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

PACIFIC GAS AND ELECTRIC COMPANY
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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: PRINCE/TELEG	$ 1,029	$ 1,431
14	5500725	Pipeline Replacement-East Bay	30814275	R2L GP WINDSOR, ALAMEDA 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	HUNTINGTON & 5TH 2011 GPRP FRESNO	$ 971	$ 1,277
14	5500726	Pipeline Replacement-Fresno	30807430	HUNTINGTON & 8TH GPRP 2011 FRESNO	$ 274	$ 700
14	5500726	Pipeline Replacement-Fresno	30808712	HUNTINGTON & TULARE 2011 GPRP FRESNO	$ 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 GROVE HILL AVE, SAN ANSELMO	$ 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 I STREET PETALUMA	$ 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 FIRST ST WEST, SONOMA -	$ 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 CEDAR & JACKSON	$ 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 DOBBINS @ KENDAL, VACAVILLE	$ 27	$ 491
14	5500919	Pipeline Replacement-Sacramento	30616130	OC4 GP PRP ELIZABETH @ MASON, VACAVILLE	$ 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 12TH & S 13TH ST, SAN JOSE GPRP	$ 14	$ 1,202
14	5500923	Pipeline Replacement-San Jose	30746089	PH 1 BERRYESSA RD SAN JOSE GPRP--2010	$ 641	$ 772
14	5500923	Pipeline Replacement-San Jose	30753678	G PARK AVENUE GPRP--SAN JOSE	$ 526	$ 672
14	5500923	Pipeline Replacement-San Jose	30801105	G HAROLD AVE 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:LOCUST&WASHINGTON, 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 THIRD STREET OAKDALE 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 HEIGHT & BERKELEY ST,BAK.	$ 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 14TH & H, MARYSVILLE	$ 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 BALBOA TERRACE, SAN FRANCISCO	$ 20	$ 2,088
14	5506443	Pipeline Replacement-San Francisco	30674899	OC1 G GPRP SAINT FRANCIS 4, SF	$ 68	$ 1,609
14	5506443	Pipeline Replacement-San Francisco	30674922	OC1 G GPRP GEARY 4 SAN FRANCISCO	$ 83	$ 4,099
14	5506443	Pipeline Replacement-San Francisco	30753677	OC1 G GPRP BAYVIEW 2 SAN FRANCISCO	$ 264	$ 2,951
14	5506443	Pipeline Replacement-San Francisco	30754768	OC1 G GPRP STAPLES SAN FRANCISCO	$ 239	$ 1,439
14	5506443	Pipeline Replacement-San Francisco	30754774	OC1 G GPRP HOLLY PARK 1 SF	$ 334	$ 3,242
14	5506443	Pipeline Replacement-San Francisco	30804481	OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN	$ 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 SUNSET 2, SF	$ 2,839	$ 2,848
14	5506443	Pipeline Replacement-San Francisco	30807861	GPRP CAPITOL 3, SAN FRANCISCO	$ 3,302	$ 3,921
14	5506443	Pipeline Replacement-San Francisco	30807977	G GPRP OCEANVIEW, SAN FRANCISCO	$ 2,025	$ 2,229
14	5506443	Pipeline Replacement-San Francisco	30808096	G GPRP SUNSET 3, SF	$ 2,578	$ 3,088
14	5506443	Pipeline Replacement-San Francisco	30808140	G GPRP PERSIA, SAN FRANCISCO	$ 1,222	$ 1,516
14	5506443	Pipeline Replacement-San Francisco	30808157	G GPRP SOUTH VALENCIA 5, SAN FRANCIS	$ 1,100	$ 1,110
14	5506443	Pipeline Replacement-San Francisco	30808260	G GPRP BAYVIEW 3, SAN FRANCISCO	$ 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 18TH ST, SAN FRANCISCO	$ 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 HOLLYPARK 1 (100 APPLETON AVE	$ 358	$ 489
14	5506443	Pipeline Replacement-San Francisco	30820278	G GPRP BALBOA PARK 4, SF	$ 508	$ 997
14	5506443	Pipeline Replacement-San Francisco	30821410	G GPRP JOOST, SF	$ 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 CRESCENT 3, SAN FRANCISCO	$ 559	$ 1,041
14	5506443	Pipeline Replacement-San Francisco	30829620	M GPRP - CONGO 1 - SF	$ 158	$ 348
14	5506443	Pipeline Replacement-San Francisco	30829626	OC1 E G GPRP OCEAN AND PLYMOUTH, SF	$ 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 ATHENS, SF	$ 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 BYRON MAIN EXTENSION - BIXLER RD BYR	$ 754	$ 806
47	5500748	Incr. Capacity G-DI	30820811	MAIN REINFORC - STONE VLLY RD., ALAMO	$ 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 HARLAN RNCH CLOVIS	$ 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 DUBLIN BLVD DUBLIN INSTALL 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, BRUCE RD, CHICO	$ 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 CORDILLERAS REDWOOD CITY	$ 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:GREATAMERICA PKWY,SC	$ 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, ELM ST, 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 MCALLEN FROM WILSON TO HOLMAN	$ 25	$ 56
47	5500761	Incr. Capacity G-ST	30797736	+LOCUST, LEE TO SACRAMENTO, LODI +	$ 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 JUNIPERO SERRA STANFORD.	$ 35	$ 136
47	5508860	47C - Con/Acq New Fac-G-Cap-RegSta - PN2	30783042	BOW DR. & CRESTVIEW DR.	$ 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 VICTORY DR STATION	$ 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.ST. VERMONT & "B" S	$ 142	$ 1,016
47	5508863	47C - Cons/Acq New Fac-G-Cap-RegSta - MI	30787989	INST DUAL DR. STATION OSGOOD RD. FREM	$ 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 VACA VLY & SHELTER COVE - 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, 1ST & E ST, WHEAL	$ 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#733 KENWOOD	$ 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 CENTRAL AVE MCKINLEYVIL	$ 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 214 E OLIVE AVE FRESNO	$ 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 SHORT ST., VALLEJO	$ 22	$ 47
50	5500650	Impr Rel/Dep G-NB	30751625	OC4 GP RM REPL HWY CROSSING, MAGAZINE ST	$ 50	$ 626
50	5500650	Impr Rel/Dep G-NB	30761915	=P RM REPL CRK CROSSING, LUCAS VLY RD	$ 19	$ 50
50	5500650	Impr Rel/Dep G-NB	30813051	GP REPL MAIN BRIDGEWY BRDWLK SAUSALT	$ 15	$ 18
50	5500650	Impr Rel/Dep G-NB	30813057	G RM REPL MAIN, ORANGE AVE, NOVATO	$ 260	$ 362
50	5500650	Impr Rel/Dep G-NB	30827211	GP RM BUHMAN & TWIN OAKS, NAPA	$ 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 PACIFIC AVE., SANTA ROSA -	$ 18	$ 44
50	5500651	Impr Rel/Dep G - SO	30810993	R4_ RPL DUTCH & BRAND LN MAIN / PENNGROV	$ 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 HAZEL AVE BETW. GREENBACK & FORTUNA	$ 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 CASITAS & CRESTA VISTA,	$ 489	$ 631
50	5500659	Impr Rel/Dep G-SF	30761621	OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE	$ 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	9TH & LINCOLN, STOCKTON	$ 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 JUNIPERO & ARASTRADERO 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 CORNWALL DR STN, PITTSBUR	$ 28	$ 485
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30757351	OC1 G REBUILD DR STA CRESCENT DR CONC	$ 19	$ 424
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30757362	OC1 G DR STATION CARION CT PITTSBURG	$ 11	$ 262
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30812259	REBUILD MARSHALL DRIVE DR STATION	$ 148	$ 344
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30826505	R1 G REBUILD RHEEM DR STATION, MORAGA	$ 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	GP 7TH ST & HENSLEY, RICHMOND	$ 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, WEBER & FARRINGTON, FR	$ 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 GREPLACE REG STA R42 / DEPOT ST / GEYS	$ 195	$ 364
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	30785447	GR-UPGRADE R585-BROADWAY&MACARTHUR,SON	$ 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 BLUFF DR 103	$ 34	$ 61
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30754754	OC4 R-003 ORLAND TERTIARY RBLD, WOODWAR	$ 275	$ 669
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755085	ORB-006 MYERS & IDORA RBLD, OROVILLE	$ 529	$ 686
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755086	ORB-01 12TH & ORO DAM, OROVILLE	$ 240	$ 283
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755087	ORB-38, E. GRIDLEY RD, GRIDLEY	$ 62	$ 71
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30774980	D-S REBUILD DR-56 WONDERLND, MTN GAT	$ 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 STANFORD-WELLESLEY FILTER, RTA	$ 15	$ 63
50	5507003	Impr Relb/Sys Depnd-G-Regs - PN	30741815	A89 CHRISTIAN & RALSTON, BELMONT	$ 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 ROSEVILLE & BUTTERNUT (A-62) REG RPL	$ 20	$ 382
