgt Pgm (DIMP)	19,500
KF	GT&D Impl Regulatory Change	367
Gas Distribution Expense		**140,166**

TABLE 3-2
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF BUDGETED CAPITAL BY MWC
(IN THOUSANDS OF 2011 DOLLARS)

MWC	MWC Description	Budget
14	Gas Pipeline Replacement Pgm	123,707
27	Gas Meter Protection-Capital	332
47	G Dist New Capacity - Gas	12,000
50	G Dist Reliability	39,390
52	G Dist Emergency Response	702
2J	GT&D Impl Regulatory Change	0
2K	G Cust HPR	15,000
Gas Distribution Capital		**191,131**

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 from January 1 through June 30, 2011, on gas distribution pipeline safety, reliability and integrity.

TABLE 4-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF CAPITAL SPENDING BY MWC
(IN THOUSANDS OF 2011 DOLLARS)

MWC	MWC Description	Actuals 1/1 - 6/30
14	Gas Pipeline Replacement Pgm	60,962
27	Gas Meter Protection-Capital	0
47	G Dist New Capacity - Gas	4,953
50	G Dist Reliability	24,253
52	G Dist Emergency Response	366
2J	GT&D Impl Regulatory Change	66
2K	G Cust HPR	761
Gas Distribution Capital		**91,361**

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 forecasted to be less than $250,000. This level of detail shows all projects or grouping of projects within each MWC.

TABLE 4-2
PACIFIC ELECTRIC AND GAS COMPANY
PROJECTS WITH 2011 EXPENDITURE > $10,000 and FORECAST > $250,000

$ in thousands

Gas Distribution - Capital

MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Inception
					B	C
14	**5500108**	**Pipeline Replacement**	**TOTAL**		**$ 11**	
14	5500725	Pipeline Replacement-East Bay	30616134	OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE	$ 168	$ 1,703
14	5500725	Pipeline Replacement-East Bay	30810294	BERKELEY GPRP - PHASE 2 [Redacted]	$ 1,029	$ 1,431
14	5500725	Pipeline Replacement-East Bay	30814275	R2L GP[Redacted] GPRP	$ 33	$ 223
14	5500725	Pipeline Replacement-East Bay	OTHER		-$ 3	
14	**5500725**	**Pipeline Replacement-East Bay**	**TOTAL**		**$ 1,226**	
14	5500726	Pipeline Replacement-Fresno	30750011	WEST FRESNO GPRP 2010	$ 161	$ 2,228
14	5500726	Pipeline Replacement-Fresno	30807391	[Redacted]	$ 971	$ 1,277
14	5500726	Pipeline Replacement-Fresno	30807430		$ 274	$ 700
14	5500726	Pipeline Replacement-Fresno	30808712		$ 32	$ 52
14	5500726	Pipeline Replacement-Fresno	OTHER		$ 1	
14	**5500726**	**Pipeline Replacement-Fresno**	**TOTAL**		**$ 1,439**	
14	5500910	Pipeline Replacement-North Bay	30737244	OC4 GPRP SANTA MARGARITA, SAN RAFAEL	$ 37	$ 392
14	5500910	Pipeline Replacement-North Bay	30835701	GPRP [Redacted]	$ 12	$ 62
14	5500910	Pipeline Replacement-North Bay	OTHER		$ 30	
14	**5500910**	**Pipeline Replacement-North Bay**	**TOTAL**		**$ 83**	
14	5500912	Pipeline Replacement-SO	30737291	OC4 GPRP[Redacted]	$ 85	$ 1,073
14	5500912	Pipeline Replacement-SO	30826696	GD GPRP WEST AND VARIOUS, PETALUMA	$ 14	$ 16
14	5500912	Pipeline Replacement-SO	30835636	OC4 GD GPRP [Redacted]	$ 369	$ 381
14	5500912	Pipeline Replacement-SO	OTHER		$ 8	
14	**5500912**	**Pipeline Replacement-SO**	**TOTAL**		**$ 476**	
14	5500914	Pipeline Replacement-North Valley	30795703	RED BLUFF GPRP [Redacted]	$ 2	$ 138
14	5500914	Pipeline Replacement-North Valley	OTHER		$ 0	
14	**5500914**	**Pipeline Replacement-North Valley**	**TOTAL**		**$ 2**	
14	5500917	Pipeline Replacement-Peninsula	30736194	OC1 GPRP REDWOOD CITY	$ 195	$ 1,476
14	5500917	Pipeline Replacement-Peninsula	30796765	HOOVER GPRP (2011 CRITICAL PROJECT)	$ 118	$ 174
14	5500917	Pipeline Replacement-Peninsula	OTHER		$ 29	
14	**5500917**	**Pipeline Replacement-Peninsula**	**TOTAL**		**$ 341**	
14	5500919	Pipeline Replacement-Sacramento	30616128	OC4 G PRP [Redacted]	$ 27	$ 491
14	5500919	Pipeline Replacement-Sacramento	30616130	OC4 GP PRP [Redacted]	$ 63	$ 718
14	5500919	Pipeline Replacement-Sacramento	OTHER		$ 23	
14	**5500919**	**Pipeline Replacement-Sacramento**	**TOTAL**		**$ 113**	
14	5500923	Pipeline Replacement-San Jose	30680560	G S[Redacted] GPRP	$ 14	$ 1,202
14	5500923	Pipeline Replacement-San Jose	30746089	PH [Redacted] PRP--2010	$ 641	$ 772
14	5500923	Pipeline Replacement-San Jose	30753678	G [Redacte] GPRP--SAN JOSE	$ 526	$ 672
14	5500923	Pipeline Replacement-San Jose	30801105	G [Redacted] GPRP, SJ	$ 21	$ 231
14	5500923	Pipeline Replacement-San Jose	OTHER		$ 16	
14	**5500923**	**Pipeline Replacement-San Jose**	**TOTAL**		**$ 1,218**	
14	5500926	Pipeline Replacement-Stockton	30668852	GPRP [Redacted] LODI PHAS	$ 959	$ 1,460
14	5500926	Pipeline Replacement-Stockton	OTHER		$ 0	
14	**5500926**	**Pipeline Replacement-Stockton**	**TOTAL**		**$ 959**	
14	5500928	Pipeline Replacement-Yosemite	30741372	OC2 GPRP [Redacted] PHASE 2	$ 35	$ 754
14	5500928	Pipeline Replacement-Yosemite	OTHER		$ 16	
14	**5500928**	**Pipeline Replacement-Yosemite**	**TOTAL**		**$ 51**	
14	5505699	Pipeline Replacement - Kern	30793853	OC2 REPL. MAIN [Redacted]	$ 24	$ 332
14	5505699	Pipeline Replacement - Kern	OTHER		$ 0	
14	**5505699**	**Pipeline Replacement - Kern**	**TOTAL**		**$ 24**	
14	5505701	Pipeline Replacement - Sierra	30804511	REPL LP GPRP [Redacted]	$ 450	$ 474
14	5505701	Pipeline Replacement - Sierra	OTHER		$ 0	
14	**5505701**	**Pipeline Replacement - Sierra**	**TOTAL**		**$ 450**	
14	5506443	Pipeline Replacement-San Francisco	30649246	OC1 GPRP [Redacted]	$ 20	$ 2,088
14	5506443	Pipeline Replacement-San Francisco	30674899	OC1 G GPRP [Redacted]	$ 68	$ 1,609
14	5506443	Pipeline Replacement-San Francisco	30674922	OC1 G GPRP	$ 83	$ 4,099
14	5506443	Pipeline Replacement-San Francisco	30753677	OC1 G GPRP	$ 264	$ 2,951
14	5506443	Pipeline Replacement-San Francisco	30754768	OC1 G GPRP	$ 239	$ 1,439
14	5506443	Pipeline Replacement-San Francisco	30754774	OC1 G GPRP	$ 334	$ 3,242
14	5506443	Pipeline Replacement-San Francisco	30804481	OC1 GPRP [Redacted]	$ 408	$ 409
14	5506443	Pipeline Replacement-San Francisco	30806806	GPRP OUTER MISSION 2	$ 1,672	$ 2,169
14	5506443	Pipeline Replacement-San Francisco	30806814	G GPRP OXFORD, SF	$ 3,051	$ 3,619
14	5506443	Pipeline Replacement-San Francisco	30806816	OC1 R4E G GPRP SAN BRUNO, SF	$ 1,699	$ 1,921
14	5506443	Pipeline Replacement-San Francisco	30806817	R4E GPRP MISSION DISTRICT 3, SAN FRANC	$ 2,576	$ 3,217
14	5506443	Pipeline Replacement-San Francisco	30807801	OC1 G GPRP [Redacted]	$ 2,839	$ 2,848
14	5506443	Pipeline Replacement-San Francisco	30807861	GPRP [Redacted]	$ 3,302	$ 3,921
14	5506443	Pipeline Replacement-San Francisco	30807977	G GPRP [Redacted]	$ 2,025	$ 2,229
14	5506443	Pipeline Replacement-San Francisco	30808096	G GPRP [Redacted]	$ 2,578	$ 3,088
14	5506443	Pipeline Replacement-San Francisco	30808140	G GPRP	$ 1,222	$ 1,516
14	5506443	Pipeline Replacement-San Francisco	30808157	G GPRP	$ 1,100	$ 1,110
14	5506443	Pipeline Replacement-San Francisco	30808260	G GPRP	$ 2,257	$ 2,333

TABLE 4-2
PACIFIC ELECTRIC AND GAS COMPANY
PROJECTS WITH 2011 EXPENDITURE > $10,000 and FORECAST > $250,000

MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Inception
14	5506443	Pipeline Replacement-San Francisco	30808261	R4E G GPRP [redacted]	$ 1,400	$ 1,647
14	5506443	Pipeline Replacement-San Francisco	30808590	GPRP MISSION DISTRICT 4, SAN FRAN	$ 1,249	$ 1,656
14	5506443	Pipeline Replacement-San Francisco	30815779	OC1 G GPRP [redacted]	$ 358	$ 489
14	5506443	Pipeline Replacement-San Francisco	30820278	G GPRP [redacted]	$ 508	$ 997
14	5506443	Pipeline Replacement-San Francisco	30821410	G GPRP [redacted]	$ 18	$ 174
14	5506443	Pipeline Replacement-San Francisco	30821601	R1 E G GPRP BERNAL HEIGHTS, SF	$ 202	$ 513
14	5506443	Pipeline Replacement-San Francisco	30823194	M GPRP [redacted]	$ 559	$ 1,041
14	5506443	Pipeline Replacement-San Francisco	30829620	M GPRP [redacted] - SF	$ 158	$ 348
14	5506443	Pipeline Replacement-San Francisco	30829626	OC1 E G GPRP [redacted]	$ 499	$ 501
14	5506443	Pipeline Replacement-San Francisco	OTHER		-$ 121	
14	**5506443**	**Pipeline Replacement-San Francisco**	**TOTAL**		$ 30,567	
14	**5507199**	**EB Copper Service Replacement**	**TOTAL**		$ 82	
14	**5507399**	**PN Copper Service Replacement**	**TOTAL**		$ 527	
14	**5507600**	**SJ A67 Services Replacement**	**TOTAL**		-$ 4	
14	**5507601**	**MI A67 Services Replacement**	**TOTAL**		-$ 2	
14	**5507659**	**DI A67 Services Replacement**	**TOTAL**		$ 96	
14	**5507660**	**CC A67 Services Replacement**	**TOTAL**		$ 0	
14	**5507661**	**FR A67 Services Replacement**	**TOTAL**		$ 28	
14	**5507664**	**YO A67 Services Replacement**	**TOTAL**		$ 1	
14	**5507668**	**NB A67 Services Replacement**	**TOTAL**		$ 51	
14	**5507669**	**A67 Services Replacement - SO**	**TOTAL**		$ 56	
14	**5507781**	**SF A67 Services Replacement**	**TOTAL**		-$ 2	
14	**5508319**	**EB A67 Services Replacement**	**TOTAL**		$ 137	
14	**5508320**	**PN A67 Services Replacement**	**TOTAL**		$ 78	
14	**5508321**	**DA A67 Services Replacement**	**TOTAL**		$ 112	
14	**5508322**	**CC Copper Services Replacement**	**TOTAL**		$ 1	
14	**5508323**	**SJ Copper Service Replacement**	**TOTAL**		$ 33	
14	**5508325**	**SF Copper Service Replacement**	**TOTAL**		$ 608	
14	**5508326**	**YO Copper Service Replacement**	**TOTAL**		$ 35	
14	**5508366**	**NB Copper Service Replacement**	**TOTAL**		$ 7,435	
14	**5508369**	**SA A67 Services Replacement**	**TOTAL**		$ 121	
14	**5508371**	**FR Copper Service Replacement**	**TOTAL**		$ 2,591	
14	**5508372**	**DI Copper Service Replacement**	**TOTAL**		$ 12,308	
14	**5509247**	**Est - Int Est/DesignDist - SCV MWC 14**	**TOTAL**		$ 449	
14	**5509273**	**Mapping - Other Mapping - SCV MWC 14**	**TOTAL**		$ 102	
14	**5734818**	**SCV - MWC 14 planning**	**TOTAL**		-$ 901	
14	**5507666**	**Econ Stim SA Copper Srv Repl**	**TOTAL**		$ 1	
14	**5510177**	**Econ Stim Pipeline Replacement San Jose**	**TOTAL**		$ 6	
14	5510178	Econ Stim Pipeline Replacement San Franc	30820364	R4 G GPRP [redacted]	$ 21	$ 42
14	5510178	Econ Stim Pipeline Replacement San Franc	OTHER		$ 0	
14	**5510178**	**Econ Stim Pipeline Replacement San Franc**	**TOTAL**		$ 21	
14	**5510179**	**Econ Stim PN Copper Inaccessible Tees**	**TOTAL**		$ 33	
14	**5510180**	**Econ Stim SJ Copper Inaccessible Tees**	**TOTAL**		$ 0	
14 TOTAL					**$ 60,962**	
27	**5500885**	**Meter Protect Capital-East Bay**	**TOTAL**		$ 0	
27 TOTAL					**$ 0**	
47	5500748	Incr. Capacity G-DI	30789549	OC1 [redacted]	$ 754	$ 806
47	5500748	Incr. Capacity G-DI	30820811	MAIN REINFORC [redacted]	$ 462	$ 604
47	5500748	Incr. Capacity G-DI	OTHER		$ 10	
47	**5500748**	**Incr. Capacity G-DI**	**TOTAL**		$ 1,226	
47	**5500749**	**Incr. Capacity G-EB**	**TOTAL**		$ 0	
47	5500750	Incr. Capacity G-FR	30757861	R2 INST 17000 FT OF 8" PL MAIN FRESNO	$ 85	$ 1,856
47	5500750	Incr. Capacity G-FR	30784111	OC2 CAPACITY INCREASE [redacted]	$ 25	$ 571
47	5500750	Incr. Capacity G-FR	OTHER		$ 0	
47	**5500750**	**Incr. Capacity G-FR**	**TOTAL**		$ 110	
47	5500752	Incr. Capacity G-MI	30747707	OC1 [redacted] NSTALL 4100 FT O	$ 141	$ 1,186
47	5500752	Incr. Capacity G-MI	OTHER		$ 85	
47	**5500752**	**Incr. Capacity G-MI**	**TOTAL**		$ 226	
47	**5500753**	**Incr. Capacity G-NB**	**TOTAL**		-$ 3	
47	**5500754**	**47B - Cons/Acq New Fac-G-Mains - SO**	**TOTAL**		$ 179	
47	5500755	Incr. Capacity G-NV	30742428	OC4 INST 1700FT 6-IN PL [redacted]	$ 386	$ 572
47	**5500755**	**Incr. Capacity G-NV**	OTHER		$ 5	
47	**5500755**	**Incr. Capacity G-NV**	**TOTAL**		$ 391	
47	5500756	Incr. Capacity G-PN	30783043	OC1 [redacted]	$ 397	$ 458
47	**5500756**	**Incr. Capacity G-PN**	**OTHER**		$ 49	
47	**5500756**	**Incr. Capacity G-PN**	**TOTAL**		$ 446	
47	**5500757**	**Incr. Capacity G-SA**	**TOTAL**		$ 231	
47	5500759	Incr. Capacity G-SJ	30675123	OC2 G 1,270-FT 4"PL [redacted]	$ 94	$ 281
47	5500759	Incr. Capacity G-SJ	OTHER		$ 7	
47	**5500759**	**Incr. Capacity G-SJ**	**TOTAL**		$ 101	
47	5500760	Incr. Capacity G-SI	30798844	INST. 1050' OF 6" PL, [redacted] LIVE	$ 291	$ 298

TABLE 4-2
PACIFIC ELECTRIC AND GAS COMPANY
PROJECTS WITH 2011 EXPENDITURE > $10,000 and FORECAST > $250,000

MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Inception
47	5500760	Incr. Capacity G-SI	OTHER		$ 52	
47	**5500760**	**Incr. Capacity G-SI**	**TOTAL**		$ 343	
47	5500761	Incr. Capacity G-ST	30790929	R5 [Redacted]	$ 25	$ 56
47	5500761	Incr. Capacity G-ST	30797736	[Redacted]	$ 331	$ 338
47	5500761	Incr. Capacity G-ST	OTHER		$ 0	
47	**5500761**	**Incr. Capacity G-ST**	**TOTAL**		$ 357	
47	5500762	Incr. Capacity G-YO	30749118	GPCAPACITY:6"HP PARALLEL MAIN OAKDALE	$ 21	$ 50
47	5500762	Incr. Capacity G-YO	30749119	GPCAPACITY:6"HP PARALLEL MAIN MODESTO	$ 31	$ 771
47	5500762	Incr. Capacity G-YO	OTHER		$ 19	
47	**5500762**	**Incr. Capacity G-YO**	**TOTAL**		$ 71	
47	5508860	47C - Con/Acq New Fac-G-Cap-RegSta - PN2	30676477	R2 INSTALL DRS [Redacted]	$ 35	$ 136
47	5508860	47C - Con/Acq New Fac-G-Cap-RegSta - PN2	30783042	[Redacted]	$ 250	$ 408
47	5508860	47C - Con/Acq New Fac-G-Cap-RegSta - PN2	OTHER		$ 0	
47	**5508860**	**47C - Con/Acq New Fac-G-Cap-RegSta - PN2**	**TOTAL**		$ 285	
47	**5508861**	**47C - Cons/Acq New Fac-G-Cap-RegSta - EB**	**TOTAL**		$ 1	
47	5508862	47C - Cons/Acq New Fac-G-Cap-RegSta - DI	30813671	REBUILD [Redacted]	$ 23	$ 25
47	5508862	47C - Cons/Acq New Fac-G-Cap-RegSta - DI	OTHER		$ 2	
47	**5508862**	**47C - Cons/Acq New Fac-G-Cap-RegSta - DI**	**TOTAL**		$ 25	
47	5508863	47C - Cons/Acq New Fac-G-Cap-RegSta - MI	30786843	OC1 RH-06-INSTALL DR [Redacted]	$ 142	$ 1,016
47	5508863	47C - Cons/Acq New Fac-G-Cap-RegSta - MI	30787989	INST DUAL DR. STATION	$ 417	$ 836
47	5508863	47C - Cons/Acq New Fac-G-Cap-RegSta - MI	OTHER		$ 0	
47	**5508863**	**47C - Cons/Acq New Fac-G-Cap-RegSta - MI**	**TOTAL**		$ 559	
47	**5508871**	**47C - Cons/Acq New Fac-G-Cap-RegSta - YO**	**TOTAL**		-$ 2	
47	**5508872**	**47C - Cons/Acq New Fac-G-Cap-RegSta - NV**	**TOTAL**		$ 8	
47	5508873	47C - Cons/Acq New Fac-G-Cap-RegSta - SA	30740781	OC4 [Redacted] - INSTL R	$ 174	$ 410
47	5508873	47C - Cons/Acq New Fac-G-Cap-RegSta - SA	OTHER		$ 8	
47	**5508873**	**47C - Cons/Acq New Fac-G-Cap-RegSta - SA**	**TOTAL**		$ 181	
47	5508874	47C - Cons/Acq New Fac-G-Cap-RegSta - SI	30810188	REBLD DR MRC-12 [Redacted]	$ 44	$ 139
47	5508874	47C - Cons/Acq New Fac-G-Cap-RegSta - SI	OTHER		$ 0	
47	**5508874**	**47C - Cons/Acq New Fac-G-Cap-RegSta - SI**	**TOTAL**		$ 44	
47	5508875	47C - Cons/Acq New Fac-G-RegSta - SO	30826697	R4 GD REBUILD DR [Redacted]	$ 16	$ 16
47	5508875	47C - Cons/Acq New Fac-G-RegSta - SO	OTHER		$ 0	
47	**5508875**	**47C - Cons/Acq New Fac-G-RegSta - SO**	**TOTAL**		$ 16	
47	5508876	47C - Cons/Acq New Fac-G-Cap-RegSta - NB	30797133	G CAP_REG 118 REBUILD_YOUNTVILLE	$ 22	$ 35
47	5508876	47C - Cons/Acq New Fac-G-Cap-RegSta - NB	OTHER		$ 0	
47	**5508876**	**47C - Cons/Acq New Fac-G-Cap-RegSta - NB**	**TOTAL**		$ 22	
47	**5508878**	**47D - Con/Acq New Fac-G-Cap-Rep/Reg - PN**	**TOTAL**		$ 9	
47	**5508888**	**47D - Con/Acq New Fac-G-Cap-ReplReg - ST**	**TOTAL**		$ 57	
47	**5508891**	**47E - Con/AcquirNewFacil G-Cap-Betr - SA**	**TOTAL**		$ 4	
47	**5508896**	**47E - Con/AcquirNewFacil G-Cap-Betr - PN**	**TOTAL**		$ 0	
47	**5508913**	**47F - Cons/Acquire NewFac G-Cap-Oth - SF**	**TOTAL**		$ 0	
47	**5508916**	**47F - Cons/Acquire NewFac G-Cap-Oth - DI**	**TOTAL**		$ 3	
47	**5508917**	**47F - Cons/Acquire NewFac G-Cap-Oth - MI**	**TOTAL**		$ 4	
47	5508972	47B - Cons/Acq New Fac-G-Cap-Mains - HB	30762994	OC4 GD CAPACITY [Redacted]	$ 18	$ 521
47	5508972	47B - Cons/Acq New Fac-G-Cap-Mains - HB	OTHER		$ 15	
47	**5508972**	**47B - Cons/Acq New Fac-G-Cap-Mains - HB**	**TOTAL**		$ 33	
47	**5509250**	**Est - Int Est/DesignDist - SCV MWC 47**	**TOTAL**		$ 26	
47 TOTAL					**$ 4,953**	
50	**5500640**	**Impr Rel/Dep G-CC**	**TOTAL**		$ 51	
50	**5500641**	**Impr Rel/Dep G-DA**	**TOTAL**		$ 14	
50	**5500643**	**Impr Rel/Dep G-DI**	**TOTAL**		$ 48	
50	**5500645**	**Impr Rel/Dep G-EB**	**TOTAL**		$ 30	
50	5500646	Impr Rel/Dep G-FR	30805155	GP [Redacted]	$ 183	$ 344
50	5500646	Impr Rel/Dep G-FR	OTHER		$ 225	
50	**5500646**	**Impr Rel/Dep G-FR**	**TOTAL**		$ 408	
50	**5500648**	**Impr Rel/Dep G-KE**	**TOTAL**		$ 86	
50	**5500649**	**Impr Rel/Dep G-MI**	**TOTAL**		$ 43	
50	5500650	Impr Rel/Dep G-NB	30679552	G RM [Redacted]	$ 22	$ 47
50	5500650	Impr Rel/Dep G-NB	30751625	OC4 GP RM REPL [Redacted]	$ 50	$ 626
50	5500650	Impr Rel/Dep G-NB	30761915	=P RM REPL [Redacted]	$ 19	$ 50
50	5500650	Impr Rel/Dep G-NB	30813051	GP REPL [Redacted]	$ 15	$ 18
50	5500650	Impr Rel/Dep G-NB	30813057	G RM REPL MAIN [Redacted]	$ 260	$ 362
50	5500650	Impr Rel/Dep G-NB	30827211	GP RM [Redacted]	$ 668	$ 877
50	5500650	Impr Rel/Dep G-NB	OTHER		$ 35	
50	**5500650**	**Impr Rel/Dep G-NB**	**TOTAL**		$ 1,068	
50	5500651	Impr Rel/Dep G - SO	30679554	G RM [Redacted]	$ 18	$ 44
50	5500651	Impr Rel/Dep G - SO	30810993	R4_ RP [Redacted]	$ 17	$ 19
50	5500651	Impr Rel/Dep G - SO	OTHER		$ 46	
50	**5500651**	**Impr Rel/Dep G - SO**	**TOTAL**		$ 81	
50	**5500652**	**Impr Rel/Dep G-NV**	**TOTAL**		$ 213	
50	5500657	Impr Rel/Dep G-PN	30760327	OC1 REPL 700' OF 2" WITH 2"PL ESPL PAC	$ 36	$ 244