50	5507004	Impr Relb/Sys Depnd-G-Regs - SA	30787993	R4 NEW REG STATION - POWER INN & CUCAM	$ 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 DEWEY & LAGUNA HONDA, SF	$ 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, FRESNO & NAVY +	$ 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 REGULATOR STA R13 / EUREKA	$ 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 JAHANT RD 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 SHOREWAY DR BELMONT	$ 48	$ 191
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	30676310	OC1 TOWER ROAD 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 OCEAN AND PLYMOUTH, SF	3/10/11	2/16/11	5/9/11	
2	Complete	30815779	OC1 G GPRP HOLLYPARK 1 (100 APPLETON AVE	1/26/11	12/10/10	7/11/11	
3	Complete	30807801	OC1 G GPRP SUNSET 2, SF	1/3/11	10/29/10	6/30/11	
4	Complete	30805155	GP 214 E OLIVE AVE FRESNO	10/15/10	9/24/10	10/26/10	
5	Complete	30804481	OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN	1/25/11	11/20/10	5/10/11	
6	Complete	30793853	OC2 REPL. MAIN HEIGHT & BERKELEY ST,BAK.	10/20/10	9/27/10	3/24/11	
7	Complete	30789549	OC1 BYRON MAIN EXTENSION - BIXLER RD BYR	10/4/10	8/11/10	5/12/11	
8	Complete	30786843	OC1 RH-06-INSTALL DR.ST. VERMONT & "B" S	8/2/10	7/19/10	3/11/11	
9	Complete	30784111	OC2 CAPACITY INCREASE HARLAN RNCH CLOVIS	7/20/10	7/26/10	3/17/11	
10	Complete	30783043	OC1 CORDILLERAS REDWOOD CITY	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 CENTRAL AVE MCKINLEYVIL	3/22/10	3/12/10	10/28/10	
13	Complete	30761621	OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE	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 DEWEY & LAGUNA HONDA, SF	3/29/10	2/25/10	6/24/11	
16	Complete	30759573	OC1 GREPL MAIN CASITAS & CRESTA VISTA,	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 CARION CT PITTSBURG	3/24/10	2/11/10	1/10/11	
19	Complete	30754774	OC1 G GPRP HOLLY PARK 1 SF	6/2/10	2/1/10	1/31/11	
20	Complete	30754768	OC1 G GPRP STAPLES SAN FRANCISCO	7/19/10	1/22/10	1/14/11	
21	Complete	30753677	OC1 G GPRP BAYVIEW 2 SAN FRANCISCO	7/1/10	4/21/10	1/12/11	
22	Complete	30751625	OC4 GP RM REPL HWY CROSSING, MAGAZINE ST	9/1/10	1/6/10	12/1/10	
23	Complete	30749119	GPCAPACITY:6"HP PARALLEL MAIN MODESTO	2/9/10	12/16/09	11/1/10	
24	Complete	30747707	OC1 DUBLIN BLVD DUBLIN INSTALL 4100 FT O	3/8/10	1/20/10	3/18/11	
25	Complete	30742428	OC4 INST 1700FT 6-IN PL, BRUCE RD, CHICO	11/10/09	11/13/09	6/17/11	
26	Complete	30741372	OC2 GPRP THIRD STREET OAKDALE PHASE 2	1/11/10	11/4/09	12/20/10	
27	Complete	30740781	OC4 VACA VLY & SHELTER COVE - INSTL R	1/4/10	12/1/09	5/13/11	
28	Complete	30737291	OC4 GPRP I STREET PETALUMA	4/19/10	10/14/09	2/11/11	
29	Complete	30737244	OC4 GPRP SANTA MARGARITA, SAN RAFAEL	9/1/10	10/14/09	10/29/10	
30	Complete	30714055	OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL	7/23/09	5/29/09	6/27/11	
31	Complete	30692911	OC1 G REBUILD CORNWALL DR STN, PITTSBUR	3/30/09	2/23/09	1/31/11	
32	Complete	30675123	OC2 G 1,270-FT 4"PL:GREATAMERICA PKWY,SC	4/1/10	12/23/08	4/5/11	
33	Complete	30674922	OC1 G GPRP GEARY 4 SAN FRANCISCO	5/10/10	12/8/09	3/1/11	
34	Complete	30674899	OC1 G GPRP SAINT FRANCIS 4, SF	7/1/10	12/8/08	3/10/11	
35	Complete	30649246	OC1 GPRP BALBOA TERRACE, SAN FRANCISCO	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 ELIZABETH @ MASON, VACAVILLE	3/2/09	10/21/08	1/26/11	
38	Complete	30616128	OC4 G PRP DOBBINS @ KENDAL, VACAVILLE	3/2/09	10/21/08	11/19/10	
39	Documentation	30835636	OC4 GD GPRP FIRST ST WEST, SONOMA -	2/16/11	2/18/11	6/17/11	
40	Documentation	30807861	OC1 GPRP CAPITOL 3, SAN FRANCISCO	10/25/10	10/14/10		8/8/11
41	Documentation	30807391	HUNTINGTON & 5TH 2011 GPRP FRESNO	11/4/10	12/11/10		8/5/11
42	Documentation	30806816	OC1 R4E G GPRP SAN BRUNO, SF	10/1/10	10/16/10		8/1/11
43	Documentation	30798844	INST. 1050' OF 6" PL, ELM ST, LIVE	1/12/11	10/15/10	6/13/11	
44	Documentation	30797736	+LOCUST, LEE TO SACRAMENTO, LODI +	10/4/10	8/24/10	5/2/11	
45	Documentation	30762887	R2L REPL VALVES STHP-24, FRESNO & NAVY +	10/18/10	3/10/10	8/4/11	
46	Documentation	30758394	A-10 JUNIPERO & ARASTRADERO 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 CRESCENT DR CONC	3/16/10	2/11/10	12/7/10	
49	Documentation	30756701	9TH & LINCOLN, STOCKTON	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 ORLAND TERTIARY RBLD, WOODWAR	4/13/10	2/10/10		7/28/11
52	Documentation	30753678	G PARK AVENUE GPRP--SAN JOSE	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 S 12TH & S 13TH ST, SAN JOSE GPRP	2/19/09	12/23/08	3/8/10	
55	Documentation	30668852	GPRP:LOCUST&WASHINGTON, LODI PHAS	2/17/09	11/5/08	6/29/11	
56	Construction	30846074	GP HAZEL AVE BETW. GREENBACK & FORTUNA	4/22/11	4/29/11		7/13/11
57	Construction	30840277	R2 CONVERT JAHANT RD DFM TO DISTRIBUTION	5/2/11	3/16/11		6/18/2012
58	Construction	30835701	GPRP GROVE HILL AVE, SAN ANSELMO	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 BUHMAN & TWIN OAKS, NAPA	1/18/11	1/8/11		12/29/11
61	Construction	30823194	M GPRP CRESCENT 3, SAN FRANCISCO	12/17/10	2/17/11		10/21/11
62	Construction	30821601	R1 E G GPRP BERNAL HEIGHTS, SF	1/18/11	3/31/11		1/12/12
63	Construction	30821410	G GPRP JOOST, SF	2/22/11	4/6/11		3/27/12
64	Construction	30820811	OC1 MAIN REINFORC - STONE VLLY RD., ALAM	2/24/11	1/26/11		7/23/11
65	Construction	30820364	R4 G GPRP ATHENS, SF	12/6/10	1/5/11		11/30/11
66	Construction	30820278	G GPRP BALBOA PARK 4, SF	12/6/10	3/14/11		6/26/12
67	Construction	30814275	R2L GP WINDSOR, ALAMEDA GPRP	1/3/11	11/23/10		11/10/11
68	Construction	30813057	G RM REPL MAIN, ORANGE AVE, NOVATO	12/2/10	12/7/10		6/30/11
69	Construction	30813051	GP REPL MAIN BRIDGEWY BRDWLK SAUSALT	12/13/10	12/30/10		8/31/11
70	Construction	30812259	REBUILD MARSHALL DRIVE DR STATION	12/8/10	1/6/11		8/19/11
71	Construction	30810294	BERKELEY GPRP - PHASE 2: PRINCE/TELEG	10/18/10	11/1/10		9/30/11
72	Construction	30810188	REBLD DR MRC-12, 1ST & E ST, WHEAL	3/3/11	10/21/10		9/1/11
73	Construction	30808712	HUNTINGTON & TULARE 2011 GPRP FRESNO	12/7/10	11/6/10		9/18/11
74	Construction	30808590	GPRP MISSION DISTRICT 4, SAN FRAN	1/18/11	2/11/11		11/30/11
75	Construction	30808261	R4E G GPRP 18TH ST, SAN FRANCISCO	11/1/10	12/17/10		12/22/11
76	Construction	30808260	G GPRP BAYVIEW 3, SAN FRANCISCO	10/8/10	11/30/10		12/22/11
77	Construction	30808157	G GPRP SOUTH VALENCIA 5, SAN FRANCIS	1/3/11	11/20/10		12/29/11
78	Construction	30808140	G GPRP PERSIA, SAN FRANCISCO	10/8/10	11/20/10		11/30/11
79	Construction	30808096	G GPRP SUNSET 3, SF	10/8/10	10/25/10		12/30/11
80	Construction	30807977	G GPRP OCEANVIEW, SAN FRANCISCO	10/7/10	11/23/10		12/22/11
81	Construction	30807430	HUNTINGTON & 8TH GPRP 2011 FRESNO	12/13/10	4/13/11		11/25/2011
82	Construction	30806817	R4E GPRP MISSION DISTRICT 3, SAN FRANC	9/29/10	10/25/10		8/12/2011
83	Construction	30806814	G GPRP OXFORD, SF	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 14TH & H, MARYSVILLE	1/3/11	11/30/10		12/30/2011
86	Construction	30801105	G HAROLD AVE 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	RED BLUFF GPRP CEDAR & JACKSON	1/3/11	2/10/11		10/14/2011
90	Construction	30787989	INST DUAL DR. STATION OSGOOD RD, FREM	8/31/10	8/2/10		4/27/2011
91	Construction	30785447	GR-UPGRADE R585-BROADWAY&MACARTHUR,SON	9/10/10	8/20/10		9/5/2011
92	Construction	30783042	BOW DR. & CRESTVIEW DR.	7/16/10	8/27/10		8/31/2011
93	Construction	30774980	D-S REBUILD DR-56 WONDERLND, MTN GAT	5/31/10	12/8/10		6/17/2011
94	Construction	30762547	G GREPLACE REG STA R42 / DEPOT ST / GEYS	4/5/10	10/15/09		1/28/2011
95	Construction	30755086	ORB-01 12TH & ORO DAM, OROVILLE	8/16/10	2/8/10		9/30/2011
96	Construction	30755085	ORB-006 MYERS & IDORA RBLD, OROVILLE	5/17/10	2/8/10		7/20/2011
97	Construction	30749118	GPCAPACITY:6"HP PARALLEL MAIN OAKDALE	5/4/10	12/16/09		10/1/2011
98	Construction	30746089	PH 1 BERRYESSA RD SAN JOSE 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 CHRISTIAN & RALSTON, BELMONT	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 7TH ST & HENSLEY, RICHMOND	5/21/09	11/24/09		12/31/2010
103	Construction	30676310	OC1 TOWER ROAD HPR TO DRS	8/13/09	12/8/08		7/5/11
104	Pre-construction	30833648	DOLORES MFRP, SF	5/9/11			10/21/2011
105	Pre-construction	30826697	R4 GD REBUILD DR#733 KENWOOD	3/7/11			11/10/2011
106	Pre-construction	30826696	GD GPRP WEST AND VARIOUS, PETALUMA	3/11/11			12/29/2011
107	Pre-construction	30826505	R1 G REBUILD RHEEM DR STATION, MORAGA	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 VICTORY DR STATION	1/19/11			11/30/2011