TABLE 4-2
PACIFIC ELECTRIC AND GAS COMPANY
PROJECTS WITH 2011 EXPENDITURE > $10,000 and FORECAST > $250,000

MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Inception
50	5500657	Impr Rel/Dep G-PN	OTHER		$ 195	
50	**5500657**	**Impr Rel/Dep G-PN**	**TOTAL**		$ 230	
50	5500658	Impr Rel/Dep G-SA	30846074	GP Redacted	$ 313	$ 486
50	5500658	Impr Rel/Dep G-SA	OTHER		$ 473	
50	**5500658**	**Impr Rel/Dep G-SA**	**TOTAL**		$ 786	
50	5500659	Impr Rel/Dep G-SF	30759573	OC1 GREPL MAIN Redacted	$ 489	$ 631
50	5500659	Impr Rel/Dep G-SF	30761621	OC1 GREPL 6"STLHR Redacted	$ 122	$ 793
50	5500659	Impr Rel/Dep G-SF	30833648	DOLORES MFRP, SF	$ 54	$ 72
50	5500659	Impr Rel/Dep G-SF	OTHER		$ 204	
50	**5500659**	**Impr Rel/Dep G-SF**	**TOTAL**		$ 870	
50	**5500660**	**Impr Rel/Dep G-SJ**	**TOTAL**		$ 416	
50	**5500661**	**Impr Rel/Dep G-SI**	**TOTAL**		$ 148	
50	5500662	Impr Rel/Dep G-ST	30755040	GRANTLINE & L-2 +	$ 14	$ 792
50	5500662	Impr Rel/Dep G-ST	30756701	Redacted	$ 455	$ 597
50	5500662	Impr Rel/Dep G-ST	OTHER		$ 288	
50	**5500662**	**Impr Rel/Dep G-ST**	**TOTAL**		$ 757	
50	5500663	Impr Rel/Dep G-YO	30742231	MERCED PHASE 3 RELIABILITY	$ 249	$ 333
50	5500663	Impr Rel/Dep G-YO	OTHER		$ 38	
50	**5500663**	**Impr Rel/Dep G-YO**	**TOTAL**		$ 287	
50	**5502643**	**System-wide unscheduled main replacement**	**TOTAL**		$ 87	
50	**5506942**	**Imp Rel / Dep, Gas Services - EB**	**TOTAL**		$ 1,066	
50	**5506943**	**Imp Rel / Dep, Gas Services - MI**	**TOTAL**		$ 433	
50	**5506944**	**Imp Rel / Dep, Gas Svcs - CC**	**TOTAL**		$ 187	
50	**5506945**	**Imp Rel / Dep, Gas Svcs - DA**	**TOTAL**		$ 110	
50	**5506946**	**Imp Rel / Dep, Gas Svcs - DI**	**TOTAL**		$ 421	
50	**5506947**	**Imp Rel / Dep, Gas Svcs - FR**	**TOTAL**		$ 152	
50	**5506948**	**Imp Rel / Dep, Gas Svcs - KE**	**TOTAL**		$ 122	
50	**5506949**	**Imp Rel / Dep, Gas Svcs - NB**	**TOTAL**		$ 462	
50	**5506950**	**Imp Rel / Dep, Gas Svcs - SO**	**TOTAL**		$ 457	
50	**5506951**	**Imp Rel / Dep, Gas Svcs - NV**	**TOTAL**		$ 110	
50	**5506952**	**Imp Rel / Dep, Gas Svcs - PN**	**TOTAL**		$ 460	
50	**5506953**	**Imp Rel / Dep, Gas Svcs - SA**	**TOTAL**		$ 646	
50	**5506954**	**Imp Rel / Dep, Gas Svcs - SF**	**TOTAL**		$ 436	
50	**5506955**	**Imp Rel / Dep, Gas Svcs - SI**	**TOTAL**		$ 348	
50	**5506956**	**Imp Rel / Dep, Gas Svcs - SJ**	**TOTAL**		$ 734	
50	**5506957**	**Imp Rel / Dep, Gas Svcs - ST**	**TOTAL**		$ 207	
50	**5506958**	**Imp Rel / Dep, Gas Svcs - YO**	**TOTAL**		$ 144	
50	**5506959**	**Impr Relb/Sys Depnd-G-CP Sys - CC**	**TOTAL**		$ 61	
50	**5506960**	**Impr Relb/Sys Depnd-G-CP Sys - DA**	**TOTAL**		$ 38	
50	**5506961**	**Impr Relb/Sys Depnd-G-CP Sys - DI**	**TOTAL**		$ 88	
50	**5506962**	**Impr Relb/Sys Depnd-G-CP Sys - EB**	**TOTAL**		$ 92	
50	5506963	Impr Relb/Sys Depnd-G-CP Sys - FR	30766290	OC2 2010 INST ANODES (15) FRESNO DIVISN	$ 363	$ 434
50	5506963	Impr Relb/Sys Depnd-G-CP Sys - FR	OTHER		$ 15	
50	**5506963**	**Impr Relb/Sys Depnd-G-CP Sys - FR**	**TOTAL**		$ 378	
50	**5506964**	**Impr Relb/Sys Depnd-G-CP Sys - KE**	**TOTAL**		$ 16	
50	**5506966**	**Impr Relb/Sys Depnd-G-CP Sys - NB**	**TOTAL**		$ 63	
50	**5506967**	**Impr Relb/Sys Depnd-G-CP Sys - SO**	**TOTAL**		$ 134	
50	**5506968**	**Impr Relb/Sys Depnd-G-CP Sys - NV**	**TOTAL**		$ 85	
50	**5506969**	**Impr Relb/Sys Depnd-G-CP Sys - PN**	**TOTAL**		$ 13	
50	**5506970**	**Impr Relb/Sys Depnd-G-CP Sys - SA**	**TOTAL**		$ 135	
50	**5506971**	**Impr Relb/Sys Depnd-G-CP Sys - SF**	**TOTAL**		$ 20	
50	**5506972**	**Impr Relb/Sys Depnd-G-CP Sys - SI**	**TOTAL**		$ 5	
50	**5506973**	**Impr Relb/Sys Depnd-G-CP Sys - SJ**	**TOTAL**		$ 85	
50	**5506974**	**Impr Relb/Sys Depnd-G-CP Sys - ST**	**TOTAL**		$ 57	
50	**5506975**	**Impr Relb/Sys Depnd-G-CP Sys - YO**	**TOTAL**		$ 29	
50	**5506976**	**Impr Relb/Sys Depnd-G-Oth Equip - CC**	**TOTAL**		$ 18	
50	**5506978**	**Impr Relb/Sys Depnd-G-Oth Equip - DI**	**TOTAL**		$ 161	
50	**5506979**	**Impr Relb/Sys Depnd-G-Oth Equip - EB**	**TOTAL**		$ 110	
50	**5506980**	**Impr Relb/Sys Depnd-G-Oth Equip - FR**	**TOTAL**		$ 2	
50	**5506981**	**Impr Relb/Sys Depnd-G-Oth Equip - KE**	**TOTAL**		$ 2	
50	**5506982**	**Impr Relb/Sys Depnd-G-Oth Equip - MI**	**TOTAL**		-$ 5	
50	**5506983**	**Impr Relb/Sys Depnd-G-Oth Equip - NB**	**TOTAL**		$ 76	
50	**5506984**	**Impr Relb/Sys Depnd-G-Oth Equip - SO**	**TOTAL**		$ 11	
50	**5506985**	**Impr Relb/Sys Depnd-G-Oth Equip - NV**	**TOTAL**		$ 6	
50	5506986	Impr Relb/Sys Depnd-G-Oth Equip - PN	30758821	OC1 INSTLL 400" PL AND ABANDON DR STN 2	$ 278	$ 290
50	5506986	Impr Relb/Sys Depnd-G-Oth Equip - PN	OTHER		$ 17	
50	**5506986**	**Impr Relb/Sys Depnd-G-Oth Equip - PN**	**TOTAL**		$ 295	
50	**5506987**	**Impr Relb/Sys Depnd-G-Oth Equip - SA**	**TOTAL**		$ 19	
50	**5506988**	**Impr Relb/Sys Depnd-G-Oth Equip - SF**	**TOTAL**		$ 152	
50	**5506989**	**Impr Relb/Sys Depnd-G-Oth Equip - SI**	**TOTAL**		-$ 1	
50	**5506990**	**Impr Relb/Sys Depnd-G-Oth Equip - SJ**	**TOTAL**		$ 236	

TABLE 4-2
PACIFIC ELECTRIC AND GAS COMPANY
PROJECTS WITH 2011 EXPENDITURE > $10,000 and FORECAST > $250,000

MWC	Project No	Project No Description	Order	Order Description	$ YTD Actual	$ Order Costs Since Inception
50	**5506991**	**Impr Relb/Sys Depnd-G-Oth Equip - ST**	TOTAL		$ 43	
50	**5506992**	**Impr Relb/Sys Depnd-G-Oth Equip - YO**	TOTAL		$ 23	
50	**5506993**	**Impr Relb/Sys Depnd-G-Regs - CC**	TOTAL		$ 331	
50	5506994	Impr Relb/Sys Depnd-G-Regs - DA	30758394	A-10 Redacted BLOCK VALVE	$ 256	$ 297
50	5506994	Impr Relb/Sys Depnd-G-Regs - DA	OTHER		$ 519	
50	**5506994**	**Impr Relb/Sys Depnd-G-Regs - DA**	TOTAL		$ 776	
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30692911	OC1 G REBUILD Redacted	$ 28	$ 485
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30757351	OC1 G REBUILD DR STA Redacted	$ 19	$ 424
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30757362	OC1 G DR STATION Redacted	$ 11	$ 262
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30812259	REBUILD Redacted	$ 148	$ 344
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30826505	R1 G REBUILD Redacted	$ 26	$ 26
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	OTHER		$ 17	
50	**5506995**	**Impr Relb/Sys Depnd-G-Regs - DI**	TOTAL		$ 248	
50	5506996	Impr Relb/Sys Depnd-G-Regs - EB	30712896	GF Redacted	$ 210	$ 351
50	5506996	Impr Relb/Sys Depnd-G-Regs - EB	OTHER		$ 69	
50	**5506996**	**Impr Relb/Sys Depnd-G-Regs - EB**	TOTAL		$ 279	
50	5506997	Impr Relb/Sys Depnd-G-Regs - FR	30784975	RBLD DR D-36 Redacted	$ 6	$ 42
50	5506997	Impr Relb/Sys Depnd-G-Regs - FR	OTHER		$ 39	
50	**5506997**	**Impr Relb/Sys Depnd-G-Regs - FR**	TOTAL		$ 46	
50	**5506998**	**Impr Relb/Sys Depnd-G-Regs - KE**	TOTAL		$ 18	
50	**5506999**	**Impr Relb/Sys Depnd-G-Regs - MI**	TOTAL		$ 147	
50	**5507000**	**Impr Relb/Sys Depnd-G-Regs - NB**	TOTAL		$ 193	
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	30762547	G REPLACE REG STA R42 Redacted	$ 195	$ 364
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	30785447	GR-UPGRADE R585- Redacted	$ 28	$ 38
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	30803970	R7 12 REPL U25 REG STA / UKIAH	$ 57	$ 82
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	OTHER		$ 19	
50	**5507001**	**Impr Relb/Sys Depnd-G-Regs - SO**	TOTAL		$ 299	
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30753589	R6 GD REBUILD RED Redacted	$ 34	$ 61
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30754754	OC4 R-003 Redacted	$ 275	$ 669
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755085	ORB-006 Redacted	$ 529	$ 686
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755086	ORB-01 Redacted	$ 240	$ 283
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755087	ORB-38 Redacted	$ 62	$ 71
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30774980	D-S REBUILD DR-56 Redacted	$ 254	$ 290
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	OTHER		$ 505	
50	**5507002**	**Impr Relb/Sys Depnd-G-Regs - NV**	TOTAL		$ 1,898	
50	5507003	Impr Relb/Sys Depnd-G-Regs - PN	30741812	R7 C45 Redacted	$ 15	$ 63
50	5507003	Impr Relb/Sys Depnd-G-Regs - PN	30741815	A89 Redacted	$ 22	$ 53
50	5507003	Impr Relb/Sys Depnd-G-Regs - PN	OTHER		$ 686	
50	**5507003**	**Impr Relb/Sys Depnd-G-Regs - PN**	TOTAL		$ 723	
50	5507004	Impr Relb/Sys Depnd-G-Regs - SA	30714055	OC4 Redacted A-62) REG RPL	$ 20	$ 382
50	5507004	Impr Relb/Sys Depnd-G-Regs - SA	30787993	R4 NEW REG STATION - Redacted	$ 38	$ 51
50	5507004	Impr Relb/Sys Depnd-G-Regs - SA	OTHER		$ 157	
50	**5507004**	**Impr Relb/Sys Depnd-G-Regs - SA**	TOTAL		$ 216	
50	5507005	Impr Relb/Sys Depnd-G-Regs - SF	30759576	OC1 G REPL R-11 Redacted	$ 495	$ 820
50	5507005	Impr Relb/Sys Depnd-G-Regs - SF	OTHER		$ 38	
50	**5507005**	**Impr Relb/Sys Depnd-G-Regs - SF**	TOTAL		$ 533	
50	5507006	Impr Relb/Sys Depnd-G-Regs - SI	30799615	R4E REBUILD DR MRC-10, OLIVEHRST	$ 27	$ 30
50	5507006	Impr Relb/Sys Depnd-G-Regs - SI	OTHER		$ 40	
50	**5507006**	**Impr Relb/Sys Depnd-G-Regs - SI**	TOTAL		$ 67	
50	**5507007**	**Impr Relb/Sys Depnd-G-Regs - SJ**	TOTAL		$ 58	
50	**5507008**	**Impr Relb/Sys Depnd-G-Regs - ST**	TOTAL		$ 48	
50	**5507009**	**Impr Relb/Sys Depnd-G-Regs - YO**	TOTAL		$ 7	
50	**5507010**	**Impr Relb/Sys Depnd-G-Valves - CC**	TOTAL		$ 352	
50	**5507012**	**Impr Relb/Sys Depnd-G-Valves - DI**	TOTAL		$ 244	
50	**5507013**	**Impr Relb/Sys Depnd-G-Valves - EB**	TOTAL		$ 216	
50	**5507014**	**Impr Relb/Sys Depnd-G-Valves - FR**	TOTAL		$ 82	
50	**5507015**	**Impr Relb/Sys Depnd-G-Valves - KE**	TOTAL		$ 28	
50	**5507016**	**Impr Relb/Sys Depnd-G-Valves - MI**	TOTAL		$ 355	
50	**5507017**	**Impr Relb/Sys Depnd-G-Valves - NB**	TOTAL		$ 286	
50	**5507018**	**Impr Relb/Sys Depnd-G-Valves - SO**	TOTAL		$ 20	
50	**5507019**	**Impr Relb/Sys Depnd-G-Valves - NV**	TOTAL		$ 148	
50	**5507020**	**Impr Relb/Sys Depnd-G-Valves - PN**	TOTAL		$ 14	
50	**5507021**	**Impr Relb/Sys Depnd-G-Valves - SA**	TOTAL		$ 99	
50	**5507022**	**Impr Relb/Sys Depnd-G-Valves - SF**	TOTAL		$ 400	
50	**5507024**	**Impr Relb/Sys Depnd-G-Valves - SJ**	TOTAL		$ 35	
50	5507025	Impr Relb/Sys Depnd-G-Valves - ST	30762887	R2L REPL VALVES STHP-24 Redacted	$ 398	$ 620
50	5507025	Impr Relb/Sys Depnd-G-Valves - ST	OTHER		$ 324	
50	**5507025**	**Impr Relb/Sys Depnd-G-Valves - ST**	TOTAL		$ 722	
50	**5507026**	**Impr Relb/Sys Depnd-G-Valves - YO**	TOTAL		$ 290	
50	**5508123**	**North Coast Service Replacements**	TOTAL		$ 1	
50	**5509084**	**HB - Impr Rel/Dep G**	TOTAL		$ 106	

TABLE 4-2
PACIFIC ELECTRIC AND GAS COMPANY
PROJECTS WITH 2011 EXPENDITURE > $10,000 and FORECAST > $250,000

MWC	Project No	Project No Description	Order	Order Description	$ YTD Actual	$ Order Costs Since Inception
50	5509085	HB - Impr Rel / Dep. Gas Svcs	TOTAL		$ 82	
50	5509100	HB - Impr Relb/Sys Depnd-G-Regs	30767694	R7 RC REBUILD Redacted	$ 54	$ 81
50	5509100	HB - Impr Relb/Sys Depnd-G-Regs	OTHER		$ 258	
50	5509100	HB - Impr Relb/Sys Depnd-G-Regs	TOTAL		$ 312	
50	5509101	HB - Impr Relb/Sys Depnd-G-CP Sys	TOTAL		$ 27	
50	5509102	HB - Impr Relb/Sys Depnd-G-Valves	TOTAL		$ 21	
50	5509252	Est - Int Est/DesignDist - SCV MWC 50	TOTAL		$ 80	
50	5509277	Mapping - Other Mapping - SCV MWC 50	TOTAL		$ 18	
50	5710899	Imp Rel / Dep, Gas Svcs - DA	TOTAL		$ 145	
50	5710902	Imp Rel / Dep, Gas Svcs - FR	TOTAL		$ 65	
50	5710905	Imp Rel / Dep, Gas Svcs - NB	TOTAL		$ 2	
50	5710910	Imp Rel / Dep, Gas Svcs - SF	TOTAL		$ 13	
50	5710911	Imp Rel / Dep, Gas Svcs - SJ	TOTAL		$ 5	
50	5712641	Impr Relb/Sys Depnd-G-CP Sys - MI	TOTAL		$ 1	
50	5737258	MWC 50 SCV Allocation	TOTAL		-$ 387	
50	5510176	Econ Stim Imp Rel / Dep G Remote CP SA	TOTAL		$ 0	
50	5510239	Econ Stim Impr Rel/Dep G-SA	TOTAL		$ 7	
50	5510240	Econ Stim Impr Rel/Dep G-YO	30814788	R2 MODESTO RELIABILITY PHASE 1 - MODESTO	$ 13	$ 15
50	5510240	Econ Stim Impr Rel/Dep G-YO	OTHER		$ 0	
50	5510240	Econ Stim Impr Rel/Dep G-YO	TOTAL		$ 13	
50 TOTAL					$ 24,253	
52	5500664	Repl Plant Corr G-CC	TOTAL		$ 30	
52	5500665	Repl Plant Corr G-DA	TOTAL		$ 24	
52	5500666	Repl Plant Corr G-DI	TOTAL		$ 6	
52	5500667	Repl Plant Corr G-EB	TOTAL		$ 2	
52	5500670	Repl Plant Corr G-FR	TOTAL		$ 0	
52	5500672	Repl Plant Corr G-KE	TOTAL		$ 0	
52	5500674	Repl Plant Corr G-MI	TOTAL		-$ 2	
52	5500675	Repl Plant Corr G-NB	TOTAL		$ 80	
52	5500737	Repl Plant Corr G - SO	TOTAL		$ 0	
52	5500738	Repl Plant Corr G-NV	TOTAL		-$ 5	
52	5500739	Repl Plant Corr G-PN	TOTAL		$ 33	
52	5500740	Repl Plant Corr G-SA	TOTAL		$ 4	
52	5500741	Repl Plant Corr G-SF	TOTAL		$ 0	
52	5500742	Repl Plant Corr G-SJ	TOTAL		$ 52	
52	5500743	Repl Plant Corr G-SI	TOTAL		$ 2	
52	5500744	Repl Plant Corr G-ST	TOTAL		$ 1	
52	5500745	Repl Plant Corr G-YO	TOTAL		$ 3	
52	5509104	HB - Repl Plant Corr G	TOTAL		$ 1	
52	5509324	Emerg Resp-G-Dig-Ins - HB	TOTAL		$ 62	
52	5509328	Emerg Resp-G-Dig-Ins - NB	TOTAL		$ 19	
52	5509330	Emerg Resp-G-Dig-Ins - PN	TOTAL		$ 30	
52	5509331	Emerg Resp-G-Dig-Ins - SA	TOTAL		$ 12	
52	5509334	Emerg Resp-G-Dig-Ins - SJ	TOTAL		$ 11	
52 TOTAL					$ 366	
2J	5742638	PRESIDIO LNG INJECTION PROJECT, SF	TOTAL		$ 37	
2J	5742639	SBI Gas Distribution Restoration	TOTAL		$ 29	
2J TOTAL					$ 66	
2K	5510222	Econ Stim HPR Convert Main-CC	TOTAL		$ 12	
2K	5510230	Econ Stim HPR Convert Main-NB	TOTAL		$ 2	
2K	5510231	Econ Stim HPR Convert Main-NV	TOTAL		$ 6	
2K	5510232	Econ Stim HPR Convert Main-PN	TOTAL		$ 96	
2K	5510233	Econ Stim HPR Convert Main-SA	TOTAL		$ 2	
2K	5510235	Econ Stim HPR Convert Main-SJ	TOTAL		$ 150	
2K	5510238	Econ Stim HPR Convert Main-ST	30840277	R2 CONVERT Redact DFM TO DISTRIBUTION	$ 12	$ 18
2K	5510238	Econ Stim HPR Convert Main-ST	OTHER		$ 7	
2K	5510238	Econ Stim HPR Convert Main-ST	TOTAL		$ 19	
2K	5510259	Econ Stim HPR Convert Main-YO	TOTAL		$ 4	
2K	5510260	Econ Stim HPR Convert Distr Reg-CC	TOTAL		$ 2	
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	30676390	R1 Redacted	$ 48	$ 191
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	30676310	OC1 Redacted HPR TO DRS	$ 49	$ 669
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	OTHER		$ 2	
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	TOTAL		$ 99	
2K	5510271	Econ Stim HPR Convert Distr Reg-SA	TOTAL		$ 9	
2K	5510273	Econ Stim HPR Convert Distr Reg-SJ	TOTAL		$ 0	
2K	5510275	Econ Stim HPR Convert Distr Reg- SO	TOTAL		$ 0	
2K	5510277	Econ Stim HPR Convert Distr Reg-YO	TOTAL		$ 1	
2K	5510280	Econ Stim HPR Replacement-DA	TOTAL		$ 133	
2K	5510283	Econ Stim HPR Replacement-FR	TOTAL		$ 11	
2K	5510285	Econ Stim HPR Replacement-KE	TOTAL		$ 1	
2K	5510287	Econ Stim HPR Replacement-NB	TOTAL		$ 125	

TABLE 4-2
PACIFIC ELECTRIC AND GAS COMPANY
PROJECTS WITH 2011 EXPENDITURE > $10,000 and FORECAST > $250,000

MWC	Project No	Project No Description	Order	Order Description	A YTD Actual	B Order Costs Since Inception
2K	5510288	Econ Stim HPR Replacement-NV	TOTAL		$ 9	
2K	5510290	Econ Stim HPR Replacement-SA	TOTAL		$ 3	
2K	5510292	Econ Stim HPR Replacement-SJ	TOTAL		$ 16	
2K	5510293	Econ Stim HPR Replacement-SI	TOTAL		$ 0	
2K	5510295	Econ Stim HPR Replacement-ST	TOTAL		$ 62	
2K TOTAL					$ 761	
TOTAL					$ 91,361	

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 from January 1 through June 30, 2011, on gas distribution pipeline safety, reliability and integrity.