110	Pre-construction	30810993	R4_ RPL DUTCH & BRAND LN MAIN / PENNGROV	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 MCALLEN FROM WILSON TO HOLMAN	8/17/10			10/7/2011
113	Pre-construction	30787993	R4 NEW REG STATION - POWER INN & CUCAM	9/13/10			11/16/2011
114	Pre-construction	30784975	RBLD DR D-36, WEBER & FARRINGTON, FR	12/31/10			7/27/2011
115	Pre-construction	30767694	R7 RC REBUILD REGULATOR STA R13 / EUREKA	8/30/10			10/31/2012
116	Pre-construction	30761915	=P RM REPL CRK CROSSING, LUCAS VLY RD	5/25/10			9/23/2011
117	Pre-construction	30755087	ORB-38, E. GRIDLEY RD, GRIDLEY	7/23/10			5/25/2012
118	Pre-construction	30753589	R6 GD REBUILD RED BLUFF DR 103	5/10/10			3/30/2012
119	Pre-construction	30679554	G RM PACIFIC AVE., SANTA ROSA -	2/3/09			3/30/2012
120	Pre-construction	30679552	G RM SHORT ST., VALLEJO	1/8/09			10/28/2011
121	Pre-construction	30676477	R2 INSTALL DRS JUNIPERO SERRA STANFORD.	3/23/09			12/30/2011
122	Pre-construction	30676390	R1 SHOREWAY DR BELMONT	5/15/09			9/30/2011
123	Design	30799615	R4E REBUILD DR MRC-10, OLIVEHRST	11/29/10			9/28/2012
124	Design	30741812	R7 C45 STANFORD-WELLESLEY 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 DOBBINS@ KENDAL,VACAVILLE	$ 26.55	$ 491.42
30616130	OC4 GP PRP ELIZABETH@ MASON,VACAVILLE	$ 63.47	$ 718.35
30616134	OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE	$ 167.89	$ 1,703.30
30649246	OC1 GPRP BALBOA TERRACE, SAN FRANCISCO	$ 19.94	$ 2,087.84
30674899	OC1 G GPRP SAINT FRANCIS 4, SF	$ 68.32	$ 1,608.69
30674922	OC1 G GPRP GEARY 4 SAN FRANCISCO	$ 82.97	$ 4,099.49
30675123	OC2G 1,270-FT4"PL:GREATAMERICAPKWY,SC	$ 94.06	$ 281.25
30692911	OC1 G REBUILD CORNWALL DR STN, PITTSBUR	$ 28.19	$ 484.75
30714055	OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL	$ 20.48	$ 381.78
30737244	OC4 GPRP SANTA MARGARITA, SAN RAFAEL	$ 37.02	$ 391.62
30737291	OC4 GPRP I STREETPETALUMA	$ 85.41	$ 1,073.09
30740781	OC4 VACA VLY & SHELTERCOVE - INSTLR	$ 173.72	$ 409.98
30741372	OC2 GPRPTHIRDSTREETOAKDALEPHASE2	$ 35.31	$ 753.95
30742428	OC4 INST 1700FT 6-IN PL, BRUCE RD, CHICO	$ 386.24	$ 572.20
30747707	OC1 DUBLIN BLVD DUBLIN INSTALL 4100 FT O	$ 140.69	$ 1,186.00
30749119	GPCAPACITY:6"HP PARALLEL MAIN MODESTO	$ 30.98	$ 770.65
30751625	OC4 GP RM REPL HWY CROSSING, MAGAZINE ST	$ 50.39	$ 626.01
30753677	OC1 G GPRP BAYVIEW 2 SAN FRANCISCO	$ 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 STAPLES SAN FRANCISCO	$ 238.81	$ 1,439.37
30754774	OC1 G GPRP HOLLY PARK 1 SF	$ 334.06	$ 3,242.10
30757362	OC1 G DR STATION CARION CT PITTSBURG	$ 11.31	$ 261.97
30758821	OC1 INSTLL 400" PL AND ABANDON DR STN 2	$ 277.82	$ 290.23
30759573	OC1 GREPL MAIN CASITAS & CRESTA VISTA,	$ 489.08	$ 631.37
30759576	OC1 G REPL R-11 DEWEY & LAGUNA HONDA, SF	$ 495.03	$ 820.47
30760327	OC1 REPL 700' OF 2" WITH 2"PL ESPL. PAC	$ 35.66	$ 244.24
30761621	OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE	$ 122.38	$ 792.74
30762994	OC4 GD CAPACITY CENTRAL AVE MCKINLEYVIL	$ 18.11	$ 521.13
30766290	OC2 2010 INST ANODES (15) FRESNO DIVISN	$ 362.71	$ 434.06
30783043	OC1 CORDILLERAS REDWOOD CITY	$ 396.59	$ 457.76
30784111	OC2 CAPACITY INCREASE HARLAN RNCH CLOVIS	$ 24.70	$ 571.19
30786843	OC1 RH-06-INSTALL DR.ST. VERMONT & "B" S	$ 142.00	$ 1,016.08
30789549	OC1 BYRON MAIN EXTENSION - BIXLER RD BYR	$ 754.16	$ 806.11
30793853	OC2 REPL. MAIN HEIGHT & BERKELEY ST,BAK.	$ 23.58	$ 331.71
30804481	OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN	$ 408.36	$ 408.77
30805155	GP 214 E OLIVE AVE FRESNO	$ 183.36	$ 343.61
30807801	OC1 G GPRP SUNSET 2, SF	$ 2,839.06	$ 2,847.79
30815779	OC1 G GPRP HOLLYPARK 1 (100 APPLETON AVE	$ 357.74	$ 488.81
30829626	OC1 E G GPRP OCEAN AND PLYMO UTH, SF	$ 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	G/T/D	Map #	# of Locations on Map	Related Job #	Comments Cause for Discrepancy	Code	Date Corrected
DA	4/27/2011	Construction	MOFFETT & BAYSHORE	T	3349-E6	1		UPDATED DIAGRAM	M	5/13/2011
DA	4/27/2011	Construction	GRANT & FREMONT	T	3410-A4	1		UPDATED DIAGRAM	M	5/13/2011
DI	2/10/2011	Estimating	1250 Springbrook	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	Dublin Bl/Village Pkwy valve posted in wrong location	L	23B02	1	30220193	As-built gave wrong measurement for valve	A	2/3/2011
MI	2/16/2011	Mapping	Buckhorn Creek, Deep Creek	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	Andrade Rd. wrong GM #	T	25D07	1	GM440653-68	Job # on map differed from actual Job #	M	3/17/2011
MI	3/18/2011	Construction	Cabrillo Dr., duplicate service	L	20A06	1		Service was posted in 2 locations	M	3/18/2011
MI	3/18/2011	Construction	Thornton Ave., service on map not in field		20A06	1		Paperwork not received by Mapping notifying of a service cut-off	U	3/18/2011
MI	4/26/2011	Construction	7th St. c/o main still on map		29F07	1	GM4749057-89	Mapping Discrepancy	M	4/26/2011
MI	4/18/2011	Construction	Franklin Ave.	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	2231 SPRING ST	T	3279-F3-3	1		This was in the queue to be updated	B	1/21/2011
PN	1/20/2011	Construction	BLACKBURN AVE BLK 8 & 15	T	3280-J2	8		This was in the queue to be updated	B	1/25/2011
PN	1/28/2011	Construction	2561 El Camino, Redwood City	I		3		Switched address locations	a	2/1/2011
PN	2/16/2011	Construction	80 MIRADA, Half Moon Bay		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	401 LEE, HALF MOON BAY		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	515 SEQUOIA AVE, Redwood City		3279-J2	1		Added missing information from Gas Service Record	A	4/19/2011
PN	4/18/2011	Other Division Personnel	130 DOHERTY WY, REDWOOD CITY		3279-J2	1		This was in the queue to be updated	B	4/19/2011
PN	4/4/2011	Other Division Personnel	221 CENTRAL AVE, Half Moon Bay		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	401 LEE AVE, HALF MOON BAY		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	524, 528, 540 & 544 BERKELEY AVE		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	790 12th, Redwood City		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	3018 I Dt. Sac	T	2525 I7	1		No Excess Flow Valve	A	2/2/2011
SF	1/18/2011	Planning	Hudson & Keith		4-E06	1		Missing Main line Valve		1/18/2011
SF	2/24/2011	Planning	Along Forest side	B	3-E11	1		Main was deleted		2/24/2011
SF	2/24/2011	Compliance	Paul & Crane St	T	4-F04	1		Mapping Discrepancy	M	2/24/2011
SF	3/17/2011	Estimating	474 Joost Ave		3-E13	1		Mapping Discrepancy	M	3/17/2011
SF	3/22/2011	Planning	224 Ridgewood	L	3-E13	1		The service was posted twice		3/22/2011
SF	3/29/2011	Planning	1900 block of Market		3-A16D	1		Mapping Discrepancy	M	3/29/2011
SF	3/29/2011	Planning	Market & Duboce	P	3-A16D	1		Mapping Discrepancy	M	3/29/2011
SF	3/30/2011	Planning	Post and Divisadero		1-F14	1		Valve number was missing		3/30/2011
SF	3/30/2011	Planning	Detroit and Flood	T	3-F14	1		Mapping Discrepancy	M	3/30/2011
SF	3/30/2011	Planning	1640 Evans Ave		4-D05	1		The service was never labeled		3/30/2011
SF	3/30/2011	Planning	1300 Evans		4-D06	1		Too many unnecessary lines		3/30/2011
SF	3/30/2011	Planning	Bosworth & Diamond		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	23rd & Vermont		4-C03	1		Mapping Discrepancy	M	4/1/2011
SF	4/6/2011	Planning	16th & Bryant Sts.	T	4-B02B	1		Removed valve number, unmaintained valve should be un-numbered.	M	4/6/2011
SF	4/7/2011	Planning	Oakdale & Selby		4-E04A	1		Mapping Discrepancy	M	4/7/2011
SF	4/8/2011	Planning	Stanyan & Page	T	3-A13C	1		Removed valve number, unmaintained valve should be un-numbered.	M	4/8/2011
SF	4/8/2011	Planning	50 Cotter St	T	3-F15B	1		Service was never updated in 1972.		4/8/2011
SF	4/12/2011	Planning	Alemany & Ellsworth		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	625 Holly Park circle		4-E01	1		Service was posted incorrectly.	M	5/3/2011
SF	5/3/2011	Planning	3rd and La Salle		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	115 E. Empire St, Grass Valley		2102-G1	1		Service found in field	J	1/13/2011
SI	2/10/2011	Construction	L-124 Gas Service Record 124-20		2215-C8	1		service no longer exists	U	4/2/2011
SI	3/8/2011	Construction	920 14TH ST. - MARYSVILLE	L	2154-D6	2	30832971	Corrected Main dimentions	U	3/15/2011
SI	4/14/2011	Construction	2836 RAILROAD AVE	L	2214-A3	1		Wrong Location on map		4/15/2011
SJ	1/12/2011	Construction	810 September dr	E	3410-f8	1		added m-2 to plat		1/13/2011
SJ	3/22/2011		1096 S. 2nd St. San Jose		3413-E6			add EM		3/22/2011
SJ	3/9/2011		1109 McKay San Jose		3352-G4			add EM		3/9/2011
SJ	3/9/2011		N First & Tasman operating diagram		3351-E5			Show valve-V4 & V3		3/9/2011
SJ	3/11/2011		Tully Rd & La Ragione		3414-F2			show valve-14-F2C & D		3/11/2011
SJ	6/23/2011		STOCKTON & ASBURY	E	3413-C1	1		WELDED OVER M-2		
SJ	6/27/2011	Planning	PARK AND MERIDIAN	T	3413-E1	2		WRONG VALVE #S	M	6/27/2011
SJ	6/27/2011	Construction	MONTEREY AND TULLY		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	17h	17b	17b	17c	17g	17g	17h	17k	17k	17l	17m	17n	17o		17p	17q	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 (Manufacture 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	30826926	OC1 E G GPRP OCEAN AND PLYMOUTH, SF	Gas Pipeline Replacement Program	Steel 1936	508' of 12" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT F12	2010	2011	Dresopipe	n/a	60	50	PSIG	56' of 2" Plastic 44' of 3" Plastic 490' of 6" Plastic	Refer to Attachment 17.2	3 Services	Reduce 12" to 8". Meets capacity requirements
2	Complete	NO	30815378	OC1 G GPRP HOLLYPARK 1 1100 APPLETON AVE	Gas Pipeline Replacement Program	Cast Iron Unknown	604' of 4" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT E01	2010	2011	Dresopipe	n/a	60	60	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	OC1 G GPRP SUNSET 2, SF	Gas Pipeline Replacement Program	Cast Iron 1911-1927 Steel 1932-1963 Plastic 1969	3259' of 4" Cast Iron 675' of 12" Cast Iron 1800' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT C11 WALL 0003 PLAT C10	Plastic 2009-11 Upsized Plastic Date Not Located	2011 Upsize 1960	Plastic Dresopipe Uprated Plastic Refer to Attachment 17.2	n/a	60	50	PSIG	5791' of 2" Plastic 589' of 4" Plastic Uprate 825' 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	GP 214 E OLIVE AVE FRESNO	Deactivate Main	Steel 1940 Plastic 1975	597' of 4" Plastic 140' of 3" Steel	Reliability General	Fresno	Fresno	WELL 2668 PLAT D5	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	OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN	Gas Pipeline Replacement Program	Cast Iron Unknown	912' of 4" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT D15	2010	2011	Dresopipe	n/a	60	50	PSIG	548' 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	OC2 REPL MAIN HEIGHT & BERKELEY ST,BAK	Gas Pipeline Replacement Program	Steel 1937-1939	930' of 4" Steel	Pipeline Repl Program	Kern	Bakersfield	WALL 4031 PLAT I02	2010	2011	Dresopipe	n/a	10.5	9	in WC	676' of 4" Plastic	Refer to Attachment 17.2	No effect	No significant change.
7	Complete	NO	30789549	OC1 BYRON MAIN EXTENSION - BIXLER RD BYR	New Capacity Main Install/ Enforcement	n/a	n/a	Capacity	Diablo	Antioch	WALL 0004 PLAT F9	2010	2011	Performance	n/a	60	55	PSIG	12460' of 4" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 0 to 44 psig
8	Complete	NO	30786943	OC1 RH-08-INSTALL DR,ST. VERMONT & "B" S	New Capacity Regulator Station	n/a	n/a	Capacity	Mission	Hayward	WALL 0012 PLAT E16	n/a	2011	n/a	n/a	58	50	PSIG	n/a	n/a	No effect	No significant change.
9	Complete	NO	30784111	OC2 CAPACITY INCREASE HARLAN RNCH CLOVIS	New Capacity Main Install/ Enforcement	n/a	n/a	Capacity	Fresno	Fresno	WALL 3805 PLAT D5 WALL 3805 PLAT C5 WALL 3805 PLAT B5	Plastic 2010 Steel 2010	2011	Plastic Dresopipe Steel Tenaris	Seamless	60	56	PSIG	4560' of 6" Plastic 1130' 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	OC1 CORDILLERAS REDWOOD CITY	New Capacity Main Install/ Enforcement	Plastic 1987	600' of 2" Plastic	Capacity	Peninsula	San Carlos	WALL 3278 PLAT G4	2010	2011	Dresopipe	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	30768296	OC2 2010 INST ANODES (15) FRESNO DIVISN	Reliability Cathodic Protection Systems	n/a	600' of 2" Plastic	Reliability General	Fresno	Fresno	VARIOUS	n/a	2011	n/a	n/a	Various	Various	n/a	n/a	n/a	No effect	No significant change.
12	Complete	NO	30762994	OC4 GD CAPACITY CENTRAL AVE MCKINLEYVIL	New Capacity Main Install/ Enforcement	n/a	n/a	Capacity	Humboldt	Eureka	WALL 0784 PLAT A1 WALL 0784 PLAT B1	2009-10	2010	Dresopipe	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	30761621	OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE	Reliability Main Replacement	Steel 1948-1962	299' of 2" Steel 1949' of 6" Steel 470' of 8" Steel	Reliability General	San Francisco	San Francisco	WALL 0006 PLAT B03	2009-10	2010	Dresopipe	n/a	60	50	PSIG	1333' of 4" Plastic	Refer to Attachment 17.2	5 Services	No significant change.
14	Complete	NO	30760327	OC1 REPL 700' OF 2" WITH ZPL ESPL PAC	Reliability Main Replacement	Steel 1966 Plastic 1973	219' of 2" Plastic 694' of 2" Steel	Reliability General	Peninsula	Colma	WALL 0007 PLAT B07	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	30759578	OC1 G REPL R-11 DEWEY & LAGUNA HONDA, SF	Reliability Regulator Station Replacement	Steel 1937-1954 Cast Iron 1926	50' of 3" Steel 234' of 6" Steel	Reliability General	San Francisco	San Francisco	DR186 ROUSSEAU & ALEMANY BLVD ST	n/a	2011	n/a	n/a	60 Inlet 10.5 Outlet	60 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	OC1 GREPL MAIN CASTAG & GRESTA VISTA,	Reliability Main Replacement	Steel 1927-1951 Cast Iron 1911	77' of 4" Cast Iron 1535' of 4" Steel	Reliability General	San Francisco	San Francisco	WALL 0003 PLAT E12	2010	2011	Dresopipe	n/a	10.5	10	in WC	348' of 4" Plastic 434' of 6" Plastic	Refer to Attachment 17.2	19 Services	No significant change
17	Complete	NO	30758921	OC1 INSTALL 400F PLAND ABANDON DR STN 2	Deactivate Regulator Station	Steel 1957	660' of 2" Steel	Reliability General	Peninsula	Colma	WALL 0010 PLAT A07	n/a	2011	n/a	n/a	50	47	PSIG	n/a	n/a	1 Services	No significant change
18	Complete	NO	30757362	OC1 G DR STATION CARON CT PITTSBURG	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Diablo	Antioch	WALL 0052 PLAT E9	n/a	2011	n/a	n/a	60	55	PSIG	n/a	n/a	No effect	No significant change
19	Complete	NO	30754774	OC1 G GPRP HOLLY PARK 1 SF	Gas Pipeline Replacement Program	Cast Iron 1915-1940 Plastic 1973	2941' of 4" Cast Iron 770' of 10" Cast Iron 912' of 4" Plastic	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT E01 WALL 0003 PLAT E16	Plastic 2010 Upsized Plastic Date Not Located Uprated Steel Date Not Located	2011 Upsize 1972 Steel 1999 Plastic	Plastic Dresopipe Uprated Plastic Refer to Attachment 17.1 Uprated Steel Not Located	Upsize 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	256 Services	Convert from MAOP 10.5 in wc to 60 psig system
20	Complete	NO	30754768	OC1 G GPRP STAPLES SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1917-1926 Steel 1969	2343' of 4" Cast Iron 972' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT F13 WALL 0003 PLAT F12	2009	2010	Dresopipe	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	30753877	OC1 G GPRP BAYVIEW 2 SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1912-1927	4091' of 4" Cast Iron	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT E05 WALL 0004 PLAT F05	2008-10	2010	Dresopipe	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	30751825	OC4 GP RM REPL HWY CROSSING, MAGAZINE ST	Reliability Main Replacement	Steel 1942-1957	1057' of 2" Steel 550' of 3" Steel	Reliability General	North Bay	Vallejo	WALL 2967 PLAT D8	Plastic 2009 Steel 6" - 2009 10" - 2010	2010	Plastic US Poly Steel 6" - Vesta/Arcelor 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	GPCAPACITY 6"HP PARALLEL MAIN MODESTO	New Capacity Main Install/ Enforcement	n/a	n/a	Capacity	Yosemite	Modesto	WALL 3177 PLAT A3 WALL 3177 PLAT B3 WALL 3123 PLAT E2	2010	2010	Dresopipe	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	OC1 DUBLIN BLVD DUBLIN INSTALL 4100 FT O	New Capacity Main Install/ Enforcement	n/a	n/a	Capacity	Mission	Hayward	WALL 0017 PLAT C16 WALL 0017 PLAT C15 WALL 0017 PLAT C14	2008-10	2010	Dresopipe	n/a	55	50	PSIG	4174' of 8" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 0 to 17 psig
25	Complete	NO	30742428	OC4 INST 1700FT 6-IN PL, BRUCE RD, CHICO	New Capacity Main Install/ Enforcement	n/a	n/a	Capacity	North Valley	Chico	WALL 1718 PLAT H7	2008-10	2011	Dresopipe	n/a	60	57	PSIG	1960' of 6" Plastic	Refer to Attachment 17.2	No effect	APD minimum pressure increase from 1 psig to 18 psig
26	Complete	NO	30741372	OC2 GPRP THIRD STREET OAKDALE PHASE 2	Gas Pipeline Replacement Program	Steel 1917-1929	840' of 2" Steel	Pipeline Repl Program	Yosemite	Oakdale	WALL 3122 PLAT F08 WALL 3122 PLAT E07	2009	2010	Upsinor	n/a	60	50	PSIG	2163' of 2" Plastic	Refer to Attachment 17.2	36 Services	Convert from MAOP 10.3 in wc to 60 psig system.