TABLE 5-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF EXPENSE SPENDING ON O&M FOR SAFETY, INTEGRITY AND RELIABILITY
(IN THOUSANDS OF 2011 DOLLARS)

MWC	MWC Description	Actuals 1/1 - 6/30
DE	Leak Survey	9,669
DF	Mark & Locate - G&E	12,823
DG	Cathodic Protection	5,101
EX	Meter Protection-Inspect&Corr	28
FG	Opr Distribution Sys - Gas	1,756
FH	Preventive Maintenance Gas	14,026
FI	Perf Maint to Corr Fail - Gas	18,738
GF	Opr Distribution Sys - Gas Map	474
GG	Opr Distribution Sys - Gas Eng	890
JS	G Dist Integrity Mgt Pgm (DIMP)	5,957
KF	GT&D Impl Regulatory Change	319
Gas Distribution Expense		**69,782**

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 6-1 (Actuals) and shows the difference between year-to-date spending and the 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 year-to-date spending and the 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 2011 DOLLARS)

MWC	MWC Description	Budget	Settlement Agreement Allocation	Actuals 1/1 - 6/30	Difference Between Allocation and Actuals
DE	Leak Survey	18,609	15,482	9,669	5,813
DF	Mark & Locate - G&E	26,978	29,902	12,823	17,079
DG	Cathodic Protection	8,748	10,757	5,101	5,656
EX	Meter Protection-Inspect&Corr	199	1,200	28	1,172
FG	Opr Distribution Sys - Gas	3,038	3,945	1,756	2,189
FH	Preventive Maintenance Gas	19,173	16,924	14,026	2,898
FI	Perf Maint to Corr Fail - Gas	39,550	35,656	18,738	16,917
GF	Opr Distribution Sys - Gas Map	934	1,600	474	1,126
GG	Opr Distribution Sys - Gas Eng	3,070	3,060	890	2,170
JS	G Dist Integrity Mgt Pgm (DIMP)	19,500	19,500	5,957	13,543
KF	GT&D Impl Regulatory Change	367	0	319	-319
Gas Distribution Expense		**140,166**	**138,026**	**69,782**	**68,243**

TABLE 6-2
PACIFIC GAS AND ELECTRIC COMPANY
COMPARISON OF CAPITAL SPENDING TO SETTLEMENT AGREEMENT ALLOCATION
(IN THOUSANDS OF 2011 DOLLARS)

MWC	MWC Description	Budget	Settlement Agreement Allocation	Actuals 1/1 - 6/30	Difference Between Allocation and Actuals
14	Gas Pipeline Replacement Pgm	123,707	123,266	60,962	62,304
27	Gas Meter Protection-Capital	332	593	0	593
47	G Dist New Capacity - Gas	12,000	12,760	4,953	7,807
50	G Dist Reliability	39,390	20,660	24,253	-3,593
52	G Dist Emergency Response	702	264	366	-102
2J	GT&D Impl Regulatory Change	0	0	66	-66
2K	G Cust HPR	15,000	0	761	-761
Gas Distribution Capital		**191,131**	**157,543**	**91,361**	**66,182**

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 detail on the units of work and expected spending included in PG&E's budget, the actual data for this reporting period on units of work completed and spending, 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 calendar year 2011.

Table 7-2 identifies the status of capital projects. The construction of a number of projects reflected in Table 7-2 were 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 were 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 five stages of progress: Complete, Documentation, Construction, Pre-Construction and Design. 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
Complete	Projects that do not expect to have any more construction labor charges and have documentation completed.	38
Documentation	Projects that do not anticipate anymore construction charges but still require documentation, such as as-builts and job closure documents.	17
Construction	Projects that are currently being constructed.	48
Pre-Construction	Projects that are being evaluated for financial authorization or pending third-party permits.	19
Design	Projects that are currently being engineered or estimated.	2
	Total	124

TABLE 7-1
PACIFIC GAS AND ELECTRIC COMPANY
GAS DISTRIBUTION O&M PROGRESS BY CATEGORY
(IN THOUSANDS OF 2011 DOLLARS)

		2011 Budget		2011 Actual Through June		2011 YTD Progress
Work Category	Unit of Measure	Units	Budget	Units	Actual	% Complete Units
Routine Leak Survey[1]	Services Surveyed	735,000	$ 10,618	298,395	$ 5,230	40.6%
Special Leak Survey	Miles Surveyed	1,008	$ 7,991	660	$ 4,439	65.5%
MWC DE Total			**$ 18,609**		**$ 9,669**	
General			$ 800		$ 423	
Mark & Locate	USA Tags	503,423	$ 26,178	245,321	$ 12,399	48.7%
MWC DF Total			**$ 26,978**		**$ 12,823**	
Cathodic Protection (CP) Monitoring	Pipe-to-Soil Measurements Taken	55,437	$ 3,372	29,687	$ 1,863	53.6%
CP Resurveying	CP Areas Resurveyed	391	$ 829	170	$ 594	43.5%
CP Troubleshooting	CP Areas Diagnosed	2,068	$ 3,049	1,703	$ 2,168	82.4%
CP Isolated Services	Isolated Services Evaluated	13,469	$ 898	344	$ 19	2.6%
CP Field Support			$ 600		$ 457	
MWC DG Total			**$ 8,748**		**$ 5,101**	
Meter Protection - Posts	Meter Sites	98	$ 199	31	$ 28	31.6%
MWC EX Total			**$ 199**		**$ 28**	
General			$ 345		$ 135	
Gas System Monitoring (Pressure Charts)	Number of Operations	24,722	$ 2,142	14,258	$ 1,307	57.7%
Gas System Operations (Winter Ops)	Number of Operations	1,798	$ 551	1,020	$ 314	56.7%
MWC FG Total			**$ 3,038**		**$ 1,756**	

TABLE 7-1
PACIFIC GAS AND ELECTRIC COMPANY
GAS DISTRIBUTION O&M PROGRESS BY CATEGORY
(IN THOUSANDS OF 2011 DOLLARS)
(CONTINUED)

		2011 Budget		2011 Actual Through June		2011 YTD Progress
Work Category	Unit of Measure	Units	Budget	Units	Actual	% Complete Units
General			$ 757		$ 703	
Regulator Station Maintenance	Regulator Station Runs Maintained	3,167	$ 4,846	3,006	$ 2,920	94.9%
Misc. Maintenance of Mains	Feet of Main Maintained	5,400	$ 949	1,462	$ 663	27.1%
Misc. Maintenance of Services	No. of Services Maintained	2,483	$ 1,648	1,099	$ 1,322	44.3%
Distribution Valve Maintenance	Distribution Valves Maintained	6,805	$ 1,339	3,767	$ 670	55.4%
Service Valve Replacements	Service Valves Replaced	7,505	$ 1,859	4,672	$ 917	62.3%
Atmospheric Corrosion Inspections/Repairs[2]	Above Ground Locations Inspected	3,352,781	$ 7,775	3,442,129	$ 6,645	102.7%
Non-Recurring Project (Safety Enhancements)			0		$ 187	
MWC FH Total			**$ 19,173**		**$ 14,026**	
Main Leak Repairs	Leaks Repaired	1,816	$ 10,822	1,136	$ 6,173	62.6%
Service Leak Repairs	Leaks Repaired	15,414	$ 22,863	6,314	$ 9,153	41.0%
Main Dig-in Repairs	Dig-In Leaks Repaired	216	$ 241	23	$ (185)	10.6%
Service Dig-in Repairs	Dig-In Leaks Repaired	990	$ 590	272	$ 125	27.5%
Cathodic Protection Restoration	Corrosion Work Tags Completed	1,329	$ 2,356	791	$ 1,356	59.5%
Regulator Station Repairs	Regulator Station Repairs	1,079	$ 1,977	671	$ 1,678	62.2%
Valve Repair	Valves Repaired	331	$ 700	149	$ 438	45.0%
MWC FI Total			**$ 39,550**		**$ 18,738**	
Gas Mapping			$ 934		$ 474	
MWC GF Total			**$ 934**		**$ 474**	
General			$ 225		$ -	
Gas Planning[3]			$ 2,845		$ 890	
MWC GG Total			**$ 3,070**		**$ 890**	
DIMP Related Activities			$ 19,500		$ 5,957	
MWC JS Total			**$ 19,500**		**$ 5,957**	
GT&D Impl Regulatory Change			$ 367		$ 319	
MWC KF Total			**$ 367**		**$ 319**	

Notes:

1. In the 2011 GRC Exhibit 3, Chapters 17 and 18, MWC DE routine survey forecasted units as miles surveyed. The GRC forecast units have been converted to number of services. Since the current tracking distribution survey is captured by number of services, subsequent reports will use services for routine survey units.
2. MWC FH originally included Atmospheric Corrosion correction on meters. An improved process was implemented and this work is now being accounted for under MWC JS DIMP. This change in MWC designation will be reflected in the next reporting period.
3. MWC GG consists of costs associated with the Gas Distribution Planning Engineers. An accounting error occurred within this reporting period that will be reversed in the second half of the year.

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

Line No:	Project Status	Order Number	Project Name	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
1	Complete	30829626	OC1 E G GPRP Redacted	3/10/11	2/16/11	5/9/11	
2	Complete	30815779	OC1 G GPRP Redacted	1/26/11	12/10/10	7/11/11	
3	Complete	30807801	OC1 G GPRP Redacte	1/3/11	10/29/10	6/30/11	
4	Complete	30805155	GP Redacted	10/15/10	9/24/10	10/26/10	
5	Complete	30804481	OC1 GPR Redacted	1/25/11	11/20/10	5/10/11	
6	Complete	30793853	OC2 REPL. MAIN Redacted	10/20/10	9/27/10	3/24/11	
7	Complete	30789549	OC1 Redacted	10/4/10	8/11/10	5/12/11	
8	Complete	30786843	OC1 RH-06-INSTALL DR Redacted	8/2/10	7/19/10	3/11/11	
9	Complete	30784111	OC2 CAPACITY INCREASE Redacted	7/20/10	7/26/10	3/17/11	
10	Complete	30783043	OC1 Redacted	7/21/10	7/12/10	2/17/11	
11	Complete	30766290	OC2 2010 INST ANODES (15) FRESNO DIVISN	6/7/10	5/12/10	4/27/11	
12	Complete	30762994	OC4 GD CAPACITY Redacted	3/22/10	3/12/10	10/28/10	
13	Complete	30761621	OC1 GREPL 6"STLHP Redacted	5/3/10	4/6/10	4/22/11	
14	Complete	30760327	OC1 REPL 700' OF 2" WITH 2"PL ESPL. PAC	9/13/10	9/7/10	11/17/10	
15	Complete	30759576	OC1 G REPL R-11 Redacted	3/29/10	2/25/10	6/24/11	
16	Complete	30759573	OC1 GREPL MAIN Redacted	3/29/10	2/26/10	7/21/11	
17	Complete	30758821	OC1 INSTLL 400" PL AND ABANDON DR STN 2	4/1/10	5/5/10	6/8/11	
18	Complete	30757362	OC1 G DR STATION Redacted	3/24/10	2/11/10	1/10/11	
19	Complete	30754774	OC1 G GPRP Redacted	6/2/10	2/1/10	1/31/11	
20	Complete	30754768	OC1 G GPRP Redacted	7/19/10	1/22/10	1/14/11	
21	Complete	30753677	OC1 G GPRP Redacted	7/1/10	4/21/10	1/12/11	
22	Complete	30751625	OC4 GP RM REPL Redacted	9/1/10	1/6/10	12/1/10	
23	Complete	30749119	GPCAPACITY:6"HP PARALLEL Redacted	2/9/10	12/16/09	11/1/10	
24	Complete	30747707	OC1 Redacted INSTALL 4100 FT O	3/8/10	1/20/10	3/18/11	
25	Complete	30742428	OC4 INST 1700FT 6-IN PL Redacted	11/10/09	11/13/09	6/17/11	
26	Complete	30741372	OC2 GPRP Redacted PHASE 2	1/11/10	11/4/09	12/20/10	
27	Complete	30740781	OC4 Redacted - INSTL R	1/4/10	12/1/09	5/13/11	
28	Complete	30737291	OC4 GPRP Redacted	4/19/10	10/14/09	2/11/11	
29	Complete	30737244	OC4 GPRP Redacted	9/1/10	10/14/09	10/29/10	
30	Complete	30714055	OC4 Redacted A-62) REG RPL	7/23/09	5/29/09	6/27/11	
31	Complete	30692911	OC1 G REBUILD Redacted	3/30/09	2/23/09	1/31/11	
32	Complete	30675123	OC2 G 1,270-FT 4"PL Redacted	4/1/10	12/23/08	4/5/11	
33	Complete	30674922	OC1 G GPRP Redacted	5/10/10	12/8/09	3/1/11	
34	Complete	30674899	OC1 G GPRP Redacted	7/1/10	12/8/08	3/10/11	
35	Complete	30649246	OC1 GPRP Redacted	5/28/10	2/18/09	11/30/10	
36	Complete	30616134	OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE	2/8/10	10/22/08	2/10/11	
37	Complete	30616130	OC4 GP PRP Redacted	3/2/09	10/21/08	1/26/11	
38	Complete	30616128	OC4 G PRP Redacted	3/2/09	10/21/08	11/19/10	
39	Documentation	30835636	OC4 GD GPRP Redacted	2/16/11	2/18/11	6/17/11	
40	Documentation	30807861	OC1 GPRP Redacted	10/25/10	10/14/10		8/8/11
41	Documentation	30807391	Redacted	11/4/10	12/11/10		8/5/11
42	Documentation	30806816	OC1 R4E G GPRP Redacted	10/1/10	10/16/10		8/1/11
43	Documentation	30798844	INST. 1050' OF 6" PL Redacted	1/12/11	10/15/10	6/13/11	
44	Documentation	30797736	Redacted	10/4/10	8/24/10	5/2/11	
45	Documentation	30762887	R2L REPL VALVES STHP-24 Redacted	10/18/10	3/10/10	8/4/11	
46	Documentation	30758394	A-10 Redacted BLOCK VALVE	7/2/10	8/14/10	3/7/11	
47	Documentation	30757861	R2 INST 17000 FT OF 8" PL MAIN FRESNO	4/28/10	3/25/10	3/9/11	
48	Documentation	30757351	OC1 G REBUILD DR STA Redacted	3/16/10	2/11/10	12/7/10	
49	Documentation	30756701	Redacted	6/25/10	2/4/10	4/7/11	
50	Documentation	30755040	GRANTLINE & L-2 +	3/10/10	1/25/10	10/4/10	
51	Documentation	30754754	OC4 R-003 Redacted	4/13/10	2/10/10		7/28/11
52	Documentation	30753678	G Redacted	6/17/10	1/15/10	3/11/11	

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

Line No:	Project Status	Order Number	Project Name	Planned Construction Start Date	Actual Construction Start Date	Actual Construction Finish Date	Forecasted Construction Finish Date
53	Documentation	30750011	WEST FRESNO GPRP 2010	1/12/10	2/2/10	1/21/11	
54	Documentation	30680560	G [redacted] GPRP	2/19/09	12/23/08	3/8/10	
55	Documentation	30668852	GPRP [redacted] PHAS	2/17/09	11/5/08	6/29/11	
56	Construction	30846074	GP [redacted]	4/22/11	4/29/11		7/13/11
57	Construction	30840277	R2 CONVERT [redacted] DFM TO DISTRIBUTION	5/2/11	3/16/11		6/18/2012
58	Construction	30835701	GPRP [redacted]	1/5/11	3/4/11		10/28/11
59	Construction	30829620	M GPRP - CONGO 1 - SF	1/24/11	4/13/11		12/30/11
60	Construction	30827211	GP RM [redacted]	1/18/11	1/8/11		12/29/11
61	Construction	30823194	M GPRP [redacted]	12/17/10	2/17/11		10/21/11
62	Construction	30821601	R1 E G GPRP [redacted]	1/18/11	3/31/11		1/12/12
63	Construction	30821410	G GPRP [redac]	2/22/11	4/6/11		3/27/12
64	Construction	30820811	OC1 MAIN REINFORC - [redacted]	2/24/11	1/26/11		7/23/11
65	Construction	30820364	R4 G GPRP [redact]	12/6/10	1/5/11		11/30/11
66	Construction	30820278	G GPRP [redacted]	12/6/10	3/14/11		6/26/12
67	Construction	30814275	R2L GP [redacted] GPRP	1/3/11	11/23/10		11/10/11
68	Construction	30813057	G RM REPL MAIN [redacted]	12/2/10	12/7/10		6/30/11
69	Construction	30813051	GP REPL [redacted]	12/13/10	12/30/10		8/31/11
70	Construction	30812259	REBUILD [redacted] DR STATION	12/8/10	1/6/11		8/19/11
71	Construction	30810294	BERKELEY GPRP - PHASE 2 [redacted]	10/18/10	11/1/10		9/30/11
72	Construction	30810188	REBLD DR MRC-12 [redacted]	3/3/11	10/21/10		9/1/11
73	Construction	30808712	[redacted]	12/7/10	11/6/10		9/18/11
74	Construction	30808590	GPRP [redacted]	1/18/11	2/11/11		11/30/11
75	Construction	30808261	R4E G GPRP [redacted]	11/1/10	12/17/10		12/22/11
76	Construction	30808260	G GPRP [redacted]	10/8/10	11/30/10		12/22/11
77	Construction	30808157	G GPRP [redacted]	1/3/11	11/20/10		12/29/11
78	Construction	30808140	G GPRP [redacted]	10/8/10	11/20/10		11/30/11
79	Construction	30808096	G GPRP [redacte]	10/8/10	10/25/10		12/30/11
80	Construction	30807977	G GPRP [redacted]	10/7/10	11/23/10		12/22/11
81	Construction	30807430	[redacted]	12/13/10	4/13/11		11/25/2011
82	Construction	30806817	R4E GPRP [redacted]	9/29/10	10/25/10		8/12/2011
83	Construction	30806814	G GPRP [redact]	10/1/10	10/19/10		12/22/2011
84	Construction	30806806	M027972GPRP OUTER MISSION 2	9/24/10	10/19/10		9/30/2011
85	Construction	30804511	REPL LP GPRP [redacted]	1/3/11	11/30/10		12/30/2011
86	Construction	30801105	G [redacte] GPRP, SJ	10/8/10	9/21/10		12/30/2011
87	Construction	30797133	G CAP_REG 118 REBUILD_YOUNTVILLE	9/22/10	8/19/10		3/22/2012
88	Construction	30796765	HOOVER GPRP (2011 CRITICAL PROJECT)	9/17/10	10/12/10		11/29/2011
89	Construction	30795703	[redacted]	1/3/11	2/10/11		10/14/2011
90	Construction	30787989	INST DUAL DR. STATION [redacted]	8/31/10	8/2/10		4/27/2011
91	Construction	30785447	GR-UPGRADE R585 [redacted]	9/10/10	8/20/10		9/5/2011
92	Construction	30783042	[redacted]	7/16/10	8/27/10		8/31/2011
93	Construction	30774980	D-S REBUILD DR-56 [redacted]	5/31/10	12/8/10		6/17/2011
94	Construction	30762547	G REPLACE REG STA R42 [redacted]	4/5/10	10/15/09		1/28/2011
95	Construction	30755086	ORB-01 [redacted]	8/16/10	2/8/10		9/30/2011
96	Construction	30755085	ORB-006 [redacted]	5/17/10	2/8/10		7/20/2011
97	Construction	30749118	GPCAPACITY:6"HP [redacted]	5/4/10	12/16/09		10/1/2011
98	Construction	30746089	PH [redacted] GPRP--2010	4/27/10	12/1/09		3/21/2011
99	Construction	30742231	MERCED PHASE 3 RELIABILITY	4/20/10	11/9/09		6/10/2011
100	Construction	30741815	A89 [redacted]	8/6/10	11/18/09		12/31/2011
101	Construction	30736194	OC1 GPRP REDWOOD CITY	1/11/10	1/20/10		5/16/2011
102	Construction	30712896	GP [redacted]	5/21/09	11/24/09		12/31/2010
103	Construction	30676310	OC [redacte] HPR TO DRS	8/13/09	12/8/08		7/5/11
104	Pre-construction	30833648	[redacted]	5/9/11			10/21/2011
105	Pre-construction	30826697	R4 GD REBUILD DR# [redacte]	3/7/11			11/10/2011
106	Pre-construction	30826696	GD GPRP [redacted]	3/11/11			12/29/2011
107	Pre-construction	30826505	R1 G REBUILD [redacted]	1/17/11			3/1/2012
108	Pre-construction	30814788	R2 MODESTO RELIABILITY PHASE 1 - MODESTO	2/14/11			3/16/2012
109	Pre-construction	30813671	REBUILD [redacted]	1/19/11			11/30/2011
110	Pre-construction	30810993	R4_ RPL [redacted]	3/28/11			11/23/2011
111	Pre-construction	30803970	R7 12 REPL U25 REG STA / UKIAH	2/1/11			2/29/2012
112	Pre-construction	30790929	R2 [redacted]	8/17/10			10/7/2011
113	Pre-construction	30787993	R4 NEW REG STATION - [redacted]	9/13/10			11/16/2011
114	Pre-construction	30784975	RBLD DR D-36 [redacted]	12/31/10			7/27/2011
115	Pre-construction	30767694	R7 RC REBUILD REGULATOR [redacted]	8/30/10			10/31/2012
116	Pre-construction	30761915	=P RM REPL [redacted]	5/25/10			9/23/2011
117	Pre-construction	30755087	ORB-38 [redacted]	7/23/10			5/25/2012
118	Pre-construction	30753589	R6 GD REBUILD [redacted]	5/10/10			3/30/2012
119	Pre-construction	30679554	G RM [redacted]	2/3/09			3/30/2012
120	Pre-construction	30679552	G RM [redacted]	1/8/09			10/28/2011
121	Pre-construction	30676477	R2 INSTALL DRS [redacted]	3/23/09			12/30/2011
122	Pre-construction	30676390	R1 [redacted]	5/15/09			9/30/2011
123	Design	30799615	R4E REBUILD DR MRC-10 [redact]	11/29/10			9/28/2012
124	Design	30741812	R7 C45 [redacted] FILTER, RTA	3/15/10			10/31/2011

8. Completed Capital Project Cost

Request

Total costs of each completed capital project

Response

The 38 capital projects that were completed from January 1 to June 30, 2011, are listed in Table 8-1. As explained previously, a completed project will have construction complete, documentation complete, and no longer expects labor charges.