27	Complete	NO	30740781	OC4 VACA VLY & SHELTER COVE - INSTL R	New Capacity Regulator Station	n/a	n/a	Capacity	Sacramento	Vaca Dixon	WALL 2648 PLAT I1	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	OC4 GPRP I STREET PETALUMA	Gas Pipeline Replacement Program	Steel 1925-1960	2376' of 2" Steel	Pipeline Repl Program	Sonoma	Petaluma	WALL 2768 PLAT H06	2008-10	2010	Dresopipe	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	OC4 GPRP SANTA MARGARITA, SAN RAFAEL	Gas Pipeline Replacement Program	Steel 1934-1953 Wrought Iron 1931, 1932	390' of 2" Steel 258' of 2" Wrought Iron	Pipeline Repl Program	North Bay	San Rafael	WALL 2927 PLAT J03	2010	2010	Dresopipe	n/a	57	54	PSIG	526' of 2" Plastic	Refer to Attachment 17.2	15 Services	No significant change
30	Complete	NO	30714055	OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Sacramento	Sacramento	DR 062 ROSEVILLE REPALM AVE	n/a	2011	n/a	n/a	60	57	PSIG	n/a	n/a	No effect	No significant change.
31	Complete	NO	30692911	OC1 G REBUILD CORNWALL DR STN, PITTSBUR	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Diablo	Antioch	WALL 0052 PLAT D7	n/a	2011	n/a	n/a	17	15	PSIG	n/a	n/a	No effect	No significant change.
32	Complete	NO	30676123	OC2 G 1,270 FT 4"PL GREAT AMERICA PKWY,SC	New Capacity Main Install/ Enforcement	n/a	n/a	Capacity	San Jose	Clinobar	WALL 3081 PLAT D1 WALL 3351 PLAT E1	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	OC1 G GPRP GEARY 4 SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1926 Plastic 1976-1980 Steel 1936-1958	333' of 3" Cast Iron 1597' of 4" Cast Iron 913' of 6" Cast Iron 2490' of 8" Cast Iron 865' of 4" Steel 487' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0001 PLAT F12 WALL 0001 PLAT F13	Plastic 2008-10 Uprated Plastic Date Not Located Steel 2009, 2010	2010 Upsize 1975, 1980	Plastic Dresopipe Uprated Plastic Refer to Attachment 17.2 Steel Tenaris	Seamless	60	50	PSIG	368' of 12,750" Steel 4968' of 2" Plastic 27' of 4" Plastic Uprate 1136' 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	30674889	OC1 G GPRP SAINT FRANCIS 4, SF	Gas Pipeline Replacement Program	Cast Iron 1915-1928 Plastic 1975-1994 Steel 1956-1959	4495' of 4" Cast Iron 3420' of 4" Plastic 526' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT E11	2010	2010	Dresopipe	n/a	60	50	PSIG	Uprate 3247' of 2" Plastic 3573' 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	OC1 GPRP BALBOA TERRACE, SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1914-1928 Steel 1929-1931	4332' of 4" Cast Iron 169' of 6" Cast Iron 270' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT E11 WALL 0003 PLAT E10	2009-10	2010	Dresopipe	n/a	60	50	PSIG	5108' 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
PROJECT DESCRIPTIONS

	13	14		17a	17b	17j	17k	17c	17g	17g	17h	17i	17k	17l	17m	17n	17o		17p	17q	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 17o and 17q)	Pipeline Dimensions: Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
36	Complete	NO	30816134	OC1 G BERKELEY GPRP - PH1 ASHBY UPRATE	Gas Pipeline Replacement Program	Cast Iron Pre-1900 - 1928 Plastic 1978-1982 Steel 1928-1940	2515' of 4" Cast Iron 2067 of 2" Steel 1150' of 3" Steel	Pipeline Repl Program	East Bay	Oakland	WALL 0005 PLAT D05 WALL 0005 PLAT D06	2008-10	2010	Dresser/pe	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	30816126	OC4 GP PRP ELIZABETH @ MASON, VACAVILLE	Gas Pipeline Replacement Program	Steel 1939	2500' of 2" Steel	Pipeline Repl Program	Sacramento	Vacaville	WALL 2715 PLAT D08 WALL 2715 PLAT D06	2010	2010	Dresser/pe	n/a	51	48	PSIG	2184' of 2" Plastic	Refer to Attachment 17.2	36 Services	No significant change.
38	Complete	NO	30816128	OC4 G PRP DOBBINS @ KENDAL, VACAVILLE	Gas Pipeline Replacement Program	Unknown	2134' of 2" Steel	Pipeline Repl Program	Sacramento	Vacaville	WALL 2715 PLAT D08	2008-09	2010	Dresser/pe	n/a	51	48	PSIG	1767' of 2" Plastic	Refer to Attachment 17.2	34 Services	No significant change.
39	Documentation	NO	30835536	OC4 GD GPRP FIRST ST WEST, SONOMA	Gas Pipeline Replacement Program	Steel 1931	1050' of 2" Steel	Pipeline Repl Program	Sonoma	Santa Rosa	WALL 2708 PLAT J04					42	39	PSIG	1125' of 2" Plastic	Refer to Attachment 17.2	20 Services	No significant change.
40	Documentation	NO	30807861	OC1 GPRP CAPITOL 3, SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1915-1927 Plastic 1977-1979 Steel 1928-1930	3710' of 4" Cast Iron 679' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0005 PLAT A12 WALL 0005 PLAT A13					60	50	PSIG	4983' 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	HUNTINGTON & 5TH 2011 GPRP FRESNO	Gas Pipeline Replacement Program	Cast Iron 1914-1929	3402' of 4" Cast Iron 1401' of 6" Cast Iron	Pipeline Repl Program	Fresno	Fresno	WALL 3869 PLAT F09 WALL 3869 PLAT G03 WALL 3869 PLAT F04					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	OC1 R4E G GPRP SAN BRUNO, SF	Gas Pipeline Replacement Program	Cast Iron 1912-1922 Steel 1962	2659' of 4" Cast Iron 1421' of 6" Cast Iron 279' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT F03					60 10.5	50 10	PSIG in WC	2539' 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	INST 1050' OF 8" PL, ELM ST, LIVE	New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Sierra	Marysville	WALL 2092 PLAT A6 WALL 2092 PLAT A7					50	47	PSIG	1050' of 8" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 9 psig to 13 psig
44	Documentation	NO	30797736	+LOCUST, LEE TO SACRAMENTO, LODI +	New Capacity Main Install / Enforcemnt	n/a	n/a	Capacity	Stockton	Stockton	WALL 2876 PLAT D2 WALL 2876 PLAT D3					10.5	9.5	in WC	1540' of 8" Plastic	Refer to Attachment 17.2	No effect	APD Minimum pressure increase from 4" wc to 9.5" wc
45	Documentation	NO	30782827	R2L REPL VALVES @THP-24, FRESNO & NAVY +	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Stockton	Stockton	DR 934 NAVY DR/FRESNO ST-1/RU-1					60	55	PSIG	n/a	n/a	No effect	No significant change
46	Documentation	YES	30756384	A-16 JUMPERO & ARASTRADERO BLOCK VALVE	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	De Anza	Cupertino	WALL 3348 PLAT F5					60	57	PSIG	n/a	n/a	No effect	No significant change.
47	Documentation	NO	30757361	R2 INST 17800 FT OF 8" PL MAIN FRESNO	New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Fresno	Fresno	WALL 3876 PLAT H9 WALL 3876 PLAT I8 WALL 3931 PLAT A8 WALL 3931 PLAT B8 WALL 3932 PLAT B1 WALL 3932 PLAT B2					60	56	PSIG	17963' of 8" Plastic	Refer to Attachment 17.2	500 Services	Increased capacity 400 MCFH, APD Minimum pressure ? PSIG
48	Documentation	NO	30757351	OC1 G REBUILD DR STA CRESCENT DR CONC	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Diablo	Concord	DR C11 CRESCENT DR & HWY 242					60	57	PSIG	n/a	n/a	No effect	No significant change
49	Documentation	NO	30756701	8TH & LINCOLN, STOCKTON	Reliability Main Replacement	Steel 1938-1947	550' of 3" Steel 380' of 2" Steel	Reliability General	Stockton	Stockton	WALL 3805 PLAT H1					60	55	PSIG	330' of 2" Plastic 550' of 4" Plastic	Refer to Attachment 17.2	18 Services	No significant change
50	Documentation	NO	30756040	GRANTLINE & L 2 +	Reliability Main Replacement	Steel 1951-1956	2650' of 2" Steel 4007 of 0.75" Steel	Reliability General	Stockton	Tracy	WALL 3111 PLAT G7 WALL 3111 PLAT G8					60	40	PSIG	430' of 11" Plastic 1280' of 2" Plastic 2500' of 4" Plastic	Refer to Attachment 17.2	24 Services	No significant change.
51	Documentation	NO	30754764	OC4 R-003 ORLAND TERTIARY RBLD, WOODWAR	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Chico	DR G 003 WOODWARD/SHASTA					48	40	PSIG	n/a	n/a	No effect	No significant change.