TABLE 8-1
PACIFIC GAS AND ELECTRIC COMPANY
COSTS FOR COMPLETED PROJECTS
(IN THOUSANDS OF 2011 DOLLARS)

Order Number	Project Description	Cost (1/1/2011 to 6/30/2011)	Cost Since Inception Ending 6/30/2011
30616128	OC4 G PRP Redacted	$ 26.55	$ 491.42
30616130	OC4 GP PRP Redacted	$ 63.47	$ 718.35
30616134	OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE	$ 167.89	$ 1,703.30
30649246	OC1 GPRP Redacted	$ 19.94	$ 2,087.84
30674899	OC1 G GPRP Redacted	$ 68.32	$ 1,608.69
30674922	OC1 G GPRP Redacted	$ 82.97	$ 4,099.49
30675123	OC2G 1,270-FT4"PL Redacted	$ 94.06	$ 281.25
30692911	OC1 G REBUILD Redacted	$ 28.19	$ 484.75
30714055	OC4 Redacted (A-62) REG RPL	$ 20.48	$ 381.78
30737244	OC4 GPRP Redacted	$ 37.02	$ 391.62
30737291	OC4 GPRP Redacted	$ 85.41	$ 1,073.09
30740781	OC4 Redacted - INSTLR	$ 173.72	$ 409.98
30741372	OC2 GPRP Redacted	$ 35.31	$ 753.95
30742428	OC4 INST 1700FT 6-IN PL Redacted	$ 386.24	$ 572.20
30747707	OC1 Redacted INSTALL 4100 FT O	$ 140.69	$ 1,186.00
30749119	GPCAPACITY:6"HP PARALLEL Redacted	$ 30.98	$ 770.65
30751625	OC4 GP RM REPL Redacted	$ 50.39	$ 626.01
30753677	OC1 G GPRP Redacted	$ 263.86	$ 2,950.88

TABLE 8-1
PACIFIC GAS AND ELECTRIC COMPANY
COSTS FOR COMPLETED PROJECTS
(IN THOUSANDS OF 2011 DOLLARS)
(CONTINUED)

Order Number	Project Description	Cost (1/1/2011 to 6/30/2011)	Cost Since Inception Ending 6/30/2011
30754768	OC1 G GPRP Redacted	$ 238.81	$ 1,439.37
30754774	OC1 G GPRP	$ 334.06	$ 3,242.10
30757362	OC1 G DR STATION Redacted	$ 11.31	$ 261.97
30758821	OC1 INSTLL 400" PL AND ABANDON DR STN 2	$ 277.82	$ 290.23
30759573	OC1 GREPL MAIN Redacted	$ 489.08	$ 631.37
30759576	OC1 G REPL R-11 Redacted	$ 495.03	$ 820.47
30760327	OC1 REPL 700' OF 2" WITH 2"PL ESPL. PAC	$ 35.66	$ 244.24
30761621	OC1 GREPL 6"STLHP Redacted	$ 122.38	$ 792.74
30762994	OC4 GD CAPACITY Redacted	$ 18.11	$ 521.13
30766290	OC2 2010 INST ANODES (15) FRESNO DIVISN	$ 362.71	$ 434.06
30783043	OC1 Redacted	$ 396.59	$ 457.76
30784111	OC2 CAPACITY INCREASE Redacted	$ 24.70	$ 571.19
30786843	OC1 RH-06-INSTALL DR Redacted	$ 142.00	$ 1,016.08
30789549	OC1 BYRON MAIN EXTENSION - Redacted	$ 754.16	$ 806.11
30793853	OC2 REPL. MAIN Redacted	$ 23.58	$ 331.71
30804481	OC1 GPRP Redacted	$ 408.36	$ 408.77
30805155	GP Redacted	$ 183.36	$ 343.61
30807801	OC1 G GPRP Redacted	$ 2,839.06	$ 2,847.79
30815779	OC1 G GPRP Redacted	$ 357.74	$ 488.81
30829626	OC1 E G GPRP Redacted	$ 499.34	$ 500.78

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 2011 DOLLARS)

MWC	MWC Description	M&O Expense	Payroll Taxes	Benefits	Total For MWC
DE	Leak Survey	8,227	429	1,013	9,669
DF	Mark & Locate - G&E	10,655	652	1,515	12,823
DG	Cathodic Protection	4,214	255	632	5,101
EX	Meter Protection-Inspect&Corr	24	1	3	28
FG	Opr Distribution Sys - Gas	1,440	90	226	1,756
FH	Preventive Maintenance Gas	11,981	608	1,437	14,026
FI	Perf Maint to Corr Fail - Gas	15,978	821	1,920	18,738
GF	Gas Dist Mapping	371	28	75	474
GG	Opr Distribution Sys - Gas Eng	693	45	152	890
JS	Gas Dist Integrity Management	5,438	140	379	5,957

TABLE 9-2
PACIFIC GAS AND ELECTRIC COMPANY
A&G TAXES IN CAPITAL
RECORDED CAPITALIZED A&G BY MWC
(IN THOUSANDS OF 2011 DOLLARS)

MWC	MWC Description	Capitalized A&G	Total For MWC
14	G Dist Pipeline Repl Program	4,482	60,962
27	Gas Meter Protection - Capital	-	-
47	G Dist Capacity	416	4,953
50	G Dist Reliability General	2,328	24,253
52	G Dist Leak Repl/Emergency	30	366

10. 2011 GRC Forecasted Capital Project Status

Request

Identify whether capital projects forecasted in A.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 forecasted in Application 09-12-020. The table shows (i) units of work (where applicable) and costs forecasted in the GRC, (ii) actual units of work undertaken (where applicable) and costs incurred for this reporting period, and (iii) a mid-year update on units of work forecast to be completed and costs to be spent by the end of the year.

TABLE 10-1
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY GAS DISTRIBUTION CAPITAL PROGRAMS GRC FORECAST, ACTUALS AND YEAR END COMPARISON
(IN THOUSANDS OF 2011 DOLLARS)

		2011 GRC Forecast[1]			2011 Actual Through June			2011 Full Year Forecast[2]		
Work Category	**Unit of Measure**	Units	Unit Cost ($)	Forecast ($)	Units[3]	Unit Cost ($)	Actuals ($)	Units	Unit Cost ($)	Forecast ($)
Gas Pipeline Replacement (GPRP)	Ft of Main Installed	185,044	472	87,305	67,237	547	36,776	123,707	571	70,628
Copper Service (CSRP)	Services Replaced	6,500	6,707	43,595	3,037	7,964	24,186	7,000	6,904	48,329
MWC 14 GPRP Total				**130,900**			**60,962**			**118,957**
Capacity Main Install	Ft of Main Installed	55,000	151	8,320	38,614	96	3,698	37,898	271	10,252
Capacity Reg Station	Reg Station Installed	11	338,182	3,720	2	568,493	1,137	11	355,182	3,907
Capacity Miscellaneous				1,510			118			341
MWC 47 Capacity Total				**13,550**			**4,953**			**14,500**
Main Replace	Ft of Main Installed	4,500	493	2,220	12,984	345	4,479	25,773	493	12,706
Service Replace	Services Replaced	740	8,533	6,315	701	8,880	6,225	1,159	8,533	9,890
Regulator Station	Reg Station	24	244,414	5,866	36	179,898	6,476	141	80,759	11,387
Cathodic Protection				2,350			1,384			1,912
Miscellaneous[4]				1,677			5,688			4,745
Electronic Pressure Monitor[4]	Units Monitored	220	5,000	1,100	19	–[5]		19	–[5]	
CP Remote Monitor[4]	Pipe-to-Soil Reads	1,723	1,400	2,412				300	3,333	1,000
MWC 50 Reliability Total				**21,940**			**24,253**			**41,640**
Meter Protection Relocations (MPP)	Services Relocated	76	8,289	630	0		0	40	8,289	332
MWC 27 MPP Total				**630**			0			332
MWC 52 Emergency Response Total				**280**			**366**			**656**
MWC 2J GT&D Impl Reg Change Total							**66**			**66**
Cust High Pressure Reg (HPR)	HPR Replace/Remove						761	500	30,000	15,000
MWC 2K HPR Total							**761**			**15,000**
Total				**167,300**			**91,361**			**191,151**

[1] 2011 GRC Forecast based on 2011 GRC Testimony Exhibit 3 Chapter 19.

[2] 2011 Full Year Forecast based on mid-year forecast.

[3] 2011 Actual Units are based on projects with completed documentation.

[4] MWC 50 Miscellaneous includes various actual costs such as Electronic Pressure Monitoring and CP Remote Monitor.

[5] See narrative discussion on this item.

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 expects to spend over $23 million more than the capital forecasted in GRC Application 09-12-020 for gas distribution pipeline safety, integrity and reliability-related capital programs. Specifically, PG&E expects to spend more on capacity, reliability main and service replacements and regulator stations than forecasted in Application 09-12-020. However, PG&E expects to spend less than originally forecast on GPRP, Cathodic Protection (CP), Electronic Pressure Monitoring, CP Remote Monitoring and Meter Protection.

MWC 14 – Gas Pipeline Replacement Program. In PG&E's 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 plans to spend $16.7 million less than the Application 09-12-020 forecast. The decreased GPRP spending in 2011 compared to the original GRC forecast is being offset by increased spending on CSRP, reliability main replacements with equivalent priorities to GPRP, and reliability regulator stations. PG&E plans to spend $20.7 million more than forecasted in Application 09-12-020 for CSRP, reliability main replacements, and regulator stations. Though PG&E does not expect to spend the GPRP full amount forecast in Application 09-12-020, PG&E does expect to spend more on GPRP than allocated in the Settlement Agreement. PG&E expects to request additional funding in a future rate case for GPRP, but this funding would supplement, rather than replace, the funding received through the Settlement Agreement.

MWC 50 – Cathodic Protection. This work category involves replacing or installing new anodes. This work is expected to be completed as required.

MWC 50 – Electronic Pressure Monitoring Program. Spending in the Electronic Pressure Monitoring Program has been delayed to assess optimal technologies for this program. Existing pressure recorders are being replaced as required with the currently approved electronic technology, but the systematic

program to replace these units has been delayed pending the assessment of technologies. PG&E may seek additional funding for this program in a future rate.

MWC 50 – CP Remote Project. The CP Remote Project is being piloted this year for system-wide deployment in subsequent years. Depending on the results of the pilot, PG&E may seek additional funding for this program in a future rate case.

MWC 27 – Meter Protection. The reduced spending on meter protection is being offset by higher spending on higher priority safety-related work. PG&E may still complete the planned meter protection work within the 2011-2013 rate case cycle and thus, at this time, PG&E does not know whether it will seek additional funding in a future rate case.

11. 2011 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 planned to be undertaken for 2011 are set forth in Table 17-1. Table 17-1, Column 17A (Project Name) lists all the capital projects planned to be undertaken in 2011.

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

PG&E has included in Tables 12-1 and 12-2 information responsive to this request for those projects where PG&E is able to determine, as of June 30, 2011 that it will likely not spend the annual allocated amount by the end of the year. In total, PG&E expects to spend in excess of the 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 2011 DOLLARS)

MWC	MWC Description	Budget	GRC (2011 Settlement Agreement Allocation)	Actual (as of 6/30/11)	Difference (Settlement Agreement Allocation - Actual)	Explanation
DE	Leak Survey	$18,609	$15,482	$9,669	$5,813	Spending planned to exceed Settlement Agreement.
DF	Mark and Locate	26,978	29,902	12,823	17,079	Decrease primarily due to a reduction in the forecasted volume of Underground Service Alert requests due to the slow down of third-party construction. Forecast volume changes year over year primarily based on the economy.
DG	Cathodic Protection	8,748	10,757	5,101	5,656	Forecast has been revised and spending is planned to exceed Settlement Agreement.
EX	Meter Protection	199	1,200	28	1,172	Decrease primarily due to decision not to pursue non-critical meter protection work in 2011 to support higher priority work. PG&E anticipates completing the program before or by the original proposed target time in 2016.
FG	Operate Gas Distribution System	3,038	3,945	1,756	2,189	Decrease due to a reduction in general support costs for Gas Distribution operations.
FH	Gas Distribution Preventative Maintenance	19,173	16,924	14,026	2,898	MWC FH originally included Atmospheric Corrosion correction on Meters. An improved process is being implemented and this work is now being accounted for under MWC JS (DIMP). This will be reflected in the next reporting period. Based on May forecast, spending will be slightly less due to decrease in non-recurring expense projects for other higher priority work.
FI	Gas Distribution Corrective Maintenance	39,550	35,656	18,738	16,917	Spending planned to exceed Settlement Agreement.
GF	Operations Distribution – Gas Mapping	934	1,600	474	1,126	Decrease primarily due to lower gas mapping labor costs than originally forecasted and a reduction in non-critical mapping improvement projects to support higher priority work.
GG	Gas Engineering	3,070	3,060	890	2,170	Spending planned to exceed Settlement Agreement.
JS	Distribution Integrity Management Program	19,500	19,500	5,957	13,543	Spending planned to exceed Settlement Agreement.
KF	Implement Regulatory Change	367	0	319	-319	Work not planned in the GRC.
	Total	$140,166	$138,026	$69,782	$68,243	Total spending planned to exceed Settlement Agreement.

TABLE 12-2
PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF DISTRIBUTION CAPITAL SETTLEMENT AGREEMENT VS. SPENDING COMPARISON
(IN THOUSANDS OF 2011 DOLLARS)

MWC	MWC Description	Budget	GRC (2011 Settlement Agreement Allocation)	Actual (as of 6/30/11)	Difference (Settlement Agreement Allocation - Actual)	Explanation
14	Gas Pipeline Replacement Program	$123,707	$123,266	$60,962	$62,304	Spending planned to exceed Settlement Agreement.
27	Gas Meter Protection	332	593	0	593	Work is a result of expense MWC EX – Meter Protection. Please refer to MWC EX.
47	Gas Distribution New Capacity	12,000	12,760	4,953	7,807	Spending planned to exceed Settlement Agreement.
50	Gas Distribution Reliability	39,390	20,660	24,253	-3,593	Spending has already exceeded Settlement Agreement.
52	Gas Distribution Emergency Response	702	264	366	-102	Spending has already exceeded Settlement Agreement.
2J	GT&D Impl Regulatory Change	0	0	66	-66	MWC not included in Settlement Agreement.
2K	G Cust HPR	15,000	0	761	-761	MWC not included in Settlement Agreement.
	Total	$191,131	$157,543	$91,361	$66,182	Total spending planned to exceed 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. Gas Mapping encompasses tracking the size, material type, location, configuration, and other essential information needed to identify over 42,000 miles of underground gas main and nearly 3.3 million gas services in support of the Company's 4.3 million residential, commercial and industrial gas customers (accounts). Table 13B-1 includes mapping corrections reported from January 1 to June 30, 2011, which includes mapping corrections found during capital and O&M work.

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

Division	Date Rec'd by Mapping	Dept Reported	Location Description of Discrepancy	T, L, P	Map #	# of Locations on Map	Related Job #	Comments Cause for Discrepancy	O, C, A	Date Corrected
DA	4/27/2011	Construction	Redacted	T	3349-E6	1		UPDATED DIAGRAM	M	5/13/2011
DA	4/27/2011	Construction		T	3410-A4	1		UPDATED DIAGRAM	M	5/13/2011
DI	2/10/2011	Estimating		L	45F15	1		Mapping Discrepancy	M	2/11/2011
KE	4/13/2011	Construction	Service not found in field.		4573-J7	1		Mapping had yet to receive a completed Job package by the construction department	J	4/13/2011
KE	4/13/2011	Construction	Service not found in field.		4573-J7	1		Mapping had yet to receive a completed Job package by the construction department	J	4/13/2011
KE	4/13/2011	Construction	Service not found in field.		4573-J7	1		Mapping had yet to receive a completed Job package by the construction department	J	4/13/2011
KE	5/5/2011	Construction	service posted off of plat boundary		5026-G5	1		Plat boundary issue. No change made		5/9/2011
KE	5/6/2011	Construction	Service info swapped		5026-G5	2		Mapped single service as a branch	M	5/9/2011
KE	5/13/2011	Construction	Service info swapped	L	5025-D2	2		Mapped single service as a branch	M	5/16/2011
KE	5/16/2011	Construction	Branch service found in field that was not mapped		5026-G5	3		Mapping had yet to receive a completed Job package by the construction department	J	5/16/2011
KE	6/7/2011	Construction	Service found in field that was not on plat		5027-B6	1		Mapping had yet to receive a completed Job package by the construction department	J	6/8/2011
KE	6/10/2011	Construction	Branch service found in field that was not mapped		5025-D4	1		Mapping had yet to receive a completed Job package by the construction department	J	6/13/2011
KE	6/20/2011	Construction	Branch service found in field that was not mapped		5025-E3	1		Mapping had yet to receive a completed Job package by the construction department	J	7/11/2011
MI	1/26/2011	Mapping	Incorrect material on Goshen	P	16E16	10	GM444490-70	Mapping Discrepancy	M	1/28/2011
MI	1/31/2011	Construction	Redacted	L	23B02	1	30220193	As-built gave wrong measurement for valve	A	2/3/2011
MI	2/16/2011	Mapping		L	29F07	3	30517058	3 services posted in wrong location	M	2/17/2011

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

Division	Date Rec'd by Mapping	Dept Reported	Location Description of Discrepancy	DCode	Map #	# of Locations on Map	Related Job #	Comments Cause for Discrepancy	CCode	Date Corrected
MI	2/17/2011	Construction	Parkshore, different ETS location	L	20A04	2		1 ETS removed, 1 new	U	2/17/2011
MI	2/17/2011	Construction	Sailwood, different ETS location	L	20A05	2		1 ETS removed, 1 new	U	2/17/2011
MI	3/17/2011	Mapping	Redacted	T	25D07	1	GM440653-68	Job # on map differed from actual Job #	M	3/17/2011
MI	3/18/2011	Construction		L	20A06	1		Service was posted in 2 locations	M	3/18/2011
MI	3/18/2011	Construction			20A06	1		Paperwork not received by Mapping notifying of a service cut-off	U	3/18/2011
MI	4/26/2011	Construction			29F07	1	GM4749057-89	Mapping Discrepancy	M	4/26/2011
MI	4/18/2011	Construction		L	13B14	2		Mapping Discrepancy	M	5/19/2011
MI	5/27/2011	Mapping	Wrong street names	T	11C15,16	3		Notification of street name changes were not received by Mapping to make the appropriate updates.	U	5/27/2011
PN	1/21/2011	Mapping	Redacted	T	3279-F3-3	1		This was in the queue to be updated	B	1/21/2011
PN	1/20/2011	Construction		T	3280-J2	8		This was in the queue to be updated	B	1/25/2011
PN	1/28/2011	Construction		I		3		Switched address locations	a	2/1/2011
PN	2/16/2011	Construction			3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	J	3/1/2011
PN	2/10/2011	Construction			3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	J	3/1/2011
PN	4/18/2011	Other Division Personnel			3279-J2	1		Added missing information from Gas Service Record	A	4/19/2011
PN	4/18/2011	Other Division Personnel			3279-J2	1		This was in the queue to be updated	B	4/19/2011
PN	4/4/2011	Other Division Personnel			3275-I7	1		Mapping had yet to receive a completed Job package by the construction department	J	4/19/2011
PN	3/1/2011	Other Division Personnel			3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	J	4/19/2011
PN	7/15/2011	Other Division Personnel			3280-I1	4		Verified map correction from oonstruction and subsequently corrected the map	A	4/21/2011
PN	4/28/2011	Estimating	WRONG LOC & ADDRESSES		3279-I5	2		Mapping Discrepancy	M	4/28/2011
PN	4/28/2011	Mapping	UPDATED BLOCK & ST NAME		7-D9	15		This was in the queue to be updated	B	4/29/2011
PN	5/20/2011	Construction	Redacted		3279-G6	1		No previous Gas Service Record. service was never mapped	U	5/20/2011
PN	5/27/2011	Mapping	CORRECTION DATES WAS MOVED		5-D09, 9B6, 8A2, 9A10	4		Mapping Discrepancy	M	5/27/2011
SA	2/1/2011	Construction	Redacted	T	2525 I7	1		No Excess Flow Valve	A	2/2/2011
SF	1/18/2011	Planning			4-E06	1		Missing Main line Valve		1/18/2011
SF	2/24/2011	Planning		B	3-E11	1		Main was deleted		2/24/2011
SF	2/24/2011	Compliance		T	4-F04	1		Mapping Discrepancy	M	2/24/2011
SF	3/17/2011	Estimating			3-E13	1		Mapping Discrepancy	M	3/17/2011
SF	3/22/2011	Planning		L	3-E13	1		The service was posted twice		3/22/2011
SF	3/29/2011	Planning			3-A16D	1		Mapping Discrepancy	M	3/29/2011
SF	3/29/2011	Planning		P	3-A16D	1		Mapping Discrepancy	M	3/29/2011
SF	3/30/2011	Planning			1-F14	1		Valve number was missing		3/30/2011
SF	3/30/2011	Planning		T	3-F14	1		Mapping Discrepancy	M	3/30/2011
SF	3/30/2011	Planning			4-D05	1		The service was never labeled		3/30/2011
SF	3/30/2011	Planning			4-D06	1		Too many unnecessary lines		3/30/2011
SF	3/30/2011	Planning			3-E15	1		Mapping records do not indicate why a low pressure valve is recorded in the HP valve book.		3/30/2011
SF	3/31/2011	Planning			4-C03	1		Mapping Discrepancy	M	4/1/2011
SF	4/6/2011	Planning		T	4-B02B	1		Removed valve number, unmaintained valve should be un-numbered.	M	4/6/2011
SF	4/7/2011	Planning			4-E04A	1		Mapping Discrepancy	M	4/7/2011
SF	4/8/2011	Planning		T	3-A13C	1		Removed valve number, unmaintained valve should be un-numbered.	M	4/8/2011
SF	4/8/2011	Planning		T	3-F15B	1		Service was never updated in 1972.		4/8/2011
SF	4/12/2011	Planning			4-E04D	1		Main was replaced in 1987 but never updated.	M	4/12/2011
SF	5/2/2011	Planning	Various Locations		Various	15		Wrong valve symbol	M	5/2/2011
SF	5/3/2011	Planning	Redacted		4-E01	1		Service was posted incorrectly.	M	5/3/2011
SF	5/3/2011	Planning			4-E05A	1		Removed cut & cap symbols.	M	5/3/2011
SF	5/16/2011	Planning	Various Locations		Various	12		Wrong valve symbol	M	5/16/2011
SF	6/6/2011	Planning	Various Locations		Various	4		Wrong valve symbol	M	6/6/2011
SI	1/12/2011	Construction	Redacted		2102-G1	1		Service found in field	J	1/13/2011
SI	2/10/2011	Construction			2215-C8	1		service no longer exists	U	4/2/2011
SI	3/8/2011	Construction		L	2154-D6	2	30832971	Corrected Main dimentions	U	3/15/2011
SI	4/14/2011	Construction		L	2214-A3	1		Wrong Location on map		4/15/2011
SJ	1/12/2011	Construction		E	3410-f8	1		added m-2 to plat		1/13/2011
SJ	3/22/2011				3413-E6			add EM		3/22/2011
SJ	3/9/2011				3352-G4			add EM		3/9/2011
SJ	3/9/2011				3351-E5			Show valve-V4 & V3		3/9/2011
SJ	3/11/2011				3414-F2			show valve-14-F2C & D		3/11/2011
SJ	6/23/2011			E	3413-C1	1		WELDED OVER M-2		
SJ	6/27/2011	Planning		T	3413-E1	2		WRONG VALVE #S	M	6/27/2011
SJ	6/27/2011	Construction			3413-G8	1		Valve is in the closed position		6/27/2011

Legend to Table 13B-1:

Discrepancy Code (D-Code):

E	Wrong size/type of equipment (tx, line equipment, valve, etc.)
P	Wrong size/type of conductor/cable, main, or service (i.e. pipes & wires)
L	Facilities shown in wrong location (e.g. wrong distance or dimension from P/L)
S	Wrong size/type of support structure or enclosure (pole, guy, box, conduit, etc.)
T	Wrong text information on map not associated with any symbol (e.g. address, notes, etc.)
R	Land base discrepancy (e.g. streets or property lines don't match)

Root Cause Code (C-Code):

A	As-built not accurate
J	Completed job not received by Mapping
B	Maps pending update
M	Mapping discrepency
U	Undocumented field change (no job or documentation for installation)

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 areas" is a term of art that does not apply to Gas Distribution pipelines. These two items are thus inapplicable. However, as part of PG&E's new DIMP, a risk ranking of Gas Distribution pipeline is being performed and the Company will report on the results in upcoming semi-annual reports, when available.

15. Most Recent Risk Management "Top 100"

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. However, PG&E is performing distribution risk ranking as part of the new DIMP. Subsequent reports will identify any changes to that ranking and explain the basis for such changes.

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 (1/1/2011-12/31/2011)	Units Completed (1/1/2011-6/30/2011)	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).	735,000	298,395	As a result of the leak survey inspections during the first reporting period of 2011, 8268 total leaks were found: 723 of Grade 1 leaks 2363 of Grade 2 leaks 969 of Grade 2+ leaks 4213 of Grade 3 leaks
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 and rectifiers are required to be read, at a minimum, annually.	55,437	29,687	As a result of the cathodic protection monitoring during the first reporting period of 2011, 1717 corrective trouble shooting notifications were issued.
DG	Isolated 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.	13,469	344	As a result of the isolated service inspections during the first reporting period of 2011, 6 corrective trouble shooting notifications were issued (inspector installed anode on the gas service riser)
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.	3,167	3,006	As a result of the district regulator maintenance inspections during the first reporting period of 2011, 671 corrective notifications were issued.
FH	Valve Maintenance	Gas Distribution valve maintenance involves operating and inspecting the valves on an annual basis.	6,805	3,767	As a result of the valve maintenance inspections during the first reporting period of 2011, 149 corrective notifications were issued.
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.	3,352,781	3,442,129	As a result of the AC inspections during the first reporting period of 2011, 28,426 locations were identified for follow-up.
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.	503,423	245,321	Out of the Mark & Locate tags received in the reporting period, 518 required a field meet and/or standby.

Note: MWC FH originally included Atmospheric Corrosion correction on Meters. An improved process was implemented and this work is now being accounted for under MWC JS (DIMP). This change will be reflected in the next reporting period.