52	Documentation	NO	30750011	WEST FRESNO GPRP 2010	Gas Pipeline Replacement Program	Cast Iron 1915-1925	4130' of 4" Cast Iron 1131' of 6" Cast Iron	Pipeline Repl Program	Fresno	Fresno	WALL 3868 PLAT C08 WALL 3868 PLAT B06					10.5	9.5	in WC	5100' of 4" Plastic	Refer to Attachment 17.2	73 Services	No significant change
53	Documentation	NO	30680568	G S 12TH & S 13TH ST, SAN JOSE GPRP	Gas Pipeline Replacement Program	Steel 1929 Wrought Iron 1925-1931	1150' of 3" Wrought Iron 300' of 3" Steel 1002' of 6" Wrought Iron	Pipeline Repl Program	San Jose	Cinnabar	WALL 3413 PLAT D06 WALL 3413 PLAT C06					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 2280' MAOP 10.5 in wc to 60 psig system and 1686' with no significant change
54	Documentation	NO	30680952	GPRP,LOCUST&WASHINGTON, LODI PH&8	Gas Pipeline Replacement Program	Plastic 1982-1988 Steel 1913-1968	1490' of 3" Steel 899' of 4" Steel 1348' of 6" Steel 1790' of 2" Steel 203' of 4" Plastic 229' of 1.25" Plastic 286' of 2" Plastic	Pipeline Repl Program	Stockton	Stockton	WALL 2870 PLAT D04 WALL 2870 PLAT E04 WALL 2870 PLAT D03					60	55	PSIG	5940' of 2" Plastic 495' of 4" Plastic Uprate 112' of 1.25" Plastic Uprate 385' of 2" Plastic Uprate 295' 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	GP HAZEL AVE BETW GREENBACK & FORTUNA	Reliability Main Replacement	1954	271' of 8" Unknown Materia	Reliability General	Sacramento	Sacramento	WALL 2469 PLAT G5					50	47	PSIG	281' of 8" Plastic	Refer to Attachment 17.2	7 Services	No significant change
56	Construction	NO	30840277	R2 CONVERT JAHANT RD DFM TO DISTRIBUTION	Cast HPR Reg Sta Conv Dist Main	n/a	n/a	Regl/Convert Cast HPR	Stockton	Victor	WALL 2807 PLAT J7 WALL 2808 PLAT J11 WALL 2808 PLAT I3 WALL 2808 PLAT H5 WALL 2809 PLAT F3 WALL 2809 PLAT G8 WALL 2809 PLAT E9 WALL 2809 PLAT G4 WALL 2809 PLAT G5 WALL 2809 PLAT G6 WALL 2809 PLAT G7 WALL 2810 PLAT G1 WALL 2810 PLAT G3 WALL 2810 PLAT H4					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 18 regulator stations
57	Construction	NO	30835701	GPRP GROVE HILLAVE, SAN ANSELMO	Gas Pipeline Replacement Program	Wrought Iron 1924-1932 Steel 1948-1962	300' of 2" Steel 1375' of 2" Wrought Iron	Pipeline Repl Program	North Bay	San Rafael	WALL 2827 PLAT J02					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	30829825	M GPRP - CONGO 1 - SF	Gas Pipeline Replacement Program	Cast Iron 1916-1928 Steel 1929	637' of 4" Cast Iron 417' of 6" Cast Iron 843' of 2" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT E14					10.5	10	in WC	991' of 4" Plastic 1764' of 6" Plastic	Refer to Attachment 17.2	92 Services	No significant change
59	Construction	NO	30827211	GP RM BUHMAN & TWIN OAKS, NAPA	Reliability Main Replacement	Plastic 1980	1780' of 3" Plastic 2200' of 4" Plastic	Reliability General	North Bay	Napa	WALL 2710 PLAT J2 WALL 2710 PLAT J3					60	50	PSIG	3940' of 4" Plastic	Refer to Attachment 17.2	33 Services	No significant change.
60	Construction	NO	30820194	M GPRP CRESCENT 3, SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1911-1925 Steel 1931-1973	3451' of 4" Cast Iron 165' of 4" Steel 738' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT E01					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	30821401	R1 E G GPRP BERNAL HEIGHTS, SF	Gas Pipeline Replacement Program	Cast Iron 1911-1925 Steel 1954-1958 Plastic 1973-1974	982' of 4" Cast Iron 1673' of 6" Cast Iron 439' of 10" Cast Iron 148' of 2" Plastic 147' of 4" Plastic 460' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT D01 WALL 0003 PLAT E16 WALL 0004 PLAT E01					60	50	PSIG	1779' of 2" Plastic 580' 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	G GPRP JOOST, SF	Gas Pipeline Replacement Program	Cast Iron 1926-1928 Steel 1936-1960 Plastic 1980-2000	1095' of 4" Cast Iron 500' of 16" Cast Iron 1455' of 4" Plastic 3080' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT E13 WALL 0003 PLAT E14					60 10.5	50 10	PSIG in WC	3501' of 2" Plastic 108' of 4" Plastic 64' of 6" Steel 997' 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	OC1 MAIN REINFORC - STONE VLLY RD., ALAMO	New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Diablo	Concord	WALL 0050 PLAT E-05 WALL 3905 PLAT D5					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	R4 G GPRP ATHENS, SF	Gas Pipeline Replacement Program	Cast Iron 1917-1926 Steel 1939	630' of 4" Cast Iron 60' of 6" Cast Iron 630' of 6" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT F16					10.5	10	in WC	330' of 4" Plastic 630' of 6" Plastic	Refer to Attachment 17.2	72 Services	TBD Project is in design

TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS

13	14	15	17a	17b	17c	17d	17e	17f	17g	17h	17i	17j	17k	17l	17m	17n	17o		17p	17q	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 17o and 17p)	Pipeline Dimensions: Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
65	Construction	NO	30820278	G GPRP BALBOA PARK 4, SF	Gas Pipeline Replacement Program	Cast Iron 1914-1925 Steel 1928-1962 Wrought Iron 1928	930' of 4" Cast Iron 1510' of 6" Cast Iron 1085' of 2" Steel 1566' of 4" Steel 1550' of 6" Steel 590' of 2" Wrought Iron	Pipeline Repl Program	San Francisco	San Francisco	WALL 0903 PLAT F15					60 10.5" wc	50 10" wc	PSIG	5768' of 2" Plastic 796' of 6" Plastic 187' of 6" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	167 Services	Convert 5961' MAOP 10.5 in wc to 60 psig system and 950' with no significant change
66	Construction	NO	30814278	RCL GP WINDSOR, ALAMEDA GPRP	Gas Pipeline Replacement Program	Steel 1938-1940	2280' of 2" Steel 1080' of 3" Steel	Pipeline Repl Program	East Bay	Oakport	WALL 0009 PLAT B10					15	14	PSIG	4167' of 1.25" Plastic	Refer to Attachment 17.2	66 Services	No significant change
67	Construction	NO	30810057	G RM REPL MAIN, ORANGE AVE, NOVATO	Reliability Main Replacement	Steel 1945-1951	768' of 2" Steel	Reliability General	North Bay	San Rafael	WALL 2802 PLAT F2					56	52	PSIG	800' of 2" Plastic	Refer to Attachment 17.2	22 Services	No significant change.
68	Construction	NO	30810051	GP REPL MAIN BRIDGEWY BRDVLK SAUSALT	Reliability Main Replacement	Steel 1956	1176' of 2" Steel	Reliability General	North Bay	San Rafael	WALL 3042 PLAT E2					50	47	PSIG	180' of 2" Steel	Refer to Attachment 17.3	3 Services	No significant change.
69	Construction	YES	30812259	REBUILD MARSHALL DRIVE DR STATION	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Diablo	Concord	WALL 0049 PLAT E4					60	57	PSIG	n/a	n/a	No effect	No significant change
70	Construction	NO	30810294	BERKELEY GPRP - PHASE 2, PRINCE/TELEG	Gas Pipeline Replacement Program	Cast Iron 1914 Plastic 1993-1995 Steel 1958-1963	2530' of 10" Cast Iron 3467 of 2" Plastic 539' of 3" Plastic 168' of 3" Steel 133' of 4" Steel	Pipeline Repl Program	East Bay	Richmond	WALL 0005 PLAT D06 WALL 0005 PLAT E05					60	50	PSIG	3097' of 2" Plastic 2880' of 6" 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	REBLD DR MRC 12, 1ST & E ST, WHEAL	New Capacity Regulator Station	n/a	n/a	Capacity	Sierra	Marysville	WALL 2217 PLAT J4					56	53	PSIG	n/a	n/a	No effect	Redundancy to prevent outages.
72	Construction	NO	30808712	HUNTINGTON & TULARE 2011 GPRP FRESNO	Gas Pipeline Replacement Program	Cast Iron 1914-1919	2154' of 4" Cast Iron 250' of 10" Cast Iron	Pipeline Repl Program	Fresno	Fresno	WALL 3869 PLAT F02 WALL 3869 PLAT F01					60	56	PSIG	1899' of 2" Plastic 894' of 4" Plastic 320' of 6" Plastic	Refer to Attachment 17.2	36 Services	Convert from MAOP 10.5 in wc to 60 psig system
73	Construction	NO	30808580	GPRP MISSION DISTRICT 4, SAN FRAN	Gas Pipeline Replacement Program	Cast Iron Prior 1900, 1925 Steel 1936-1973 Plastic 1995	605' of 4" Cast Iron 10455' of 6" Cast Iron 125' of 4" Plastic 2575' of 4" Steel 2305' of 12" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT C01					60	50	PSIG	3630' of 2" Plastic 120' of 4" Steel	Refer to Attachment 17.2 Refer to Attachment 17.3	109 Services	Convert from MAOP 10.5 in wc to 60 psig system
74	Construction	NO	30808261	R4E G GPRP 19TH ST, SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1915-1948 Steel 1932-1959	1935' of 4" Cast Iron 1135' of 6" Cast Iron 11765' of 8" Cast Iron 180' of 2" Steel 525' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT B14 WALL 0003 PLAT C14					60 10.5	50 10	PSIG in WC	2242' of 2" Plastic 650' of 4" Plastic 420' of 6" Plastic 1900 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	G GPRP BAYVIEW 3, SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1913-1927 Steel 1931, 1966 Plastic 1968-2000	3410' of 4" Cast Iron 585' of 4" Plastic 100' of 2" Plastic 2883' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT F06 WALL 0004 PLAT F05					50	47	PSIG	3544' of 2" Plastic 705' of 4" Plastic	Refer to Attachment 17.2	120 Services	Convert 3895' MAOP 10.5 in wc to 60 psig and 235' with no significant change.