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.

ffi Table 17-4 shows the results of all gas inspection reports for the period January 1 to June 30, 2011. 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 (MAT) code which describes the category of work for this project. This includes the range of years the pipe deactivated was installed by material. Also included is the length in footage and diameter of the pipe deactivated 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" is a term of art that does not apply to distribution facilities.
k) Table 17-1, Column 17k – Vintage of pipe is the range of years the pipe installed was manufactured by material. This information is only available for projects that are completed. The year installed is the year the project was completed, by material.
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 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 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

											Installed or Uprated Pipe											
	13	14		17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o		17p	17p	17r	17s
Line No	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	Location (Division)	Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless or Non-seamless	MAOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
1	Complete	NO	30823626	Redacted	Gas Pipeline Replacement Program	Steel 1930	508' of 12" Steel	Pipeline Repl Program			Redacted	2010	2011	Driscoplex	n/a	60	50	PSIG	56' of 2" Plastic 54' of 6" Plastic 490' of 8" Plastic	Refer to Attachment 17.2	3 Services	Reduce 12" to 8". Meets capacity requirements
2	Complete	NO	30815779		Gas Pipeline Replacement Program	Cast Iron Unknown	604' of 4" Cast Iron	Pipeline Repl Program				2010	2011	Driscoplex	n/a	60	50	PSIG	1077' of 2" Plastic	Refer to Attachment 17.2	27 Services	Convert from MAOP 10.5 in wc to 60 psig system
3	Complete	NO	30807801		Gas Pipeline Replacement Program	Cast Iron 1911-1927 Steel 1932-1963 Plastic 1990	3259' of 4" Cast Iron 676' of 12" Cast Iron 1890' of 4" Steel	Pipeline Repl Program				Plastic 2009-11 Uprated Plastic Date Not Located	2011 Uprate 1990	Plastic Driscoplex Uprated Plastic Refer to Attachment 17.2	n/a	60	50	PSIG	5791' of 2" Plastic 569' of 4" Plastic Uprate 625' of 4" Plastic	Refer to Attachment 17.2	304 Services	Convert from MAOP 10.5 in wc to 60 psig system
4	Complete	NO	30805155		Deactivate Main	Steel 1940 Plastic 1976	600' of 4" Plastic 140' of 3" Steel	Reliability General				n/a	2011	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No effect	No significant change
5	Complete	NO	30804481		Gas Pipeline Replacement Program	Cast Iron Unknown	512' of 4" Cast Iron	Pipeline Repl Program				2010	2011	Driscoplex	n/a	60	50	PSIG	545' of 4" Plastic	Refer to Attachment 17.2	30 Services	Convert from MAOP 10.5 in wc to 60 psig system
6	Complete	NO	30793953		Gas Pipeline Replacement Program	Steel 1937-1939	620' of 4" Steel	Pipeline Repl Program				2010	2011	Driscoplex	n/a	10.5	9	in. WC	675' of 4" Plastic	Refer to Attachment 17.2	No effect	No significant change
7	Complete	NO	30789549		New Capacity Main Install / Enforcement	n/a	n/a	Capacity				2010	2011	Performance	n/a	60	55	PSIG	1240' of 4" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 0 to 44 psig
8	Complete	NO	30786843		New Capacity Regulator Station	n/a	n/a	Capacity				n/a	2011	n/a	n/a	56	50	PSIG	n/a	n/a	No effect	No significant change
9	Complete	NO	30784111		New Capacity Main Install / Enforcement	n/a	n/a	Capacity				Plastic 2010 Steel 2010	2011	Plastic Driscoplex Steel Tenaris	Seamless	60	56	PSIG	4590' of 6" Plastic 130' of 6.625" Steel	Refer to Attachment 17.2 Steel 0.280"	1000 Services	Increased capacity 59 MCFH, APD Minimum pressure 21 psig
10	Complete	NO	30783043		New Capacity Main Install / Enforcement	Plastic 1987	600' of 2" Plastic	Capacity				2010	2011	Driscoplex	n/a	34	30	PSIG	604' of 6" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 9 psig to 11 psig
11	Complete	NO	30786290		Reliability Cathodic Protection Systems	n/a	600' of 2" Plastic	Reliability General				n/a	2011	n/a	n/a	Various	Various	n/a	n/a	n/a	No effect	No significant change.
12	Complete	NO	30782994		New Capacity Main Install / Enforcement	n/a	n/a	Capacity				2009-10	2010	Driscoplex	n/a	60	50	PSIG	2290' of 6" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure from 10 psig to 17psig
13	Complete	NO	30781621		Reliability Main Replacement	Steel 1948-1962	290' of 2" Steel 1940' of 6" Steel 470' of 8" Steel	Reliability General				2008-10	2010	Driscoplex	n/a	60	50	PSIG	1333' of 4" Plastic	Refer to Attachment 17.2	5 Services	No significant change.
14	Complete	NO	30780327		Reliability Main Replacement	Steel 1961 Plastic 1973	270' of 2" Plastic 694' of 2" Steel	Reliability General				2009	2010	US Poly	n/a	34	30	PSIG	934' of 2" Plastic	Refer to Attachment 17.2	11 Services	No significant change.
15	Complete	NO	30759576		Reliability Regulator Station Replacement	Steel 1937-1984 Cast Iron 1926	50' of 3" Steel 234' of 4" Steel	Reliability General				n/a	2011	n/a	n/a	60 Inlet 10.5 Outlet	50 Inlet 10Outlet	PSIG in. WC	n/a	n/a	5 Services	Convert MAOP 10.5 in. wc to 60 psig system. Relocate LP regulator station
16	Complete	NO	30759573		Reliability Main Replacement	Steel 1927-1951 Cast Iron 1971	77' of 4" Cast Iron 1505' of 4" Steel	Reliability General				2010	2011	Driscoplex	n/a	10.5	10	in. WC	346' of 4" Plastic 434' of 6" Plastic	Refer to Attachment 17.2	19 Services	No significant change
17	Complete	NO	30758821		Deactivate Regulator Station	Steel 1962	800' of 2" Steel	Reliability General				n/a	2011	n/a	n/a	50	47	PSIG	n/a	n/a	1 Services	No significant change
18	Complete	NO	30757362		Reliability Regulator Station Replacement	n/a	n/a	Reliability General				n/a	2011	n/a	n/a	60	55	PSIG	n/a	n/a	No effect	No significant change
19	Complete	NO	30754774		Gas Pipeline Replacement Program	Cast Iron 1915-1940 Plastic 1973	2941' of 4" Cast Iron 770' of 10" Cast Iron 812' of 4" Plastic	Pipeline Repl Program				Plastic 2010 Uprated Plastic Date Not Located Uprated Steel Date Not Located	2011 Uprate 1972 Steel 1990 Plastic	Plastic Driscoplex Uprated Plastic Refer to Attachment 17.1 Uprated Steel Not Located	Uprate Not Located	60 10.5	50 10	PSIG in. WC	5073' of 2" Plastic 516' of 4" Plastic Uprate 815' of 4" Plastic Uprate 895' of 4" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	255 Services	Convert from MAOP 10.5 in wc to 60 psig system
20	Complete	NO	30754768		Gas Pipeline Replacement Program	Cast Iron 1917-1926 Steel 1968	2343' of 4" Cast Iron 872' of 4" Steel	Pipeline Repl Program				2009	2010	Driscoplex	n/a	60	50	PSIG	2608' of 2" Plastic	Refer to Attachment 17.2	76 Services	Convert from MAOP 10.5 in wc to 60 psig system
21	Complete	NO	30753677		Gas Pipeline Replacement Program	Cast Iron 1912-1927	4091' of 4" Cast Iron	Pipeline Repl Program				2008-10	2010	Driscoplex	n/a	50 10.5	47 10	PSIG in. WC	303' of 2" Plastic 1689' of 4" Plastic 648' of 6" Plastic	Refer to Attachment 17.2	162 Services	No significant change.
22	Complete	NO	30751625		Reliability Main Replacement	Steel 1942-1957	1057' of 2" Steel 550' of 3" Steel	Reliability General				Plastic 2009 Steel 6" - 2008 10" - 2010	2010	Plastic US Poly Steel 6" - Voestalpine 10" - Tenaris	Seamless	50	47	PSIG	1000' of 4" Plastic 250' of 6.625" Steel 320' of 10.750" Steel	Refer to Attachment 17.2 6" Steel - 0.280" 10"Steel - 0.365"	2 Services	No significant change
23	Complete	NO	30749119		New Capacity Main Install / Enforcement	n/a	n/a	Capacity				2010	2010	Driscoplex	n/a	60	50	PSIG	6750' of 6" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 4 psig to 24 psig
24	Complete	NO	30747707		New Capacity Main Install / Enforcement	n/a	n/a	Capacity				2008-10	2010	Driscoplex	n/a	55	50	PSIG	4124' of 8" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 0 to 17 psig
25	Complete	NO	30742428		New Capacity Main Install / Enforcement	n/a	n/a	Capacity				2008-10	2011	Driscoplex	n/a	60	57	PSIG	1963' of 6" Plastic	Refer to Attachment 17.2	No effect	APD minimum pressure increase from 1 psig to 18 psig
26	Complete	NO	30741372		Gas Pipeline Replacement Program	Steel 1917-1929	840' of 2" Steel	Pipeline Repl Program				2009	2010	Uponor	n/a	60	50	PSIG	2163' of 2" Plastic	Refer to Attachment 17.2	36 Services	Convert from MAOP 10.5 in wc to 60 psig system.
27	Complete	NO	30740781		New Capacity Regulator Station	n/a	n/a	Capacity				n/a	2011	n/a	n/a	51	48	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 16 psig to 42 psig
28	Complete	NO	30737291		Gas Pipeline Replacement Program	Steel 1925-1968	2375' of 2" Steel	Pipeline Repl Program				2008-10	2010	Driscoplex	n/a	50	47	PSIG	1275' of 2" Plastic 1100' of 4" Plastic	Refer to Attachment 17.2	63 Services	No significant change.
29	Complete	NO	30737244		Gas Pipeline Replacement Program	Steel 1934-1953 Wrought Iron 1931-1932	260' of 2" Steel 250' of 2" Wrought Iron	Pipeline Repl Program				2010	2010	Driscoplex	n/a	57	54	PSIG	526' of 2" Plastic	Refer to Attachment 17.2	15 Services	No significant change
30	Complete	NO	30714055		Reliability Regulator Station Replacement	n/a	n/a	Reliability General				n/a	2011	n/a	n/a	60	57	PSIG	n/a	n/a	No effect	No significant change
31	Complete	NO	30692911		Reliability Regulator Station Replacement	n/a	n/a	Reliability General				n/a	2011	n/a	n/a	17	15	PSIG	n/a	n/a	No effect	No significant change.
32	Complete	NO	30675123		New Capacity Main Install / Enforcement	n/a	n/a	Capacity				2010	2010	Performance	n/a	60	57	PSIG	1240' of 4" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 9 psig to 24 psig
33	Complete	NO	30674922		Gas Pipeline Replacement Program	Cast Iron 1926 Plastic 1975-1980 Steel 1936-1959	333' of 3" Cast Iron 1597' of 4" Cast Iron 610' of 6" Cast Iron 2450' of 16" Cast Iron 665' of 4" Steel 480' of 6" Steel	Pipeline Repl Program				Plastic 2008-10 Uprated Plastic Date Not Located Steel 2006, 2008	2010 Uprate 1975, 1980	Plastic Driscoplex Uprated Plastic Refer to Attachment 17.2 Steel Tenaris	Seamless	60	50	PSIG	360' of 12.750" Steel 4998' of 2" Plastic 27' of 4" Plastic Uprate 1130' of 4" Plastic	Refer to Attachment 17.2 Steel 0.375"	202 Services	Convert from MAOP 10.5 in wc to 60 psig system
34	Complete	NO	30674899		Gas Pipeline Replacement Program	Cast Iron 1913-1926 Plastic 1976-1994 Steel 1959-1959	4495' of 4" Cast Iron 3420' of 4" Plastic 530' of 4" Steel	Pipeline Repl Program				2010	2010	Driscoplex	n/a	60	50	PSIG	Uprate 3247' of 2" Plastic 3575' of 2" and 4" Plastic	Refer to Attachment 17.2	123 Services	Convert from MAOP 10.5 in wc to 60 psig system
35	Complete	NO	30649246		Gas Pipeline Replacement Program	Cast Iron 1914-1928 Steel 1928-1931	4332' of 4" Cast Iron 105' of 6" Cast Iron 270' of 4" Steel	Pipeline Repl Program				2009-10	2010	Driscoplex	n/a	60	50	PSIG	5106' of 2" Plastic	Refer to Attachment 17.2	160 Services	Convert from MAOP 10.5 in wc to 60 psig system

TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
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	13	14		17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o		17p	17p	17r	17s
Line No.	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	Location (Division)	Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless or Non-seamless	MAOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
36	Complete	NO	30816134	Redacted	Gas Pipeline Replacement Program	Cast Iron Pre-1900 - 1928 Plastic 1978-1982 Steel 1928-1940	2515' of 4" Cast Iron 200' of 2" Steel 1150' of 3" Steel	Pipeline Repl Program	Redacted			2008-10	2010	Driscoplex	n/a	60	50	PSIG	4074' of 2" Plastic 38' of 3" Plastic 78' of 1.25" Plastic	Refer to Attachment 17.2	100 Services	Convert from MAOP 10.5 in wc to 60 psig system
37	Complete	NO	30816130		Gas Pipeline Replacement Program	Steel 1939	2500' of 2" Steel	Pipeline Repl Program				2010	2010	Driscoplex	n/a	51	48	PSIG	2194' of 2" Plastic	Refer to Attachment 17.2	36 Services	No significant change.
38	Complete	NO	30816128		Gas Pipeline Replacement Program	Unknown	2134' of 2" Steel	Pipeline Repl Program				2008-09	2010	Driscoplex	n/a	51	48	PSIG	1757' of 2" Plastic	Refer to Attachment 17.2	34 Services	No significant change
39	Documentation	NO	30835636		Gas Pipeline Replacement Program	Steel 1931	1050' of 2" Steel	Pipeline Repl Program								42	39	PSIG	1125' of 2" Plastic	Refer to Attachment 17.2	20 Services	No significant change
40	Documentation	NO	30807861		Gas Pipeline Replacement Program	Cast Iron 1915-1927 Plastic 1977-1979 Steel 1929-1930	3710' of 4" Cast Iron 675' of 4" Steel	Pipeline Repl Program								60	50	PSIG	4965' of 2" Plastic	Refer to Attachment 17.2	239 Services	Convert from MAOP 10.5 in wc to 60 psig system
41	Documentation	NO	30807391		Gas Pipeline Replacement Program	Cast Iron 1914-1929	3407' of 4" Cast Iron 1401' of 6" Cast Iron	Pipeline Repl Program								60	56	PSIG	2432' of 4" Plastic 1490' of 6" Plastic	Refer to Attachment 17.2	46 Services	Convert from MAOP 10.5 in wc to 60 psig system
42	Documentation	NO	30806816		Gas Pipeline Replacement Program	Cast Iron 1912-1922 Steel 1962	2059' of 4" Cast Iron 1421' of 6" Cast Iron 275' of 4" Steel	Pipeline Repl Program								60 10.5	50 10	PSIG in. WC	2538' of 2", 4" and 6" Plastic	Refer to Attachment 17.2	85 Services	Convert 275' MAOP 10.5 in. wc to 60 psig system and 3480' with no significant change
43	Documentation	NO	30798844		New Capacity Main Install / Enforcement	n/a	n/a	Capacity								50	47	PSIG	1050' of 6" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 9 psig to 13 psig
44	Documentation	NO	30797736		New Capacity Main Install / Enforcement	n/a	n/a	Capacity								10.5	9.5	in. WC	1540' of 6" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 4" wc to 6.5" wc
45	Documentation	NO	30782887		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	55	PSIG	n/a	n/a	No effect	No significant change
46	Documentation	YES	30758394		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	57	PSIG	n/a	n/a	No effect	No significant change.
47	Documentation	NO	30757861		New Capacity Main Install / Enforcement	n/a	n/a	Capacity								60	56	PSIG	17903' of 8" Plastic	Refer to Attachment 17.2	500 Services	Increased capacity 400 MCFH, APD Minimum pressure 7 PSIG
48	Documentation	NO	30757351		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	57	PSIG	n/a	n/a	No effect	No significant change
49	Documentation	NO	30756701		Reliability Main Replacement	Steel 1938-1947	550' of 3" Steel 380' of 2" Steel	Reliability General								60	55	PSIG	380' of 2" Plastic 550' of 4" Plastic	Refer to Attachment 17.2	18 Services	No significant change
50	Documentation	NO	30756040		Reliability Main Replacement	Steel 1951-1956	2650' of 2" Steel 400' of 0.75" Steel	Reliability General								60	40	PSIG	400' of 1" Plastic 1280' of 2" Plastic 2500' of 4" Plastic	Refer to Attachment 17.2	24 Services	No significant change.
51	Documentation	NO	30754764		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								48	40	PSIG	n/a	n/a	No effect	No significant change.
52	Documentation	NO	30750011		Gas Pipeline Replacement Program	Cast Iron 1915-1925	4110' of 4" Cast Iron 1111' of 6" Cast Iron	Pipeline Repl Program								10.5	9.5	in. WC	5100' of 4" Plastic	Refer to Attachment 17.2	73 Services	No significant change
53	Documentation	NO	30680560		Gas Pipeline Replacement Program	Steel 1929 Wrought Iron 1925-1931	1750' of 3" Wrought Iron 300' of 3" Steel 1932' of 6" Wrought Iron	Pipeline Repl Program								60 10.5	57 9	PSIG in. WC	240' of 1.25" Plastic 2026' of 2" Plastic 1239' of 4" Plastic	Refer to Attachment 17.2	106 Services	Convert 2296' MAOP 10.5 in wc to 60 psig system and 1686' with no significant change
54	Documentation	NO	30668852		Gas Pipeline Replacement Program	Plastic 1982-1988 Steel 1913- 1968	1490' of 3" Steel 890' of 4" Steel 1348' of 6" Steel 1790' of 2" Steel 203' of 4" Plastic 225' of 1.25" Plastic 290' of 2" Plastic	Pipeline Repl Program								60	55	PSIG	5943' of 2" Plastic 485' of 4" Plastic Uprate 112' of 1.25" Plastic Uprate 385' of 2" Plastic Uprate 298' of 4" Plastic	Refer to Attachment 17.2	108 Services	Convert MAOP 10.5 in. wc to 60 psig system. Install new regulation station
55	Construction	NO	30846074		Reliability Main Replacement	1954	271' of 8" Unknown Materia	Reliability General								50	47	PSIG	261' of 8" Plastic	Refer to Attachment 17.2	7 Services	No significant change
56	Construction	NO	30840277		Cust HPR Reg Sta Conv Dist Main	n/a	n/a	Repl/Convert Cust HPR								60	55	PSIG	5' of 1.25" Steel 323' of 2" Steel 415' of 2" Plastic 358' of 3" Steel 66' of 4" Plastic	Refer to Attachment 17.2 Refer to Attachment 17.3	133 Services	Convert TP to 60 psig. Remove 16 regulator stations
57	Construction	NO	30835701		Gas Pipeline Replacement Program	Wrought Iron 1924-1932 Steel 1948-1962	300' of 2" Steel 1375' of 2" Wrought Iron	Pipeline Repl Program								57	54	PSIG	150' of 1.25" Plastic 1578' of 2" Plastic	Refer to Attachment 17.2	27 Services	No significant change
58	Construction	NO	30829620		Gas Pipeline Replacement Program	Cast Iron 1916-1928 Steel 1928	630' of 4" Cast Iron 410' of 6" Cast Iron 843' of 2" Steel	Pipeline Repl Program								10.5	10	in. WC	861' of 4" Plastic 1754' of 6" Plastic	Refer to Attachment 17.2	82 Services	No significant change
59	Construction	NO	30827211		Reliability Main Replacement	Plastic 1980	1780' of 3" Plastic 2200' of 4" Plastic	Reliability General								60	50	PSIG	3943' of 4" Plastic	Refer to Attachment 17.2	33 Services	No significant change.
60	Construction	NO	30823194		Gas Pipeline Replacement Program	Cast Iron 1911-1925 Steel 1931-1973	3451' of 4" Cast Iron 165' of 4" Steel 738' of 8" Steel	Pipeline Repl Program								60	50	PSIG	4421' of 2" Plastic	Refer to Attachment 17.2	142 Services	Convert from MAOP 10.5 in wc to 60 psig system
61	Construction	NO	30821601		Gas Pipeline Replacement Program	Cast Iron 1911-1925 Steel 1954-1958 Plastic 1973-1974	885' of 4" Cast Iron 1573' of 6" Cast Iron 435' of 10" Cast Iron 140' of 2" Plastic 340' of 4" Plastic 460' of 4" Steel	Pipeline Repl Program								60	50	PSIG	1779' of 2" Plastic 585' of 6" Plastic	Refer to Attachment 17.2	150 Services	Convert from MAOP 10.5 in wc to 60 psig system
62	Construction	NO	30821410		Gas Pipeline Replacement Program	Cast Iron 1926-1928 Steel 1939-1960 Plastic 1980-2000	1095' of 4" Cast Iron 500' of 16" Cast Iron 1455' of 4" Plastic 3390' of 4" Steel	Pipeline Repl Program								60 10.5	50 10	PSIG in. WC	3501' of 2" Plastic 106' of 4" Plastic 64' of 4" Steel 867' of 6" Plastic	Refer to Attachment 17.2 Refer to Attachment 17.3	298 Services	Convert 5970' MAOP 10.5 in wc to 60psig system and 470' with no significant change
63	Construction	NO	30820811		New Capacity Main Install / Enforcement	n/a	n/a	Capacity								60	57	PSIG	2360' of 4" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure from 1 psig to 15 psig
64	Construction	NO	30820364		Gas Pipeline Replacement Program	Cast Iron 1917-1926 Steel 1939	630' of 4" Cast Iron 50' of 6" Cast Iron 630' of 6" Steel	Pipeline Repl Program								10.5	10	in. WC	630' of 4" Plastic 630' of 6" Plastic	Refer to Attachment 17.2	72 Services	TBD Project is in design

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TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS

	13	14		17a	17b	17b	17b	17c	17g	17g	17h	17i	17k	17l	17m	17n	17o		17p	17p	17r	17s
Line No.	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	Location (Division)	Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless or Non-seamless	MAOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
65	Construction	NO	30820278	[redacted]	Gas Pipeline Replacement Program	Cast Iron 1914-1925 Steel 1928-1962 Wrought Iron 1928	630' of 4" Cast Iron 1510' of 6" Cast Iron 1065' of 2" Steel 1586' of 4" Steel 1550' of 6" Steel 590' of 2" Wrought Iron	Pipeline Repl Program	[redacted]							60 10.5" wc	50 10" wc	PSIG	5768' of 2" Plastic 798' of 6" Plastic 167' of 6" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	167 Services	Convert 5981' MAOP 10.5 in wc to 60 psig system and 950' with no significant change
66	Construction	NO	30814275		Gas Pipeline Replacement Program	Steel 1938-1940	2280' of 2" Steel 1060' of 3" Steel	Pipeline Repl Program								15	14	PSIG	4167' of 1.25" Plastic	Refer to Attachment 17.2	66 Services	No significant change
67	Construction	NO	30813057		Reliability Main Replacement	Steel 1945-1951	766' of 2" Steel	Reliability General								56	52	PSIG	800' of 2" Plastic	Refer to Attachment 17.2	22 Services	No significant change.
68	Construction	NO	30813031		Reliability Main Replacement	Steel 1996	175' of 2" Steel	Reliability General								50	47	PSIG	180' of 2" Steel	Refer to Attachment 17.3	3 Services	No significant change.
69	Construction	YES	30812259		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	57	PSIG	n/a	n/a	No effect	No significant change
70	Construction	NO	30810294		Gas Pipeline Replacement Program	Cast Iron 1914 Plastic 1983-1985 Steel 1958-1965	2530' of 10" Cast Iron 340' of 2" Plastic 535' of 3" Plastic 166' of 3" Steel 133' of 4" Steel	Pipeline Repl Program								60	50	PSIG	397' of 2" Plastic 2880' of 8" Plastic	Refer to Attachment 17.2	49 Services	Convert from MAOP 10.5 in wc to HP. Install new regulation station
71	Construction	YES	30810188		New Capacity Regulator Station	n/a	n/a	Capacity								56	53	PSIG	n/a	n/a	No effect	Redundancy to prevent outages.
72	Construction	NO	30808712		Gas Pipeline Replacement Program	Cast Iron 1914-1919	2154' of 4" Cast Iron 250' of 10" Cast Iron	Pipeline Repl Program								60	56	PSIG	1886' of 2" Plastic 684' of 4" Plastic 320' of 8" Plastic	Refer to Attachment 17.2	36 Services	Convert from MAOP 10.5 in wc to 60 psig system
73	Construction	NO	30808590		Gas Pipeline Replacement Program	Cast Iron Prior 1900- 1925 Steel 1956-1973 Plastic 1985	605' of 4" Cast Iron 1045' of 6" Cast Iron 125' of 4" Plastic 2575' of 4" Steel 2305' of 12" Steel	Pipeline Repl Program								60	50	PSIG	3638' of 2" Plastic 120' of 4" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	199 Services	Convert from MAOP 10.5 in wc to 60 psig system
74	Construction	NO	30808261		Gas Pipeline Replacement Program	Cast Iron 1915-1948 Steel 1932-1959	1935' of 4" Cast Iron 1131' of 6" Cast Iron 1705' of 8" Cast Iron 180' of 2" Steel 525' of 4" Steel	Pipeline Repl Program								60 10.5	50 10	PSIG in. WC	2242' of 2" Plastic 550' of 4" Plastic 420' of 6" Plastic 1600 of 8" Plastic	Refer to Attachment 17.2	150 Services	Convert 2820' MAOP 10.5 in wc to 60 psig system and 2656' with no significant change
75	Construction	NO	30808260		Gas Pipeline Replacement Program	Cast Iron 1913-1927 Steel 1931- 1966 Plastic 1990-2000	3410' of 4" Cast Iron 565' of 4" Plastic 100' of 2" Plastic 2883' of 4" Steel	Pipeline Repl Program								50	47	PSIG	3544' of 2" Plastic 705' of 4" Plastic	Refer to Attachment 17.2	180 Services	Convert 3865' MAOP 10.5 in wc to 60 psig and 235' with no significant change.
76	Construction	NO	30808157		Gas Pipeline Replacement Program	Steel 1953-1992 Cast Iron Unknown	1410' of 4" Cast Iron 1810' of 10" Cast Iron 1230' of 12" Cast Iron 360' of 6" Steel 1215' of 16" Steel	Pipeline Repl Program								60	50	PSIG	1915' of 2" Plastic 425' of 4" Plastic	Refer to Attachment 17.2	102 Services	Convert from MAOP 10.5 in wc to 60 psig system
77	Construction	NO	30808140		Gas Pipeline Replacement Program	Cast Iron 1914-1929 Steel 1931-1957 Wrought Iron 1926 Plastic 1982	640' of 4" Cast Iron 2411' of 6" Cast Iron 430' of 3" Plastic 135' of 2" Steel 545' of 4" Steel 235' of 2" Wrought Iron	Pipeline Repl Program								60 10.5	50 10	PSIG in. WC	1560' of 2" Plastic 1055' of 4" Plastic 1886' of 6" Plastic	Refer to Attachment 17.2	186 Services	Convert 2475' MAOP 10.5 in wc to 60 psig system and 1921' with no significant change
78	Construction	NO	30808096		Gas Pipeline Replacement Program	Cast Iron 1913-1915 Steel 1914-1950	4362' of 4" Cast Iron 1318' of 8" Steel	Pipeline Repl Program								60	50	PSIG	3206' of 2" Plastic 660' of 4" Plastic 1050' of 8" Plastic	Refer to Attachment 17.2	234 Services	Convert from MAOP 10.5 in wc to 60 psig system
79	Construction	NO	30807977		Gas Pipeline Replacement Program	Cast Iron 1913-1916 Steel 1956 Plastic 1991	1055' of 4" Cast Iron 2705' of 6" Cast Iron 80' of 2" Steel 665' of 4" Steel	Pipeline Repl Program								60	50	PSIG	3263' of 2" Plastic 1021' of 4" Plastic 343' of 8" Plastic	Refer to Attachment 17.2	113 Services	Convert from MAOP 10.5 in wc to 60 psig system
80	Construction	NO	30807430		Gas Pipeline Replacement Program	Cast Iron 1921- 1927 Steel 1921-1966	1495' of 4" Cast Iron 1475' of 3" Steel 3860' of 4" Steel	Pipeline Repl Program								60	56	PSIG	109' of 1.25" Plastic 8071' of 2" Plastic	Refer to Attachment 17.2	146 Services	Convert from MAOP 10.5 in wc to 60 psig system
81	Construction	NO	30806817		Gas Pipeline Replacement Program	Cast Iron 1926 Steel 1948	3531' of 4" Cast Iron 215' of 6" Cast Iron 2808' of 8" Cast Iron 3960' of 10" Cast Iron 135' of 8" Steel	Pipeline Repl Program								60	50	PSIG	7495' of 2" Plastic	Refer to Attachment 17.2	155 Services	Convert from MAOP 10.5 in wc to 60 psig system
82	Construction	NO	30806814		Gas Pipeline Replacement Program	Cast Iron 1924-1937 Steel 1928-1957	1639' of 4" Cast Iron 2781' of 6" Cast Iron 2122' of 4" Steel 774' of 6" Steel	Pipeline Repl Program								60 11 10.5	50 10 10	PSIG PSIG in. WC	2830' of 2" Plastic 1339' of 4" Plastic 1725' of 6" Plastic	Refer to Attachment 17.2	214 Services	Convert 1957' MAOP 10.5 in wc to 60 psig system. Convert 285' MAOP 10.5 in. wc to 11 psig system 5074' with no significant change
83	Construction	NO	30806806		Gas Pipeline Replacement Program	Cast Iron 1919-1928 Steel 1962	3683' of 4" Cast Iron 1270' of 6" Cast Iron 1165' of 4" Steel	Pipeline Repl Program								60	50	PSIG	4170' of 2" Plastic 858' of 4" Plastic	Refer to Attachment 17.2	186 Services	Convert from MAOP 10.5 in wc to 60 psig system
84	Construction	NO	30804511		Gas Pipeline Replacement Program	Steel 1924-1930 Wrought Iron 1927	1775' of 3" Steel 390' of 4" Steel 40' of 3" Wrought Iron	Pipeline Repl Program								53	50	PSIG	2286' of 2" Plastic	Refer to Attachment 17.2	55 Services	Convert 2205' MAOP 10.5 in wc to 53 psig system
85	Construction	NO	30801105		Gas Pipeline Replacement Program	Steel 1939-1940	1240' of 2" Steel	Pipeline Repl Program								60	57	PSIG	1405' of 1.25" Plastic	Refer to Attachment 17.2	26 Services	No significant change
86	Construction	NO	30797133		New Capacity Regulator Station	n/a	n/a	Capacity								60	50	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 30 psig to 45 psig
87	Construction	NO	30796765		Gas Pipeline Replacement Program	Steel 1916-1950	1820' of 2" Steel	Pipeline Repl Program								34	30	PSIG	800' of 1.25" Plastic	Refer to Attachment 17.2	54 Services	No significant change
88	Construction	YES	30795703		Gas Pipeline Replacement Program	Steel 1923-1926	245' of 2" Steel 1100' of 3" Steel	Pipeline Repl Program								40	37	PSIG	384' of 1.25" Plastic 954' of 2" Plastic 1110' of 6" Plastic	Refer to Attachment 17.2	39 Services	Convert MAOP 10.5 in. wc to HP. APD Minimum pressure system increase from 5 in wc to 6 in wc
89	Construction	NO	30787989		New Capacity Regulator Station	n/a	n/a	Capacity								60	50	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 0 to 23 psig
90	Construction	NO	30785447		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								42	39	PSIG	n/a	n/a	No effect	No significant change
91	Construction	NO	30783042		New Capacity Regulator Station	n/a	n/a	Capacity								34	30	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 9 to 11 psig
92	Construction	YES	30774930		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	40	PSIG	n/a	n/a	No effect	No significant change.
93	Construction	YES	30762547		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								45	35	PSIG	n/a	n/a	No effect	No significant change
94	Construction	NO	30756086		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								55	50	PSIG	n/a	n/a	No effect	No significant change
95	Construction	NO	30756085		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								55	50	PSIG	n/a	n/a	No effect	No significant change.
96	Construction	NO	30753678		Gas Pipeline Replacement Program	Wrought Iron 1927 Steel 1927	400' of 12" Steel 724' of 8" Wrought Iron	Pipeline Repl Program								10.5	9	in. WC	1155' of 4" Plastic	Refer to Attachment 17.2	10 Services	No significant change.

SB_GT&S_0452829

TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS

	13	14		17a	17b	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o		17p	17p	17r	17s
Line No.	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	Location (Division)	Location (City)	Pipeline Map (Map and Plat) or Facility	Vintage of Pipeline Segment (Manufacturer Date)	Year Installed	Manufacturer of Pipe	Seamless or Non-seamless	MAOP	Operating Pressure	Unit (See 17n and 17o)	Pipeline Dimensions Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
97	Construction	NO	30749119	Redacted	New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Redacted							60	50	PSIG	4000' of 6" Plastic	Refer to Attachment 17.2	No effect	APD Minimum Pressure increase from 12 psig to 30 psig
98	Construction	NO	30746089		Gas Pipeline Replacement Program	Wrought Iron 1931	1610' of 2" Wrought Iron	Pipeline Repl Program								60	57	PSIG	1798' of 6" Plastic	Refer to Attachment 17.2	2 Services	No significant change
99	Construction	NO	30742231		Reliability Main Replacement	Steel 1933-1939	419' of 2" Steel 805' of 4" Steel	Reliability General								60	50	PSIG	970' of 4" Plastic	Refer to Attachment 17.2	2 Services	No significant change.
100	Construction	YES	30741815		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								30	20	PSIG	n/a	n/a	No effect	No significant change.
101	Construction	NO	30736194		Gas Pipeline Replacement Program	Steel 1924-1938	1980' of 2" Steel	Pipeline Repl Program								34	30	PSIG	2020' of 4" Plastic	Refer to Attachment 17.2	36 Services	No significant change
102	Construction	NO	30712896		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	47	PSIG	n/a	n/a	No effect	No significant change
103	Construction	NO	30676310		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								34	30	PSIG	n/a		No effect	Uprate from MAOP 34 psig to MAOP 60 psig
104	Pre-construction	NO	30833648		Reliability Main Replacement	Steel 1968 Plastic 2003	3845' of 2" Plastic 333' of 6" Steel	Reliability General								60	50	PSIG	3845' of 2" Plastic	n/a	105 Services	No significant change
105	Pre-construction	NO	30826697		New Capacity Regulator Station	n/a	n/a	Capacity								60	40	PSIG	n/a	n/a	No effect	No significant change.
106	Pre-construction	NO	30826696		Gas Pipeline Replacement Program	Steel 1929-1936	857' of 2" Steel 188' of 3" Steel	Pipeline Repl Program								50	47	PSIG	1115' of 2" Plastic	Refer to Attachment 17.2	24 Services	No significant change.
107	Pre-construction	NO	30826505		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	57	PSIG	n/a	n/a	No effect	No significant change.
108	Pre-construction	NO	30814788		Reliability Main Replacement	Steel 1930	785' of 2" Steel 386' of 4" Steel 2342' of 6" Steel	Reliability General								60	50	PSIG	785' of 2" Plastic 386' of 4" Plastic 2341' of 6" Plastic	Refer to Attachment 17.2	23 Services	No significant change
109	Pre-construction	NO	30813671		New Capacity Regulator Station	n/a	n/a	Capacity								60	57	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 0 to14 psig
110	Pre-construction	NO	30810093		Reliability Main Replacement	Steel 1926-1951	627' of 1 25" Steel 1000' of 2" Steel	Reliability General								50	47	PSIG	1551' of 2" Plastic	Refer to Attachment 17.2	8 Services	No significant change
111	Pre-construction	NO	30803970		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	50	PSIG	n/a	n/a	No effect	No significant change.
112	Pre-construction	NO	30790929		New Capacity Main Install / Enforcement	Steel 1932-1973	2477' of 2" Steel 28' of 4" Steel	Capacity								60	55	PSIG	2925' of 6" Plastic	Refer to Attachment 17.2	15 Services	APD Minimum pressure increase from 9 psig to 42 psig
113	Pre-construction	NO	30787993		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								50	47	PSIG	n/a	n/a	No effect	No significant change.
114	Pre-construction	NO	30784075		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	56	PSIG	n/a	n/a	No effect	No significant change.
115	Pre-construction	YES	30767694		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								40	35	PSIG	n/a	n/a	No effect	No significant change.
116	Pre-construction	NO	30761915		Reliability Main Replacement	Steel 1962	300' of 6" Steel	Reliability General								57	54	PSIG	380' of 6" Steel	Refer to Attachment 17.2	1 Service	No significant change.
117	Pre-construction	NO	30755087		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	55	PSIG	n/a	n/a	No effect	No significant change
118	Pre-construction	NO	30753589		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								40	37	PSIG	n/a	n/a	No effect	No significant change
119	Pre-construction	NO	30679554		Reliability Main Replacement	Steel 1930	725' of 4" Steel	Reliability General								60	57	PSIG	938' of 4" Plastic	Refer to Attachment 17.2	11 Services	No significant change
120	Pre-construction	NO	30679552		Reliability Main Replacement	Steel 1935-1940	475' of 2" Steel	Reliability General								25	23	PSIG	247' of 2" Plastic	Refer to Attachment 17.2	12 Services	No significant change
121	Pre-construction	NO	30676477		New Capacity Regulator Station	n/a	n/a	Capacity								31	27	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 10 psig to 19 psig
122	Pre-construction	NO	30676390		Cust HPR Reg Sta Conv Dist Reg	n/a	n/a	Repl/Convert Cust HPR								51	47	PSIG	n/a	n/a	No effect	No significant change
123	Design	NO	30799615		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								54	51	PSIG	n/a	n/a	No effect	No significant change.
124	Design	YES	30741812		Reliability Regulator Station Replacement	n/a	n/a	Reliability General								60	50	PSIG	n/a	n/a	No effect	No significant change.

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.					

Prepared by: JZB1

CODE NUMBERS FOR STEEL PIPE

A-15

Asset Type: Gas Transmission and Distribution **Function:** Design

Issued by: Redacted Original Signed By **Date:** 04-21-08

Rev. #06: This document replaces Revision #05. For a description of the changes, see Page 2.

This document also appears in the following manual:

ϕϕ*Gas Applicant Design Manual*

Purpose and Scope

This numbered document provides code numbers for steel pipe.

Acronyms

ARC: abrasive resistant coating
DSAW: double-submerged arc welded
ERW: electric resistance welded
FBE: fusion bonded epoxy
SMLS: seamless

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	ERW	010941	-	010914	-
		0.237	B	SMLS	011693	-	010364	010716
6	6.625	0.188	X52	ERW	011004	-	010944	-
		0.280	B	SMLS	011688	-	010014	010844
8	8.625	0.188	X52	ERW	010717	-	010718	010795
		0.250	X42	ERW	010237	-	010838	010848
		0.322	B	SMLS	011689	-	010029	010849
10	10.750	0.250	X52	ERW	010797	-	010798	010803
		0.365	B	SMLS	011804	-	010034	010851
12	12.750	0.281	X52	ERW	010806	-	010935	010939
		0.375	B	SMLS	011948	-	010037	010853

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
16	16.000	0.312	X52	ERW	011051	-	010038	010854
		0.375	B	SMLS	011819	-	010039	010855
20	20.000	0.375	X60	ERW	010898	-	-	-
24	24.000	0.375	X60	DSAW	010901	-	010790	010903
		0.500	X60	DSAW	010052	-	010057	010863
26	26.000	0.375	X60	DSAW	010864	-	010866	010867
		0.500	X60	DSAW	010904	-	010905	010908
30	30.000	0.375 [1]	X60	DSAW	010722	-	010767	010868
		0.500	X60	DSAW	010500	-	010869	010871
34	34.000	0.505	X60	DSAW	010889	-	010780	010876
36	36.000	0.500	X65	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 06 has the following changes:

1. Updated the data in Table 1.
2. This document is part of Change 60.

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	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
Fresno	Fresno	Redacted		1/3/11			Redacted	HP (<=60psig)			5.00	Steel	0.75	Single wrap	Good		None							
Kern	Kern			1/3/11				HP (<=60psig)	1979	n	2.00	PE 2406 (Orange)	0.50								n	n	n	
North Coast	Arcata			1/4/11				HP (<=60psig)	1972	n														
Fresno	Fresno			1/5/11				HP (<=60psig)			5.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
North Coast	Ukiah			1/5/11				HP (<=60psig)	1992	n	1.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			1/6/11				HP (<=60psig)			96.00	Steel	2.00		Good		None							
Fresno	Fresno			1/7/11				HP (<=60psig)			5.00	PE 2406 (Orange)	3.00								n	n		n
Kern	Kern			1/7/11				HP (<=60psig)	1939		4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y					
Fresno	Fresno			1/8/11				HP (<=60psig)			4.00	PE 2406 (Orange)	0.50									n	n	n
North Coast	Eureka			1/8/11				HP (<=60psig)	1947	y	4.00	Steel	3.00	Somastic	Good		None	n						
North Bay	Napa			1/10/11				HP (<=60psig)	1984	y	8.00	Steel	0.75	Other	Good		None	y	y	Good				
Fresno	Fresno			1/10/11				HP (<=60psig)			1.00	Steel	0.75	Hot Applied Asphalt	Excellent		None	n						
Fresno	Fresno			1/10/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n		Good				
Kern	Kern			1/10/11				HP (<=60psig)	1963		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n	n					
Kern	Kern			1/10/11				HP (<=60psig)	1961	y	3.00	Steel	0.75	Double wrap	Good		None	y	y					
North Coast	Arcata			1/10/11				HP (<=60psig)	1949		4.00	Steel	2.00	Somastic	Good		None	n	n					
North Coast	Ukiah			1/11/11				SHP (<=25psig)	1971	n	3.00	Aldyl A	0.50								n	n	n	
Fresno	Fresno			1/11/11				HP (<=60psig)				PE 2406/2708 (Yellow)												
Fresno	Fresno			1/11/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00				None							
Fresno	Fresno			1/11/11				HP (<=60psig)				Steel	0.75											
Fresno	Fresno			1/11/11				HP (<=60psig)			4.00	Steel	4.00	Hot Applied Asphalt			None	n						
Fresno	Fresno			1/11/11				HP (<=60psig)			7.00	Steel	3.00	Hot Applied Asphalt	Fair		None							
Kern	Kern			1/11/11				HP (<=60psig)	1986	n	3.00	PE 2406 (Orange)	1.25								n	n	n	
North Valley	Redding			1/11/11				HP (<=60psig)	1967	y	5.00	Steel	0.75	Double wrap	Good		None							
San Jose	San Jose			1/12/11					1962		3.00	Steel												
Fresno	Fresno			1/12/11				HP (<=60psig)			3.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno			1/12/11				HP (<=60psig)																
Fresno	Fresno			1/12/11				HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Kern	Kern			1/12/11				HP (<=60psig)	1949	y	3.00	Steel	0.75	Hot Applied Asphalt	Good	Acceptable	None	y	y	Good				
Fresno	Fresno			1/13/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good				
Fresno	Fresno			1/13/11				HP (<=60psig)				Copper	1.00	Double wrap	Excellent		None				n	n	n	n
Kern	Kern			1/13/11				LP (<=10.5"wc)			8.00	Steel	4.00	Hot Applied Asphalt	Poor		None	y	y					
Kern	Kern			1/13/11				LP (<=10.5"wc)			4.00	PE 2406 (Orange)	4.00								n	n	n	n
North Coast	Ukiah			1/14/11				HP (<=60psig)	1967	y	6.00	Steel	2.00	Other	Excellent		None	n	n					
Kern	Kern			1/14/11				HP (<=60psig)	1998	n	2.00	PE 2406 (Orange)	1.00								n	n	n	
Diablo	Diablo			1/14/11																				
Diablo	Diablo			1/14/11							4.00	Steel	2.00	Other	Good		None	n						
Diablo	Diablo			1/14/11				HP (<=60psig)	1979	y	4.00	Steel	2.00	Other	Good		None	n						
Fresno	Fresno			1/15/11				HP (<=60psig)			3.00	Steel	2.00											
San Jose	San Jose			1/18/11							5.00	Steel	4.00	Hot Applied Asphalt	Good		None	n	n					
Fresno	Fresno			1/18/11				HP (<=60psig)		y	4.00	Copper	0.50	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno			1/18/11				HP (<=60psig)				PE 2406/2708 (Yellow)			Good			n						
Kern	Kern			1/18/11				HP (<=60psig)	1966	y	5.00	Steel	3.00	Hot Applied Asphalt	Good		None							
Kern	Kern			1/18/11				HP (<=60psig)	1966	y	4.00	Steel	3.00	Hot Applied Asphalt	Good		None	n	n					
Kern	Kern			1/18/11				HP (<=60psig)	1966	y	5.00	Steel	3.00	Hot Applied Asphalt	Good		None	n	n					
Kern	Kern			1/18/11				HP (<=60psig)			4.00	Steel												
Fresno	Fresno			1/18/11				HP (<=60psig)		y	4.00	Copper	0.50	Hot Applied Asphalt	Good		None	y	y	Good				
North Coast	Ukiah			1/19/11				SHP (<=25psig)	1967	y	5.00	Steel	6.00	Hot Applied Asphalt	Good	Acceptable	None	n	n					
Fresno	Fresno			1/19/11				HP (<=60psig)		y	4.00	Steel	0.75	Hot Applied Asphalt	Good		None	y	y					
Fresno	Fresno			1/19/11				HP (<=60psig)			5.00	Wrought Iron	0.75	Hot Applied Asphalt	Excellent		None							
Fresno	Fresno			1/19/11				HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair		None	n						
Fresno	Fresno			1/19/11				HP (<=60psig)		y	1.00	Steel	2.00	Other	Excellent		None							
Kern	Kern			1/19/11				HP (<=60psig)	1961	y	1.00	Steel	2.00	Hot Applied Asphalt	Good	Acceptable	None	y	y	Good				
Kern	Kern			1/19/11				HP (<=60psig)	1958	y	3.00	Steel	2.00	Double wrap	Good		None	n	n					
North Valley	Redding			1/19/11				HP (<=60psig)	1965	y	6.00	Steel	0.75	Double wrap	Good		None							
North Valley	Redding			1/19/11				HP (<=60psig)	1964	y	2.00	Steel	0.75	Double wrap	Good		None							
Fresno	Fresno			1/20/11				HP (<=60psig)			4.00	Steel	0.75	Somastic	Excellent		None	y	y					
Fresno	Fresno			1/20/11				HP (<=60psig)																
Fresno	Fresno			1/20/11				HP (<=60psig)			7.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Kern	Kern			1/20/11					1958		3.00	Steel	2.00	Double wrap	Good	Acceptable	None	y	y	Good				
Stockton	Delta			1/21/11				HP (<=60psig)	1948	y	5.00	Steel	2.00											
Fresno	Fresno			1/21/11							6.00	Steel	1.00	Somastic	Good		None	y	y					
Kern	Kern			1/21/11				HP (<=60psig)	1958	y	2.00	Steel	2.00	Double wrap	Good	Acceptable	None							
Kern	Kern			1/21/11				SHP (<=25psig)	1951	y	3.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y					
Fresno	Fresno			1/22/11				HP (<=60psig)			6.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y					
Fresno	Fresno			1/22/11				HP (<=60psig)			8.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno			1/22/11				HP (<=60psig)			8.00	PE 2406/2708 (Yellow)	2.00									n	n	