76	Construction	NO	30808157	G GPRP SOUTH VALENCIA 5, SAN FRANCIS	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 8" Steel 1210' of 16" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT D18 WALL 0004 PLAT C01 WALL 0004 PLAT D01					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	G GPRP PERSIA, SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1914-1929 Steel 1931-1957 Wrought Iron 1928 Plastic 1982	440' 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	San Francisco	San Francisco	WALL 0005 PLAT A16 WALL 0005 PLAT A15					60 10.5	50 10	PSIG in WC	1566' of 2" Plastic 1055' of 4" Plastic 1896' of 6" Plastic	Refer to Attachment 17.2	186 Services	Convert 2475' MAOP 10.5 in wc to 60 psig system and 1421 with no significant change
78	Construction	NO	30808096	G GPRP SUNSET 3, SF	Gas Pipeline Replacement Program	Cast Iron 1913-1915 Steel 1914-1959	4362' of 4" Cast Iron 1218' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0003 PLAT B10					60	50	PSIG	3209' of 2" Plastic 980' of 4" Plastic 1850' 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	G GPRP OCEANVIEW, SAN FRANCISCO	Gas Pipeline Replacement Program	Cast Iron 1913-1916 Steel 1956 Plastic 1999	1059' of 4" Cast Iron 2705' of 6" Cast Iron 90' of 2" Steel 985' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0005 PLAT A12 WALL 0005 PLAT A13 WALL 0005 PLAT B12					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	30807438	HUNTINGTON & 9TH GPRP 2011 FRESNO	Gas Pipeline Replacement Program	Cast Iron 1921- 1927 Steel 1921-1968	1499' of 4" Cast Iron 1478' of 3" Steel 3860' of 4" Steel	Pipeline Repl Program	Fresno	Fresno	WALL 3869 PLAT G04 WALL 3869 PLAT F04 WALL 3869 PLAT F03					60	56	PSIG	109' of 1.25" Plastic 9071' 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	R4E GPRP MISSION DISTRICT 3, SAN FRANC	Gas Pipeline Replacement Program	Cast Iron 1926 Steel 1948	3539' of 4" Cast Iron 215' of 8" Cast Iron 2800' of 6" Cast Iron 3900' of 10" Cast Iron 139' of 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT C01 WALL 0004 PLAT D01					60	50	PSIG	7495' of 2" Plastic	Refer to Attachment 17.2	138 Services	Convert from MAOP 10.5 in wc to 60 psig system
82	Construction	NO	30806814	G GPRP OXFORD, SF	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 8" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0004 PLAT F01					60 11 10.5	50 10 10	PSIG PSIG in WC	2930' of 2" Plastic 1130' 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	30805806	M027972GPRP OUTER MISSION 2	Gas Pipeline Replacement Program	Cast Iron 1916-1928 Steel 1962	3683' of 4" Cast Iron 1270' of 6" Cast Iron 1185' of 4" Steel	Pipeline Repl Program	San Francisco	San Francisco	WALL 0005 PLAT A13 WALL 0005 PLAT B13 WALL 0005 PLAT A14 WALL 0005 PLAT A13					60	50	PSIG	4170' of 2" Plastic 950' 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	REPL LP GPRP 14TH & H, MARYSVILLE	Gas Pipeline Replacement Program	Steel 1924-1930 Wrought Iron 1927	1775' of 3" Steel 390' of 4" Steel 410' of 3" Wrought Iron	Pipeline Repl Program	Sierra	Marysville	WALL 2154 PLAT D07 WALL 2154 PLAT E07					53	50	PSIG	2286' of 2" Plastic	Refer to Attachment 17.2	56 Services	Convert 2295' MAOP 10.5 in wc to 53 psig system
85	Construction	NO	30801105	G HAROLD AVE GPRP, SJ	Gas Pipeline Replacement Program	Steel 1939-1940	1240' of 2" Steel	Pipeline Repl Program	San Jose	Alviso	WALL 3412 PLAT E03 WALL 3412 PLAT D03					60	57	PSIG	1405' of 1.25" Plastic	Refer to Attachment 17.2	26 Services	No significant change
86	Construction	NO	30797133	G CAP_REG 116 REBUILD, YOUNTVILLE	New Capacity Regulator Station	n/a	n/a	Capacity	North Bay	Napa	WALL 2639 PLAT H8					60	50	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 30 psig to 45 psig
87	Construction	NO	30796785	HOOVER GPRP (2011 CRITICAL PROJECT)	Gas Pipeline Replacement Program	Steel 1916-1958	1920' of 2" Steel	Pipeline Repl Program	Peninsula	Colma	WALL 3213 PLAT E07					34	30	PSIG	1900' of 1.25" Plastic	Refer to Attachment 17.2	54 Services	No significant change
88	Construction	YES	30795703	RED BLUFF GPRP CEDAR & JACKSON	Gas Pipeline Replacement Program	Steel 1923-1926	745' of 2" Steel 1130' of 3" Steel	Pipeline Repl Program	North Valley	Red Bluff	WALL 1360 PLAT 109					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	30797989	INST DUAL DR. STATION @GOOD RD FREM	New Capacity Regulator Station	n/a	n/a	Capacity	Mission	Hayward	WALL 0020 PLAT E16					60	50	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 0 to 23 psig
90	Construction	NO	30795447	GR UPGRADE R585-BROADWAY&MACARTHUR,SON	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Sonoma	Santa Rosa	WALL 2771 PLAT A4					42	39	PSIG	n/a	n/a	No effect	No significant change
91	Construction	NO	30793042	BOW DR. & CRESTVIEW DR	New Capacity Regulator Station	n/a	n/a	Capacity	Peninsula	San Carlos	WALL 3278 PLAT G3					34	30	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 9 to 11 psig
92	Construction	YES	30774930	D-9 REBUILD DR 56 WONDERLND, MTN GAT	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Redding	DR R-56 WONDERLAND BLVD@TUNNEL RD					60	40	PSIG	n/a	n/a	No effect	No significant change.
93	Construction	YES	30792547	G GREPLACE REG STA R427 DEPOT ST / GEYS	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Sonoma	Santa Rosa	WALL 2442 PLAT D5					45	35	PSIG	n/a	n/a	No effect	No significant change
94	Construction	NO	30759365	ORB-01 12TH & ORO DAM, OROVILLE	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Chico	DR O B01 12 TH & ORO DAM					55	50	PSIG	n/a	n/a	No effect	No significant change
95	Construction	NO	30759365	ORB-006 MYERS & IDORA RBLD, OROVILLE	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Chico	DR O B06 IDORA AND MYERS					55	50	PSIG	n/a	n/a	No effect	No significant change.
96	Construction	NO	30759378	G PARK AVENUE GPRP - SAN JOSE	Gas Pipeline Replacement Program	Wrought Iron 1927 Steel 1927	4007 of 12" Steel 724' of 8" Wrought Iron	Pipeline Repl Program	San Jose	Alviso	WALL 3412 PLAT C07 WALL 3413 PLAT D01					10.5	9	in WC	1139' of 4" Plastic	Refer to Attachment 17.2	10 Services	No significant change.

TABLE 17-1
PACIFIC GAS AND ELECTRIC COMPANY
PROJECT DESCRIPTIONS

13	14		17a	17b	17k	17k	17c	17g	17g	17h	17k	17i	17l	17m	17n	17o		17p	17q	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 17o and 17q)	Pipeline Dimensions: Footage and Diameter	Pipe Dimension Wall Thickness	Effect on Service	Effect on Other Operations
97	Construction	NO	30749118	GPCAPACITY-PHP PARALLEL MAIN OAKDALE	New Capacity Main Install / Enforcement	n/a	n/a	Capacity	Yosemite	Oakdale	WALL 3123 PLAT E2 WALL 3123 PLAT E3 WALL 3123 PLAT E4					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	PH 1 BERRYESSA RD SAN JOSE GPRP--2010	Gas Pipeline Replacement Program	Wrought Iron 1901	1610' of 2" Wrought Iron	Pipeline Repl Program	San Jose	Cinnabar	WALL 3352 PLAT J35 WALL 3352 PLAT J38					60	57	PSIG	1788' of 6" Plastic	Refer to Attachment 17.2	2 Services	No significant change.
99	Construction	NO	30742231	MERCED PHASE 3 RELIABILITY	Reliability Main Replacement	Steel 1933-1939	418' of 2" Steel 908' of 4" Steel	Reliability General	Yosemite	Merced	WALL 3435 PLAT H4 WALL 3435 PLAT H5					60	50	PSIG	970' of 4" Plastic	Refer to Attachment 17.2	2 Services	No significant change.
100	Construction	YES	30741615	AB9 CHRISTIAN & RALSTON, BELMONT	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Peninsula	San Carlos	DR A 89 CHRISTIAN & RALSTON					30	20	PSIG	n/a	n/a	No effect	No significant change.
101	Construction	NO	30736184	OC1 GPRP REDWOOD CITY	Gas Pipeline Replacement Program	Steel 1924-1938	1680' of 2" Steel	Pipeline Repl Program	Peninsula	San Carlos	WALL 3278 PLAT H05 WALL 3278 PLAT G07 WALL 3278 PLAT H04					34	30	PSIG	2020' of 4" Plastic	Refer to Attachment 17.2	36 Services	No significant change
102	Construction	NO	30712896	GP 7TH ST & HENSLEY, RICHMOND	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	East Bay	Richmond	WALL 0001 PLAT F8					60	47	PSIG	n/a	n/a	No effect	No significant change
103	Construction	NO	30870310	OC1 TOWER ROAD HPR TO DRS	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Peninsula	San Carlos	WALL 3277 PLAT C4					34	30	PSIG	n/a		No effect	Uprate from MAOP 34 psig to MAOP 60 psig
104	Pre-construction	NO	30830848	DOLORES MFRP, SF	Reliability Main Replacement	Steel 1908 Plastic 2003	3845' of 2" Plastic 333' of 6" Steel	Reliability General	San Francisco	San Francisco	WALL 0003 PLAT B16					60	50	PSIG	3845' of 2" Plastic	n/a	105 Services	No significant change
105	Pre-construction	NO	30826897	R4 GD REBUILD DR#33 KENWOOD	New Capacity Regulator Station	n/a	n/a	Capacity	Sonoma	Santa Rosa	WALL 2636 PLAT E6					60	40	PSIG	n/a	n/a	No effect	No significant change.