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	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
Fresno	Fresno	Redacted		1/22/11			Redacted	HP (<=60psig)			10.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Fresno	Fresno			1/23/11							1.00	Steel	0.75	Hot Applied Asphalt	Fair		None	n	n					
Fresno	Fresno			1/24/11							5.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			1/24/11				HP (<=60psig)			2.00	Steel	4.00	Other	Good		None							
Fresno	Fresno			1/24/11				HP (<=60psig)						Other	Good			n			n	n	n	
Kern	Kern			1/24/11				HP (<=60psig)	1983		2.00	PE 2406 (Orange)	2.00											
Kern	Kern			1/24/11				HP (<=60psig)	1983		2.00	PE 2406 (Orange)	2.00								n		n	n
Fresno	Fresno			1/25/11							2.00	Steel	4.00	Hot Applied Asphalt	Excellent		None			Good				
Fresno	Fresno			1/25/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n						
Fresno	Fresno			1/25/11				HP (<=60psig)				Steel	1.00		Good			n						
Fresno	Fresno			1/25/11				HP (<=60psig)			3.00	Steel	0.75											
Fresno	Fresno			1/25/11				HP (<=60psig)			3.00	Steel	0.50	Hot Applied Asphalt	Excellent		None	n						
Fresno	Fresno			1/26/11				HP (<=60psig)		y	4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	n		Good				
Fresno	Fresno			1/26/11				HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			1/26/11				HP (<=60psig)			2.00	Steel	8.00	Bare/None			None							
Fresno	Fresno			1/26/11				HP (<=60psig)			4.00	Steel	0.75	Hot Applied Asphalt	Fair		None			Good				
Kern	Kern			1/26/11					2002	n	1.00	Steel	2.00											
Kern	Kern			1/26/11				HP (<=60psig)	1955	y	2.00	Steel	2.00	Double wrap	Good	Acceptable	None			Good				
Fresno	Fresno			1/27/11				HP (<=60psig)																
Fresno	Fresno			1/27/11				HP (<=60psig)			6.00	Steel	4.00	Hot Applied Asphalt	Good			n	y					
Fresno	Fresno			1/27/11				HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None							
Fresno	Fresno			1/27/11				HP (<=60psig)				Steel	1.00		Good			n						
Fresno	Fresno			1/27/11				HP (<=60psig)			4.00	Steel	4.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno			1/27/11				HP (<=60psig)			4.00	Steel	2.00	Tape	Good		None							
North Coast	Ukiah			1/28/11				SHP (<=25psig)	1956	y	20.00	Steel	4.00	Single wrap	Good	Acceptable	None	n	y	Good				
Fresno	Fresno			1/28/11				HP (<=60psig)			4.00	Steel	4.00	Hot Applied Asphalt	Good		None	n		Good				
Fresno	Fresno			1/28/11				HP (<=60psig)		y	2.00	Steel	2.00	Somastic	Excellent		None	n						
North Coast	Ukiah			1/31/11				HP (<=60psig)	1973	n	3.00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno			1/31/11				HP (<=60psig)				Other Plastic/aldyl-a	2.00											
Fresno	Fresno			1/31/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n	n					
Fresno	Fresno			1/31/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n	n					
North Coast	Ukiah			1/31/11				HP (<=60psig)	1973	n	4.00	Aldyl A	2.00								n	n	n	
Fresno	Fresno			2/1/11				HP (<=60psig)			1.00	Steel	2.00	Extru Coat	Good		None							
Fresno	Fresno			2/1/11				HP (<=60psig)			2.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			2/1/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n	n		n	n	n	n
Fresno	Fresno			2/1/11				HP (<=60psig)			1.00	Steel	2.00	Hot Applied Asphalt	Excellent		None							
Fresno	Fresno			2/1/11				HP (<=60psig)			3.00	Steel	2.00	Extru Coat	Excellent		None							
Fresno	Fresno			2/2/11				HP (<=60psig)				PE 2406/2708 (Yellow)			Good		None	n	n					
Fresno	Fresno			2/2/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno			2/2/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno			2/2/11				HP (<=60psig)			2.00	Steel	3.00		Good		None							
Fresno	Fresno			2/2/11				HP (<=60psig)			6.00	Steel	4.00	Somastic				n						
Kern	Kern			2/2/11							3.00	Steel	4.00	Hot Applied Asphalt	Good		None	n	n					
San Francisco	San Francisco			2/2/11							4.00	Copper	1.00											
North Coast	Ukiah			2/3/11				SHP (<=25psig)	1966	y	6.00	Steel	2.00	Hot Applied Asphalt			None	y	y					
Fresno	Fresno			2/3/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00									n	n	n
Fresno	Fresno			2/3/11				HP (<=60psig)			6.00	Steel		Single wrap			None	n						
Fresno	Fresno			2/3/11				HP (<=60psig)			3.00	Steel	4.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno			2/3/11				HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	1.00								n	n	n	
Kern	Kern			2/3/11				HP (<=60psig)		y	5.00	Steel	3.00	Hot Applied Asphalt	Fair			y	y					
Fresno	Fresno			2/4/11				HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	2.00								n	n		n
Fresno	Fresno			2/4/11				HP (<=60psig)			9.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno			2/4/11				HP (<=60psig)			3.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			2/7/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno			2/7/11				HP (<=60psig)			2.00	Steel	2.00	Hot Applied Asphalt	Excellent		None			Good				
Fresno	Fresno			2/7/11				HP (<=60psig)			2.00	Steel	4.00	Hot Applied Asphalt	Good		None	n		Good				
Kern	Kern			2/7/11				HP (<=60psig)		n	3.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			2/8/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			2/8/11				HP (<=60psig)			5.00	Steel		Somastic	Good									
Fresno	Fresno			2/8/11				HP (<=60psig)			3.00	Steel	4.00	Hot Applied Asphalt	Fair		None							
Fresno	Fresno			2/8/11				HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Fresno	Fresno			2/8/11				HP (<=60psig)			14.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Kern	Kern			2/8/11				HP (<=60psig)	1954	y	4.00	Steel	2.00	Hot Applied Asphalt	Fair		None							
North Valley	Redding			2/8/11				HP (<=60psig)	1964	y	2.00	Steel	0.75	Hot Applied Asphalt	Good		None							
North Coast	Ukiah			2/9/11				SHP (<=25psig)	1968	y	6.00	Steel	2.00	Somastic			None	n	y					
Fresno	Fresno			2/9/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n	n					
Fresno	Fresno			2/9/11				HP (<=60psig)			8.00	Steel	1.00	Hot Applied Asphalt	Good		None				n	n	n	n
Fresno	Fresno			2/9/11				HP (<=60psig)				Steel	3.00	Single wrap	Fair		None	n						

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	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
Kern	Kern	Redacted		2/9/11			Redacted	HP (<=60psig)	2011		4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern			2/9/11				HP (<=60psig)	2011	n	4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
North Valley	Redding			2/9/11				HP (<=60psig)	1964	y	2.00	Steel	0.75	Hot Applied Asphalt	Good		None	n		Good				
North Valley	Redding			2/9/11				HP (<=60psig)	1975	n	1.00	Aldyl A	0.50								n	n	n	n
North Valley	Redding			2/9/11				HP (<=60psig)	1975	n	1.00	Aldyl A	0.50								n	n	n	n
North Coast	Ukiah			2/10/11				SHP (<=25psig)	1966	y	5.00	Steel	2.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno			2/10/11				HP (<=60psig)			2.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			2/10/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n						
Fresno	Fresno			2/10/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno			2/10/11				HP (<=60psig)				Steel	1.00	Hot Applied Asphalt	Fair		None				n	n	n	n
Kern	Kern			2/10/11				LP (<=10.5"wc)		n	4.00	Steel	4.00	Hot Applied Asphalt	Poor		None	y	y					
Fresno	Fresno			2/11/11				HP (<=60psig)			3.00	Steel	4.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno			2/11/11				HP (<=60psig)			6.00	PE 2406 (Orange)	1.00								n	n	n	n
Kern	Kern			2/11/11				LP (<=10.5"wc)			5.00	Steel	8.00	Single wrap	Good		None	y	y					
North Bay	Vallejo			2/11/11				HP (<=60psig)	1942	y	3.00	Steel	2.00	Other	Fair		None							
Mission	Mission			2/14/11																	n	n	n	n
Fresno	Fresno			2/14/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno			2/14/11				HP (<=60psig)				Steel	1.00	Hot Applied Asphalt	Fair		None	n			n	n	n	n
Fresno	Fresno			2/14/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n						
Kern	Kern			2/15/11				HP (<=60psig)	1984	n	1.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern			2/15/11				SHP (<=25psig)	2011	y	2.00	Steel	0.75	Double wrap	Good		None	y	y					
Fresno	Fresno			2/16/11				HP (<=60psig)			5.00	Steel	8.00	Somastic	Fair	Acceptable	None	y	y					
Fresno	Fresno			2/16/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Kern	Kern			2/16/11						n	3.00	Steel	2.00	Extru Coat	Excellent		None	n	n	Good				
Kern	Kern			2/16/11							3.00	Steel	0.75	Single wrap	Good		None	n	n					
Kern	Kern			2/16/11				HP (<=60psig)	1987		3.00	Steel	2.00	Extru Coat	Good		None	n	n					
Fresno	Fresno			2/17/11				HP (<=60psig)			4.00	Steel	2.00	Double wrap	Good		None	n						
Fresno	Fresno			2/17/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n			n	n	n	n
Fresno	Fresno			2/17/11				HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair		None							
Fresno	Fresno			2/17/11				HP (<=60psig)			4.00	Steel	2.00	Double wrap	Good		None							
Mission	Mission			2/18/11				HP (<=60psig)	1956	y	4.00	Steel	0.75	Hot Applied Asphalt	Fair		None	n	n	Good				
Fresno	Fresno			2/18/11				HP (<=60psig)			4.00	Steel	2.00	Double wrap	Good		None							
Fresno	Fresno			2/22/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n			n	n	n	n
Fresno	Fresno			2/22/11				HP (<=60psig)			5.00	Steel		Hot Applied Asphalt	Fair		None	n						
Fresno	Fresno			2/22/11				HP (<=60psig)			4.00	Steel	3.00		Fair		None							
Fresno	Fresno			2/23/11				HP (<=60psig)				Steel	3.00	Somastic	Fair	Acceptable	Light							
Fresno	Fresno			2/23/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno			2/23/11				HP (<=60psig)			5.00	Steel	2.00	Somastic	Fair	Acceptable	None	n						
Fresno	Fresno			2/23/11				HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Fresno	Fresno			2/24/11				HP (<=60psig)		y	15.00	Steel	2.00	Single wrap	Good		None	n						
San Francisco	San Francisco			2/24/11								Steel					None							
Fresno	Fresno			2/24/11				HP (<=60psig)			3.00	Steel	1.00	Single wrap	Good		None	n			n	n	n	n
Fresno	Fresno			2/24/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			2/24/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Fresno	Fresno			2/24/11				HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Kern	Kern			2/25/11				HP (<=60psig)		n	2.00	PE 2406/2708 (Yellow)	1.25									n	n	n
Fresno	Fresno			2/28/11				HP (<=60psig)			3.00	Steel	2.00	Extru Coat	Excellent		None	y	y	Good				
Fresno	Fresno			2/28/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno			2/28/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Fresno	Fresno			2/28/11				HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			2/28/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n			n	n	n	n
Fresno	Fresno			2/28/11				HP (<=60psig)				Steel	3.00	Single wrap	Good		None				n	n	n	n
Fresno	Fresno			3/1/11				HP (<=60psig)			4.00	Steel	2.00		Excellent		None							
Fresno	Fresno			3/1/11				HP (<=60psig)			4.00	Steel	4.00	Single wrap	Good		None	n						
Fresno	Fresno			3/1/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n						
Fresno	Fresno			3/1/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno			3/1/11				HP (<=60psig)																
Fresno	Fresno			3/1/11				HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	1.00	Single wrap	Good		None	n			n	n	n	n
Fresno	Fresno			3/1/11				HP (<=60psig)			2.00	Steel	0.75	Double wrap	Good		None	y	y					
Fresno	Fresno			3/1/11				HP (<=60psig)			7.00	Steel	4.00		Good		None							
Fresno	Fresno			3/1/11				HP (<=60psig)			5.00	Steel	3.00	Hot Applied Asphalt	Excellent		None							
Kern	Kern			3/1/11				HP (<=60psig)			4.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y					
Kern	Kern			3/1/11				HP (<=60psig)			5.00	Steel	4.00	Hot Applied Asphalt	Good		None	y	y					
Fresno	Fresno			3/2/11				HP (<=60psig)			12.00	Copper	0.50	Hot Applied Asphalt	Fair		None	n						
Kern	Kern			3/2/11				HP (<=60psig)	2011	n	3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno			3/3/11				HP (<=60psig)			4.00		3.00	Somastic	Good		None	n	y		n	n	n	n
Fresno	Fresno			3/3/11				HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair		None	n						
Fresno	Fresno			3/3/11				HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						

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PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	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
Fresno	Fresno	Redacted		3/3/11			Redacted	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno			3/3/11				HP (<=60psig)			1.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno			3/3/11				HP (<=60psig)			4.00	Steel	2.00	Double wrap	Excellent		None	y	y		n	n	n	n
Fresno	Fresno			3/3/11				HP (<=60psig)			4.00	Steel	2.00											
Kern	Kern			3/4/11				HP (<=60psig)	1952		1.00	Steel	0.75	Double wrap	Good		None							
Fresno	Fresno			3/4/11				HP (<=60psig)	2011		6.00	Steel	3.00	Hot Applied Asphalt	Fair		None	y	y					
Kern	Kern			3/5/11				SHP (<=25psig)			4.00	Steel	2.00	Somastic	Fair	Acceptable	None	y	y	Good				
Fresno	Fresno			3/7/11				HP (<=60psig)				PE 2406/2708 (Yellow)			Good		None	n		Good	n	n	n	n
Kern	Kern			3/7/11				HP (<=60psig)			2.00	PE 2406 (Orange)	2.00								n	n	n	n
North Valley	Redding			3/7/11				HP (<=60psig)	1983	y		Steel	0.75	Double wrap	Good		None							
Fresno	Fresno			3/8/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		Light	n	n					
Fresno	Fresno			3/8/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n	n	Good				
Fresno	Fresno			3/8/11				HP (<=60psig)			7.00	Steel		Single wrap	Fair		None	n						
Fresno	Fresno			3/8/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno			3/8/11				HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair		None	n						
Kern	Kern			3/8/11				HP (<=60psig)	2011	n	7.00	PE 2406/2708 (Yellow)	2.00								n		n	n
North Coast	Eureka			3/9/11				HP (<=60psig)			7.00	Steel	2.00											
Fresno	Fresno			3/9/11				HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno			3/9/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno			3/9/11				HP (<=60psig)			2.00	Steel	4.00	Hot Applied Asphalt	Good		None	y	y					
North Valley	Red Bluff			3/9/11																				
Fresno	Fresno			3/10/11				HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n	n					
Fresno	Fresno			3/10/11				HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair		None	n	n					
Kern	Kern			3/10/11				SHP (<=25psig)	2011		4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y					
Kern	Kern			3/11/11				HP (<=60psig)		n	1.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno			3/11/11				HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
San Francisco	San Francisco			3/11/11				HP (<=60psig)	2011	y	2.00	Steel	2.00	Double wrap	Excellent		None							
North Bay	Marin			3/12/11				HP (<=60psig)	1952	y	4.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	y	y	Good				
Kern	Kern			3/14/11				HP (<=60psig)	2011	y	2.00	Steel	0.75	Double wrap	Fair		None	y	n	Good	n			
North Coast	Ukiah			3/14/11				HP (<=60psig)	1975	n	1.00	PE 2406 (Orange)	4.00									n	n	
Fresno	Fresno			3/14/11				HP (<=60psig)			9.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			3/14/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n	n					
Fresno	Fresno			3/14/11				HP (<=60psig)			3.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno			3/14/11				HP (<=60psig)			3.00	PE 2406 (Orange)	1.25								n	n	n	n
Fresno	Fresno			3/14/11				HP (<=60psig)			3.00	Steel	3.00	Somastic	Excellent		None			Good				
Fresno	Fresno			3/14/11				HP (<=60psig)			3.00	PE 2406 (Orange)	1.25								n	n	n	n
Kern	Kern			3/14/11				HP (<=60psig)	1983		4.00	Steel	6.00	Extru Coat	Excellent	Acceptable	None			Good				
Fresno	Fresno			3/15/11				HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			3/15/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good	Acceptable		n	n	Good				
San Francisco	San Francisco			3/16/11							2.00	Steel												
Fresno	Fresno			3/16/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno			3/16/11				HP (<=60psig)		y	7.00	Steel	3.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno			3/16/11				HP (<=60psig)		y		Steel	3.00	Other	Good			n		Good	n	n	n	n
Fresno	Fresno			3/16/11				HP (<=60psig)		y		Steel	2.00	Other	Good			n			n	n	n	n
Fresno	Fresno			3/16/11				HP (<=60psig)			4.00	Steel	4.00											
Kern	Kern			3/16/11				HP (<=60psig)		n	6.00	PE 2406 (Orange)	4.00								n	y	n	n
North Valley	Redding			3/16/11				HP (<=60psig)	1968	y	1.00	Steel	0.75	Tape	Good		None							
North Bay	Marin			3/16/11				HP (<=60psig)	1994	n	13.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
North Coast	Ukiah			3/17/11				HP (<=60psig)	1975	n	3.00	PE 2406 (Orange)	0.50									n	n	
North Coast	Ukiah			3/17/11				HP (<=60psig)	1975	n	3.00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno			3/17/11				HP (<=60psig)		y		Steel	3.00	Other	Good			n		Good	n	n	n	n
Fresno	Fresno			3/17/11				HP (<=60psig)			5.00	Steel	2.00	Somastic	Good		None							
Fresno	Fresno			3/17/11				HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
North Coast	Eureka			3/17/11				HP (<=60psig)	1946	y	4.00	Steel	4.00	Somastic	Excellent		None	n	y					
North Coast	Eureka			3/17/11				HP (<=60psig)	1946	y	4.00	Steel	4.00	Somastic	Excellent		None	n	y					
North Coast	Eureka			3/17/11				HP (<=60psig)	1946	y	4.00	Steel	4.00	Somastic	Excellent		None	n	y					
Fresno	Fresno			3/18/11				HP (<=60psig)	1955	y	6.00	Steel	0.75	Hot Applied Asphalt	Good		None	y	y	Good				
North Coast	Eureka			3/18/11				HP (<=60psig)	1946	y	4.00	Steel	4.00											
North Bay	Marin			3/18/11				HP (<=60psig)		n	5.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno			3/20/11				HP (<=60psig)			5.00	Steel	0.75								n	n	n	n
Kern	Kern			3/21/11				HP (<=60psig)	1996	n	3.00	PE 2406/2708 (Yellow)	0.50								n	n	n	
Fresno	Fresno			3/21/11				HP (<=60psig)			3.00	Steel	4.00	Double wrap	Good		None							
Fresno	Fresno			3/21/11				HP (<=60psig)			3.00	Steel	4.00	Double wrap	Good		None							
Fresno	Fresno			3/22/11				HP (<=60psig)		y		Steel	3.00	Other	Good		None	n		Good	n	n	n	n

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	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
Fresno	Fresno	Redacted		3/22/11			Redacted	HP (<=60psig)		y	6.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			3/22/11				HP (<=60psig)			3.00	Steel	3.00	Hot Applied Asphalt	Fair		None	y	y	Good				
Kern	Kern			3/22/11				HP (<=60psig)	1958	y	3.00	Steel	0.75	Hot Applied Asphalt	Poor		None	y	y					
North Valley	Redding			3/22/11				HP (<=60psig)	1985	y	3.00	Steel	0.75	Double wrap	Good		None	n						
Fresno	Fresno			3/23/11				HP (<=60psig)		y	6.00	Steel	2.00	Single wrap	Fair		None	n						
Kern	Kern			3/23/11				HP (<=60psig)			3.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern			3/23/11				HP (<=60psig)			4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y	Good				
Fresno	Fresno			3/24/11				HP (<=60psig)			4.00	Steel	3.00	Bare/None			None							
Fresno	Fresno			3/24/11				HP (<=60psig)			5.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Kern	Kern			3/24/11				HP (<=60psig)			5.00	PE 2406 (Orange)	0.50								n	n	n	n
North Coast	Eureka			3/24/11				HP (<=60psig)	1960	y	1.00	Steel	0.75	Single wrap	Poor		None	y	y	Good				
Fresno	Fresno			3/25/11				HP (<=60psig)			6.00	PE 2406/2708 (Yellow)									n	n	n	n
Fresno	Fresno			3/26/11																				
Fresno	Fresno			3/28/11				HP (<=60psig)		y	6.00	Steel	3.00	Single wrap	Fair		None	n						
Fresno	Fresno			3/28/11				HP (<=60psig)		y		Steel	3.00	Other	Good			n		Good	n	n	n	n
Fresno	Fresno			3/28/11				HP (<=60psig)			1.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno			3/28/11				HP (<=60psig)			1.00	Steel	0.75	Hot Applied Asphalt	Excellent		None							
Fresno	Fresno			3/28/11				HP (<=60psig)			2.00	Aldyl A	1.00								n	y	n	n
Fresno	Fresno			3/28/11				HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None	n						
Kern	Kern			3/28/11				HP (<=60psig)	1976		3.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern			3/28/11				HP (<=60psig)			3.00	PE 2406 (Orange)	2.00									n	n	
Fresno	Fresno			3/29/11				HP (<=60psig)			4.00	Steel	4.00	Single wrap	Good		None							
Fresno	Fresno			3/29/11				HP (<=60psig)																
Fresno	Fresno			3/29/11				HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n			n	n	n	n
Fresno	Fresno			3/29/11				HP (<=60psig)			2.00	Steel	0.75	Hot Applied Asphalt	Good		None	n						
Kern	Kern			3/29/11				SHP (<=25psig)			3.00	Steel	2.00	Hot Applied Asphalt	Good		None			Good				
Fresno	Fresno			3/30/11				HP (<=60psig)			3.00	Steel	3.00	Hot Applied Asphalt	Good		None							
Fresno	Fresno			3/30/11				HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	1.00		Good		None	n			n	n	n	n
Fresno	Fresno			3/30/11				HP (<=60psig)			4.00	Steel	2.00											
North Valley	Redding			3/30/11				HP (<=60psig)	1995	n	6.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
North Valley	Redding			3/30/11				HP (<=60psig)	1995	n	6.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
North Coast	Santa Rosa			3/31/11				HP (<=60psig)	1946	y	4.00	Steel	2.00	Hot Applied Asphalt	Good		None	n	n					
Fresno	Fresno			3/31/11				HP (<=60psig)			11.00	Steel	3.00	Single wrap	Fair		None	n						
Fresno	Fresno			3/31/11				HP (<=60psig)			1.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno			3/31/11				HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	1.00		Good		None				n	n	n	n
Fresno	Fresno			3/31/11				HP (<=60psig)			7.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno			4/1/11				HP (<=60psig)			1.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno			4/4/11				HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			4/4/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Fresno	Fresno			4/4/11				HP (<=60psig)			4.00	Steel	4.00	Single wrap	Good		None							
Kern	Kern			4/4/11				HP (<=60psig)	1987	n	4.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			4/5/11				HP (<=60psig)																
Fresno	Fresno			4/5/11				HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno			4/5/11				HP (<=60psig)			5.00	Steel	0.75	Other	Excellent		None	n						
Fresno	Fresno			4/5/11				HP (<=60psig)			1.00	Steel	3.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno			4/5/11				HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None	n						
Fresno	Fresno			4/6/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Fresno	Fresno			4/6/11				HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n	n					
Fresno	Fresno			4/6/11				HP (<=60psig)			2.00	Steel	0.75	Hot Applied Asphalt	Excellent		None	n						
Fresno	Fresno			4/6/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
North Valley	Redding			4/6/11				HP (<=60psig)	1976	n	4.00	Aldyl A	1.25								n	n	n	
Fresno	Fresno			4/7/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n	n	Good	n	n	n	n
Kern	Kern			4/8/11				HP (<=60psig)	1954		3.00	Steel	2.00	Double wrap	Poor		None	n		Good				
Fresno	Fresno			4/8/11				HP (<=60psig)			3.00	Steel	3.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno			4/8/11				HP (<=60psig)			3.00	Steel	6.00	Hot Applied Asphalt	Good		None							
North Coast	Ukiah			4/8/11				HP (<=60psig)	1978	n	1.00	PE 2406 (Orange)	0.50								n	n	n	
Peninsula	Peninsula			4/11/11				HP (<=60psig)	1951	y	1.00	Steel	2.00				None	y	y	Good				
Fresno	Fresno			4/11/11				HP (<=60psig)			5.00	Steel		Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno			4/11/11				HP (<=60psig)			5.00	Steel	2.00		Good		None							
Kern	Kern			4/11/11				HP (<=60psig)			4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y	Good				
North Coast	Ukiah			4/12/11				HP (<=60psig)	1985	n	8.00	PE 2406 (Orange)	1.25								n	n	n	
Fresno	Fresno			4/12/11				HP (<=60psig)			5.00	Steel	2.00											
Fresno	Fresno			4/12/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Kern	Kern			4/13/11				HP (<=60psig)	1955	y	3.00	Steel	0.75	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno			4/13/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n	n	Good		n	n	n
Fresno	Fresno			4/13/11				HP (<=60psig)			8.00	Steel	2.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno			4/13/11				HP (<=60psig)			4.00	Steel	3.00	Hot Applied Asphalt	Excellent		None	y	y	Good				

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	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
Fresno	Fresno	Redacted		4/13/11	Redacted			HP (<=60psig)			4.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern			4/13/11				HP (<=60psig)	1949	y	2.00	Steel	0.75	Single wrap	Fair		None	y	n	Good				
Kern	Kern			4/13/11				HP (<=60psig)	1987	n	4.00	PE 2406 (Orange)	2.00								n	n	n	
Kern	Kern			4/13/11				HP (<=60psig)	1983		4.00	PE 2406 (Orange)	0.50									n	n	n
North Valley	Red Bluff			4/13/11				HP (<=60psig)	1962	y	2.00	Steel	0.75	Double wrap	Good		None	n						
Fresno	Fresno			4/14/11				HP (<=60psig)																
Fresno	Fresno			4/14/11				HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None							
Fresno	Fresno			4/14/11				HP (<=60psig)																
Fresno	Fresno			4/15/11				HP (<=60psig)			4.00	PE 3408 (Black)	0.25	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno			4/15/11				HP (<=60psig)			10.00	Steel	4.00	Double wrap	Good		None	n						
Fresno	Fresno			4/18/11				HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None							
Fresno	Fresno			4/18/11				HP (<=60psig)			3.00	Steel	4.00	Other	Excellent		None							
Fresno	Fresno			4/18/11				HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	1.00		Good		None				n	n	n	n
North Bay	Vallejo			4/19/11				HP (<=60psig)	2011	n	3.00	Steel		Other			None	n	n					
North Bay	Vallejo			4/19/11				HP (<=60psig)	1997	n	2.00	PE 2406 (Orange)	0.50									n	n	n
Kern	Kern			4/19/11					1983	n	6.00	PE 2406 (Orange)	2.00								n	n	n	n
North Valley	Red Bluff			4/19/11				LP (<=10.5"wc)	1963	y	4.00	Steel	1.25	Single wrap	Good		None	n						
North Coast	Ukiah			4/20/11				HP (<=60psig)	1996	n	6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	
Fresno	Fresno			4/20/11				HP (<=60psig)			5.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Kern	Kern			4/20/11							1.00	Steel	16.00											
Kern	Kern			4/20/11				HP (<=60psig)			5.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			4/22/11				HP (<=60psig)			4.00	Steel	3.00	Hot Applied Asphalt	Excellent	Acceptable	None	y	y	Good				
San Jose	San Jose			4/25/11							2.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno			4/25/11						y	4.00	Steel	4.00	Double wrap	Good		None							
Fresno	Fresno			4/25/11				HP (<=60psig)	2011		3.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			4/26/11				HP (<=60psig)		y	3.00	Steel	4.00	Hot Applied Asphalt			None	y	y	Good				
Kern	Kern			4/26/11				HP (<=60psig)			3.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno			4/27/11				HP (<=60psig)	2011	y	3.00	PE 2406/2708 (Yellow)		Double wrap	Good			n	n					
Kern	Kern			4/27/11				HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
North Valley	Redding			4/27/11				HP (<=60psig)	1971	y	3.00	Steel	0.75	Other	Excellent		None							
Fresno	Fresno			4/28/11				HP (<=60psig)	2010		10.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Fresno	Fresno			4/28/11				HP (<=60psig)	2010		8.00	PE 2406/2708 (Yellow)	4.00									n	n	n
North Valley	Redding			4/28/11				HP (<=60psig)	1967	y	3.00	Steel	2.00	Other	Good		None							
Kern	Kern			4/28/11				SHP (<=25psig)	1972	n	1.00	PE 2406/2708 (Yellow)	0.50								n	n	n	
Kern	Kern			4/29/11				HP (<=60psig)		y	2.00	Steel	2.00	Double wrap	Good		None							
Fresno	Fresno			4/29/11				HP (<=60psig)	2011	y	1.00													
Fresno	Fresno			4/29/11				HP (<=60psig)																
Fresno	Fresno			4/29/11				HP (<=60psig)	2011	n	6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno			4/29/11				LP (<=10.5"wc)			6.00	Steel	1.25	Hot Applied Asphalt	Excellent		None	y	y	Good				
Kern	Kern			4/29/11				HP (<=60psig)	2011		4.00	Steel	2.00	Single wrap	Good		None	y	y	Good				
North Valley	Redding			4/29/11				HP (<=60psig)	1967	y	2.00	Steel	0.75	Double wrap	Good		None	n		Good				
Fresno	Fresno			5/2/11				HP (<=60psig)	1940		2.00	Steel	2.00	Other	Fair		None	n						
Fresno	Fresno			5/2/11				HP (<=60psig)		y	2.00													
Fresno	Fresno			5/2/11				HP (<=60psig)	2011	y	6.00	Aldyl A	1.00								n	n	n	n
Fresno	Fresno			5/2/11				HP (<=60psig)			2.00	Steel	2.00	Other	Fair		None	n	n					
De Anza	De Anza			5/3/11				HP (<=60psig)	1947	y	3.00	Steel	0.75	Hot Applied Asphalt	Excellent		None	n	y	Good				
Central Coast	King City			5/3/11				HP (<=60psig)	1952	y	16.00	Steel	4.00	Hot Applied Asphalt	Good	Acceptable	None	n	n					
North Bay	Napa			5/3/11				HP (<=60psig)	1990	n	2.00	PE 2406 (Orange)	1.00								n	n	n	
Kern	Kern			5/3/11				HP (<=60psig)	2011	y	2.00	Steel		Hot Applied Asphalt	Good		None	y	y	Good				
North Valley	Redding			5/3/11				HP (<=60psig)	1962	y			2.00											
North Valley	Redding			5/3/11				HP (<=60psig)	1962	y			2.00	Double wrap	Good		None	n		Good				
Kern	Kern			5/4/11				HP (<=60psig)			4.00	Steel	2.00	Single wrap	Good		None	y	y	Good				
Kern	Kern			5/4/11				HP (<=60psig)	1978	n	1.00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno			5/6/11				HP (<=60psig)			2.00	Steel	2.00											
North Bay	Vallejo			5/9/11				HP (<=60psig)	1991	n	5.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno			5/9/11				HP (<=60psig)	1985	n														
Fresno	Fresno			5/9/11				HP (<=60psig)	1940	y	3.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno			5/9/11				HP (<=60psig)		n	4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern			5/9/11				HP (<=60psig)		n	3.00	PE 2406 (Orange)	2.00								n	n	n	n
North Valley	Redding			5/9/11				HP (<=60psig)	1964	y	3.00	Steel	0.75	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno			5/10/11					2011	n	6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern			5/11/11				HP (<=60psig)	1986		2.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno			5/12/11				HP (<=60psig)		y	2.00				Fair									
Fresno	Fresno			5/12/11				HP (<=60psig)		y					Fair									
North Valley	Redding			5/12/11				HP (<=60psig)	1965	y	6.00	Steel	0.75	Tape	Good		None	n		Good				
Fresno	Fresno			5/13/11				HP (<=60psig)	1930	y	3.00													

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	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
Fresno	Fresno	Redacted		5/13/11			Redacted	HP (<=60psig)		y	2.00													
Fresno	Fresno			5/16/11				HP (<=60psig)		y	3.00													
Fresno	Fresno			5/16/11				HP (<=60psig)		y	3.00	PE 2406 (Orange)												
Fresno	Fresno			5/16/11				HP (<=60psig)	2011	y	2.00													
Kern	Kern			5/16/11				HP (<=60psig)	1945	y	7.00	Steel	0.75	Single wrap	Fair		None	y	y	Good				
Fresno	Fresno			5/17/11				HP (<=60psig)		y				Other	Fair									
Central Coast	Coast			5/18/11				HP (<=60psig)	1946	y	1.00	Steel	4.00	Somastic	Excellent		None	n	n	Good				
North Coast	Ukiah			5/18/11				SHP (<=25psig)	2011	n	80.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno			5/18/11				HP (<=60psig)																
North Bay	Vallejo			5/19/11				HP (<=60psig)	1955	n	5.00	Steel	0.75	Other	Good		None			Good				
Fresno	Fresno			5/19/11				HP (<=60psig)		y	2.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern			5/19/11				HP (<=60psig)		n	2.00	Aldyl A	0.50								n	n	n	n
Kern	Kern			5/19/11				HP (<=60psig)	2011		3.00	PE 2406/2708 (Yellow)	8.00								n	n	n	n
Central Coast	Hollister			5/19/11				HP (<=60psig)	1987	y	4.00	Steel	2.00	Hot Applied Asphalt	Good	Acceptable	None	n	y	Good	n	n	n	n
Central Coast	Coast			5/24/11				HP (<=60psig)	1970	y	3.00	Steel	2.00	Extru Coat	Excellent		None	n	n	Good				
Fresno	Fresno			5/24/11				HP (<=60psig)	2011	n	6.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern			5/24/11				HP (<=60psig)		n	3.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern			5/24/11				HP (<=60psig)		n	3.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern			5/24/11				HP (<=60psig)		n	3.00	PE 2406 (Orange)	2.00								n	n	n	n
Central Coast	Coast			5/25/11				HP (<=60psig)	1930	y	11.00	Steel	3.00	Single wrap	Poor		None	y	y	Good				
Fresno	Fresno			5/25/11				HP (<=60psig)		y														
Fresno	Fresno			5/25/11				HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno			5/25/11				HP (<=60psig)		y	4.00	PE 2406/2708 (Yellow)	1.00									n	n	n
North Coast	Ukiah			6/2/11				HP (<=60psig)	1982	n	4.00	PE 2406 (Orange)	1.25								n	n	n	
Fresno	Fresno			6/2/11				HP (<=60psig)	2010	n	7.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Kern	Kern			6/2/11						n	8.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern			6/2/11				HP (<=60psig)		n	2.00	Aldyl A	0.50								n	n	n	
North Bay	Napa			6/3/11				HP (<=60psig)			6.00	PE 2406 (Orange)	2.00								n	n	n	
North Bay	Napa			6/3/11							8.00	PE 2406 (Orange)	1.25								n	n	n	
Fresno	Fresno			6/3/11																				
Fresno	Fresno			6/3/11				HP (<=60psig)	1937		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
Fresno	Fresno			6/6/11				HP (<=60psig)	1937		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
North Bay	Napa			6/6/11					1977		4.00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno			6/6/11				HP (<=60psig)	1937	y	3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
Kern	Kern			6/6/11				SHP (<=25psig)	1972	n	1.00	Aldyl A	0.50								n	n	n	n
Central Coast	Monterey			6/7/11				SHP (<=25psig)	1953	y	9.00	Steel	0.75	Single wrap	Poor		None	y	y	Good				
Central Coast	King City			6/7/11				HP (<=60psig)	2007	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno			6/7/11				HP (<=60psig)	2011		4.00	Steel	2.00	Other	Good		None							
Fresno	Fresno			6/7/11				HP (<=60psig)	2011	y	6.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	y	y	Good				
Kern	Kern			6/7/11				HP (<=60psig)		n	1.00	PE 2406 (Orange)	0.50								n	n	n	n
North Coast	Ukiah			6/7/11				SHP (<=25psig)	1992	n	4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Central Coast	Monterey			6/7/11				SHP (<=25psig)	1953	y	5.00	Steel	2.00	Somastic	Fair		None	y	y	Good				
North Coast	Ukiah			6/8/11				HP (<=60psig)	1970	y	4.00	Steel	2.00	Extru Coat			None	n	n	Good				
Central Coast	Salinas			6/8/11				HP (<=60psig)	1999	n	2.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno			6/8/11				HP (<=60psig)	1953	y	5.00	Steel	0.75	Hot Applied Asphalt	Good		None	n	n					
North Bay	Vallejo			6/8/11							3.00	Steel	2.00	Hot Applied Asphalt	Good		None			Good				
Fresno	Fresno			6/8/11				HP (<=60psig)	2003	n	2.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Kern	Kern			6/8/11				HP (<=60psig)			3.00	PE 2406 (Orange)	1.25								n	n	n	n
Kern	Kern			6/8/11				HP (<=60psig)	1981		5.00	Steel	4.00	Double wrap	Good		None	y	y					
Kern	Kern			6/10/11				HP (<=60psig)	1975		3.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern			6/10/11				HP (<=60psig)	1985	n	10.00	PE 2406 (Orange)	2.00								n	n	n	n
Central Coast	Coast			6/10/11				HP (<=60psig)	1953	y	3.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y	Good				
Central Coast	King City			6/13/11				HP (<=60psig)	2011	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Kern	Kern			6/13/11				HP (<=60psig)		n	2.00	PE 2406 (Orange)	4.00								n	n	n	n
Kern	Kern			6/13/11				SHP (<=25psig)	1950	y	3.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y					
Central Coast	Monterey			6/14/11				LP (<=10.5"wc)	1955	y	5.00	Steel		Somastic	Good			n	y					
Central Coast	Monterey			6/14/11				HP (<=60psig)	1968	y	5.00	Steel	0.75	Somastic	Good		None	n	n	Good				
North Bay	Vallejo			6/14/11				HP (<=60psig)			2.00	PE 2406 (Orange)	0.50								n	n	n	n
Central Coast	Monterey			6/14/11				HP (<=60psig)	1950	y	3.00	Steel	0.75	Hot Applied Asphalt	Fair			n						
Central Coast	Monterey			6/14/11				HP (<=60psig)	1958	y	6.00	Steel	0.75	Somastic	Good		None	n	n	Good				
Kern	Kern			6/14/11				HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Kern	Kern			6/14/11				HP (<=60psig)		y	3.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno			6/14/11				HP (<=60psig)			5.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	y	y	Good				
Central Coast	Monterey			6/15/11				HP (<=60psig)	1960	y	1.00	Steel	0.75	Double wrap	Good		None	n	n	Good				
Central Coast	Monterey			6/15/11				HP (<=60psig)	1960	y	1.00	Steel	0.75	Hot Applied Asphalt	Good		None	n	y	Good				
Central Coast	King City			6/15/11				HP (<=60psig)	2007	y	2.00	PE 2406/2708 (Yellow)	1.00								n		n	n
Central Coast	King City			6/15/11				HP (<=60psig)	2011	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
North Bay	Napa			6/15/11							4.00	Steel		Hot Applied Asphalt			Heavy	n						

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT Y/N	FEET EXPOSED	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
De Anza	De Anza	Redacted		6/15/11			Redacted	HP (<=60psig)	1944		3.00	Steel	2.00											
Kern	Kern			6/15/11				HP (<=60psig)			3.00	Steel	3.00	Hot Applied Asphalt	Good		None	y	y	Good				
Kern	Kern			6/15/11				HP (<=60psig)		y	2.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Kern	Kern			6/15/11				HP (<=60psig)			2.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y					
North Coast	Ukiah			6/15/11				SHP (<=25psig)	1968	y	6.00	Steel		Hot Applied Asphalt	Good		None	n	n	Good				
Central Coast	King City			6/16/11				HP (<=60psig)	2011	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Central Coast	King City			6/16/11				HP (<=60psig)	2011	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
North Bay	Vallejo			6/16/11				HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	6.00								n	n	n	
Fresno	Fresno			6/17/11				HP (<=60psig)			4.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y	Good				
Central Coast	Monterey			6/20/11				SHP (<=25psig)	1955	y	2.00	Steel	0.75	Somastic	Fair	Acceptable		n	y	Good				
North Coast	Ukiah			6/20/11				HP (<=60psig)	1974	n	4.00	Aldyl A	0.50								n	n	n	
North Valley	Redding			6/20/11				HP (<=60psig)	1964	y	5.00	Steel	0.75	Double wrap	Good		None	n	n					
Central Coast	Monterey			6/21/11				HP (<=60psig)	1971	y	1.00	Steel	0.75	Hot Applied Asphalt	Good			n	n	Good				
Kern	Kern			6/22/11				HP (<=60psig)		n	2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern			6/22/11				SHP (<=25psig)			1.00	PE 2406 (Orange)	0.50									n	n	n
North Valley	Redding			6/22/11				HP (<=60psig)	1973	n	10.00	Aldyl A	0.50								n	y	n	n
North Valley	Redding			6/23/11				HP (<=60psig)	1977	n	2.00	Aldyl A	0.50									n	n	
Fresno	Fresno			6/23/11				HP (<=60psig)			4.00	Steel	3.00	Hot Applied Asphalt			None	y	y	Good				
Kern	Kern			6/25/11				SHP (<=25psig)		n	2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Central Coast	Coast			6/28/11				HP (<=60psig)	1965	y	6.00	Steel	4.00	Paint	Poor		Light	y	y	Good				
North Coast	Ukiah			6/29/11				HP (<=60psig)	1978	y	6.00	Steel	3.00	Hot Applied Asphalt			None	n	n	Good				
Central Coast	Coast			6/29/11				HP (<=60psig)	1985	y	5.00	PE 2406 (Orange)	3.00								n	n	n	
Central Coast	Coast			6/29/11				HP (<=60psig)	1985	y	6.00	Steel	2.00	Double wrap	Excellent		None	y	y	Good				
North Bay	Napa			6/29/11				HP (<=60psig)			4.00	Steel		Hot Applied Asphalt	Fair		None							
San Francisco	San Francisco			6/29/11								Aldyl A	3.00								n	n	n	
North Bay	Marin			6/30/11				HP (<=60psig)	1943	y	4.00	Steel	0.75	Hot Applied Asphalt	Fair		None	y	y					
Fresno	Fresno			6/30/11				HP (<=60psig)			2.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern			6/30/11				SHP (<=25psig)			2.00	Aldyl A	0.50								n	n	n	n
North Bay	Napa			6/30/11				HP (<=60psig)		y	5.00	Steel	2.00	Hot Applied Asphalt	Fair		None							
San Francisco	San Francisco			6/30/11				HP (<=60psig)		n	2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	
San Francisco	San Francisco			6/30/11				HP (<=60psig)		n	2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	
North Bay	Marin			6/30/11				HP (<=60psig)		y	8.00	Copper		Bare/None	Poor		None	n	n					

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX A

GAS DISTRIBUTION FIVE-YEAR CAPITAL FORECAST, BY PROJECT, AS PROVIDED IN THE 2011 GRC

APPENDIX A
PACIFIC GAS AND ELECTRIC COMPANY
GAS DISTRIBUTION
5-YEAR CAPITAL FORECAST, BY PROJECT, AS PROVIDED IN THE 2011 GRC
TABLE 19-3 (2011 GRC, EXHIBIT (PG&E-3), WORKPAPERS SUPPORTING CHAPTER 19)
NOMINAL DOLLARS

Line No	Work Category	Unit of Measure	2009 Results			2010 Forecast			2011 Forecast			2012 Forecast			2013 Forecast		
			Units Completed *	Unit Cost	Total Spend	Units Completed	Unit Cost	Total Spend	Units Completed	Unit Cost	Total Spend	Units Completed	Unit Cost	Total Spend	Units Completed	Unit Cost	EOY Actuals
1	**MWC 14 - Table 19-3**																
2	GPRP	Feet of Main Installed	149,438	$ 408	$ 60,983,849	132,729	$ 457	$ 60,657,000	185,044	$ 472	$ 87,305,000	189,351	$ 486	$ 92,017,000	258,613	$ 500	$ 129,320,000
3	CSRP	Services Replaced	5,629	$ 6,851	$ 38,566,770	6,227	$ 6,424	$ 40,000,000	6,500	$ 6,707	$ 43,595,000	6,485	$ 7,002	$ 45,408,000	2,138	$ 7,310	$ 15,629,000
4	**MWC 14 Total**				**$ 99,550,619**			**$ 100,657,000**			**$ 130,900,000**			**$ 137,425,000**			**$ 144,949,000**
5	**MWC 47- Table 19-4**																
6	Capacity Main Installation	Feet of main installed	24,100	$ 212	$ 5,104,653	42,755	$ 147	$ 6,285,000	55,000	$ 151	$ 8,320,000	55,000	$ 156	$ 8,570,000	55,000	$ 160	$ 8,820,000
7	Capacity Regulator Station	Regulation Station Installed	4	$ 377,196	$ 1,508,785	10	$ 328,000	$ 3,280,000	11	$ 338,182	$ 3,720,000	12	$ 348,333	$ 4,180,000	12	$ 358,333	$ 4,300,000
8	Capacity Miscellaneous	N/A			$ 1,789,252			$ 1,435,000			$ 1,510,000			$ 1,200,000			$ 1,240,000
9	**MWC 47 Total**				**$ 8,402,691**			**$ 11,000,000**			**$ 13,550,000**			**$ 13,950,000**			**$ 14,360,000**
10	**MWC 50- Table 19-5**																
11	Main Replacement	Feet of Main Installed	11,231	$ 297	$ 3,334,823	6,274	$ 478	$ 3,000,000	4,500	$ 493	$ 2,220,000	5,075	$ 509	$ 2,582,279	5,275	$ 523	$ 2,758,071
12	Service Replacement	Services Replaced	1,624	$ 7,681	$ 12,474,292	907	$ 8,269	$ 7,500,000	740	$ 8,533	$ 6,314,667	740	$ 8,780	$ 6,497,200	740	$ 9,040	$ 6,689,600
13	Regulator Station	Regulator Station (2)	51	$ 139,791	$ 7,129,356	41	$ 195,122	$ 8,000,000	24	$ 244,414	$ 5,865,931	24	$ 251,897	$ 6,045,517	24	$ 258,966	$ 6,215,172
14	Cathodic Protection	N/A			$ 2,395,994			$ 1,850,000			$ 2,350,000			$ 2,430,000			$ 2,490,000
15	Miscellaneous	N/A			$ 3,248,194			$ 3,000,000			$ 1,677,402			$ 1,730,003			$ 1,782,156
16	Electronic Pres Monitoring								220	$ 5,000	$ 1,100,000	225	$ 5,156	$ 1,160,000	225	$ 5,289	$ 1,190,000
17	CP Remote Monitoring								1723	$ 1,400	$ 2,412,000	1723	$ 1,442	$ 2,485,000	1722	$ 1,484	$ 2,555,000
18	**MWC 50 Total**				**$ 28,582,659**			**$ 23,350,000**			**$ 21,940,000**			**$ 22,930,000**			**$ 23,680,000**
19	**MWC 27 - Table 19-8**																
20	MPP Relocations	Services Relocated	-	N/A	$ 17,108	12	$ 8,333	$ 100,000	76	$ 8,289	$ 630,000	76	$ 8,553	$ 650,000	76	$ 8,816	$ 670,000
21	**MWC 27 Total**				**$ 17,108**			**$ 100,000**			**$ 630,000**			**$ 650,000**			**$ 670,000**

22 (1) PG&E SAP costs were not separated by these categories for MWC 47 until 2005.
23 (2) Units Completed for "MWC 50 Reg Stations" is a count of jobs involving regulator stations, which include full regulator station rebuilds and individual component replacements.
* 2009 Units Completed are preliminary.

PACIFIC GAS AND ELECTRIC COMPANY

APPENDIX B

GRC METHODOLOGY AND IMPUTED REGULATORY VALUES

APPENDIX B
PACIFIC GAS AND ELECTRIC COMPANY
GRC METHODOLOGY AND IMPUTED REGULATORY VALUES

Capital Expenditures

To develop the capital expenditure regulatory values, any reductions specifically identified in the Settlement Agreement were applied directly to PG&E's request at the specific MWC level. Any reductions that were not specifically identified were applied proportionately to PG&E's request across all MWCs not otherwise called-out in the Settlement Agreement.
Also, since the Settlement Agreement did not specifically identify capital expenditures for the attrition years of 2012 and 2013, and the adopted attrition revenues would not provide adequate funding to maintain the 2011 spending profile, the 2011 capital expenditure values were further adjusted to yield an evenly distributed spending profile over the 2011-2013 period.

Note: capital imputed values have been adjusted to include capitalized pension A&G costs at the adopted 2011 level.

2011 GRC CAPITAL EXPENDITURES IMPUTED REGULATORY VALUE - GAS DISTRIBUTION PIPELINE SAFETY
THOUSANDS OF 2011 SAP DOLLARS

	MWC Description	Comparison Exhibit Forecast	Settlement Reduction			2011 Imputed Regulatory Value	Pension Adder	Revised Imputed Value
			Settlement Reduction	Attrition Reduction	Total Reduction			
		(A)	(B)	(C)	(D) = (B)+ (C)	(E) = (A)+ (D)	(F)	(G)=(E) + (F)
Gas Distribution								
14	Gas Pipeline Replacement Pgm	130,900	-	(9,245)	(9,245)	121,655	1,611	123,266
27	Gas Meter Protection-Capital	630	-	(44)	(44)	586	8	593
47	G Dist New Capacity - Gas	13,550	-	(957)	(957)	12,593	167	12,760
50	G Dist Reliability	21,940	-	(1,550)	(1,550)	20,390	270	20,660
52	G Dist Emergency Response	280	-	(20)	(20)	260	3	264
	Sub-total Gas Distribution Pipeline Safety	167,300	-	**(11,816)**	**(11,816)**	155,484	2,059	157,543