106	Pre-construction	NO	30826506	GD GPRP WEST AND VARIOUS, PETALUMA	Gas Pipeline Replacement Program	Steel 1928-1936	857' of 2" Steel 188' of 3" Steel	Pipeline Repl Program	Sonoma	Petaluma	WALL 2768 PLAT F04					50	47	PSIG	1113' of 2" Plastic	Refer to Attachment 17.2	24 Services	No significant change.
107	Pre-construction	NO	30826505	R1 G REBUILD RHEEM DR STATION, MORAGA	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Diablo	Concord	DR V09 RHEEM BLVD&ST MARYS RD					60	57	PSIG	n/a	n/a	No effect	No significant change.
108	Pre-construction	NO	30814788	R2 MODESTO RELIABILITY PHASE 1 - MODESTO	Reliability Main Replacement	Steel 1930	789' of 2" Steel 389' of 4" Steel 2342' of 6" Steel	Reliability General	Yosemite	Modesto	WALL 3235 PLAT A5 WALL 3177 PLAT J5					60	50	PSIG	789' of 2" Plastic 389' of 4" Plastic 2341' of 6" Plastic	Refer to Attachment 17.2	23 Services	No significant change
109	Pre-construction	NO	30813871	REBUILD VICTORY DR STATION	New Capacity Regulator Station	n/a	n/a	Capacity	Diablo	Antioch	WALL 0057 PLAT F9					60	57	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 0 to 14 psig
110	Pre-construction	NO	30810993	R4_ RPL DUTCH & BRAND LN MAIN / PENNGROV	Reliability Main Replacement	Steel 1926-1951	927' of 1.25" Steel 1000' of 2" Steel	Reliability General	Sonoma	Santa Rosa	WALL 2705 PLAT I3					50	47	PSIG	1551' of 2" Plastic	Refer to Attachment 17.2	8 Services	No significant change
111	Pre-construction	NO	30809878	R7 12 REPL U25 REG STA / UKIAH	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Sonoma	Santa Rosa	WALL 2868 PLAT I8					60	50	PSIG	n/a	n/a	No effect	No significant change.
112	Pre-construction	NO	30796829	R2 MCALLEN FROM WILSON TO HOLMAN	New Capacity Main Install / Enforcement	Steel 1932-1973	2477' of 2" Steel 26' of 4" Steel	Capacity	Stockton	Stockton	WALL 2947 PLAT J3					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	R4 NEW REG STATION - POWER INN & CUCAM	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Sacramento	Sacramento	WALL 2597 PLAT B6					50	47	PSIG	n/a	n/a	No effect	No significant change.
114	Pre-construction	NO	30784076	RBLD DR D-36, WEBER & FARRINGTON, FR	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Fresno	Fresno	WALL 3864 PLAT B6					60	56	PSIG	n/a	n/a	No effect	No significant change.
115	Pre-construction	YES	30787894	R7 RG REBUILD REGULATOR STA R13 / EUREKA	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Humboldt	Eureka	WALL 0849 PLAT F5					40	35	PSIG	n/a	n/a	No effect	No significant change.
116	Pre-construction	NO	30781915	HP RM REPL CRK CROSSING, LUCAS VLY RD	Reliability Main Replacement	Steel 1962	300' of 6" Steel	Reliability General	North Bay	San Rafael	WALL 2927 PLAT E1					57	54	PSIG	380' of 6" Steel	Refer to Attachment 17.2	1 Service	No significant change.
117	Pre-construction	NO	30755087	DRB-36, E. GRIDLEY RD, GRIDLEY	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Chico	DR G 839 EAST GRIDLEY & HWY 99					60	55	PSIG	n/a	n/a	No effect	No significant change
118	Pre-construction	NO	30750589	R8 GD REBUILD RED BLUFF DR 103	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	North Valley	Red Bluff	DR 103 RED BLUFF					40	37	PSIG	n/a	n/a	No effect	No significant change
119	Pre-construction	NO	30876554	G RM PACIFIC AVE., SANTA ROSA	Reliability Main Replacement	Steel 1930	723' of 4" Steel	Reliability General	Sonoma	Santa Rosa	WALL 2834 PLAT B06					60	57	PSIG	930' of 4" Plastic	Refer to Attachment 17.2	11 Services	No significant change
120	Pre-construction	NO	30879552	G RM SHORT ST., VALLEJO	Reliability Main Replacement	Steel 1935-1948	475' of 2" Steel	Reliability General	North Bay	Vallejo	WALL 2907 PLAT B07					25	23	PSIG	247' of 2" Plastic	Refer to Attachment 17.2	12 Services	No significant change
121	Pre-construction	NO	30876477	R2 INSTALL DRS JUNIPERO SERRA STANFORD	New Capacity Regulator Station	n/a	n/a	Capacity	Peninsula	San Carlos	WALL 3347 PLAT D8					31	27	PSIG	n/a	n/a	No effect	APD Minimum pressure increase from 16 psig to 19 psig
122	Pre-construction	NO	30876300	R1 SHOREWAY DR BELMONT	Cust HPR Reg Sta Conv Dist Reg	n/a	n/a	Rplt/Convert Cust HPR	Peninsula	San Carlos	WALL 3278 PLAT B5					51	47	PSIG	n/a	n/a	No effect	No significant change
123	Design	NO	30799818	R4E REBUILD DR MRC-10, OLIVEHRST	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Sierra	Marysville	WALL 2135 PLAT J5					54	51	PSIG	n/a	n/a	No effect	No significant change.
124	Design	YES	30741612	R7 C45 STANFORD-WELLESLEY FILTER, RTA	Reliability Regulator Station Replacement	n/a	n/a	Reliability General	Peninsula	San Carlos	DR PNC45 STANFORD & WELLESLEY					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: G. M. Vollbrecht 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	E	Avenal	1/3/11			8	HP (<=60psig)			5.00	Steel	0.75	Single wrap	Good		None							
Kern	Kern	Oak Tree	Barstow	1/3/11	4931	I08	14	HP (<=60psig)	1979	n	2.00	PE 2406 (Orange)	0.50								n	n	n	
North Coast	Arcata	Spear	Arcata	1/4/11	_784	G02	8	HP (<=60psig)	1972	n														
Fresno	Fresno	J	Sanger	1/5/11			33	HP (<=60psig)			5.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
North Coast	Ukiah	Valley	Willits	1/5/11	1944	D04	1	HP (<=60psig)	1992	n	1.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno	E Inyo	Fresno	1/6/11			10	HP (<=60psig)			96.00	Steel	2.00		Good		None							
Fresno	Fresno	Valley View		1/7/11			26	HP (<=60psig)			5.00	PE 2406 (Orange)	3.00								n	n		n
Kern	Kern	El Cerrito	Bakersfield	1/7/11	4930	H08	4	HP (<=60psig)	1939		4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y					
Fresno	Fresno	N Van Ness	Fresno	1/8/11			4	HP (<=60psig)			4.00	PE 2406 (Orange)	0.50									n	n	n
North Coast	Eureka	Spring	Eureka	1/8/11	_848	J07	28	HP (<=60psig)	1947	y	4.00	Steel	3.00	Somastic	Good		None	n						
North Bay	Napa	Imola	Napa	1/10/11	2774	B01	9	HP (<=60psig)	1964	y	8.00	Steel	0.75	Other	Good		None	y	y	Good				
Fresno	Fresno	N Carruth	Fresno	1/10/11			27	HP (<=60psig)			1.00	Steel	0.75	Hot Applied Asphalt	Excellent		None	n						
Fresno	Fresno	E Illinois	Fresno	1/10/11			4	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n		Good				
Kern	Kern	Baker		1/10/11	5027	B08	21	HP (<=60psig)	1963		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n	n					
Kern	Kern	Baker	Bakersfield	1/10/11	5027	B08	65	HP (<=60psig)	1961	y	3.00	Steel	0.75	Double wrap	Good		None	y	y					
North Coast	Arcata	11th	Arcata	1/10/11	_784	I01	42	HP (<=60psig)	1949		4.00	Steel	2.00	Somastic	Good		None	n	n					
North Coast	Ukiah	Talmage	Ukiah	1/11/11	2130	E02	6	SHP (<=25psig)	1971	n	3.00	Aldyl A	0.50								n	n	n	
Fresno	Fresno	E Mono	Fresno	1/11/11			10	HP (<=60psig)				PE 2406/2708 (Yellow)												
Fresno	Fresno	E Mono	Fresno	1/11/11			10	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00				None							
Fresno	Fresno	E Lansing	Fresno	1/11/11			6	HP (<=60psig)				Steel	0.75											
Fresno	Fresno	N Cornelia	Fresno	1/11/11			5	HP (<=60psig)			4.00	Steel	4.00	Hot Applied Asphalt			None	n						
Fresno	Fresno	E White	Fresno	1/11/11			14	HP (<=60psig)			7.00	Steel	3.00	Hot Applied Asphalt	Fair		None							
Kern	Kern	Charlerten	Bakersfield	1/11/11	5127	C04	34	HP (<=60psig)	1986	n	3.00	PE 2406 (Orange)	1.25								n	n	n	
North Valley	Redding	Old Oregon	Redding	1/11/11	1011	G06	1	HP (<=60psig)	1967	y	5.00	Steel	0.75	Double wrap	Good		None							
San Jose	San Jose	Blossom Hill	San Jose	1/12/11	3476	C01	0		1962		3.00	Steel												
Fresno	Fresno	N 1st	Fresno	1/12/11			3	HP (<=60psig)			3.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno	E Jensen	Sanger	1/12/11			4	HP (<=60psig)																
Fresno	Fresno	N 11Th	Fresno	1/12/11			25	HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Kern	Kern	Columbus		1/12/11	4931	I02	17	HP (<=60psig)	1949	y	3.00	Steel	0.75	Hot Applied Asphalt	Good	Acceptable	None	y	y	Good				
Fresno	Fresno	E Illinois	Fresno	1/13/11			4	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good				
Fresno	Fresno	N Minnewawa	Fresno	1/13/11			16	HP (<=60psig)				Copper	1.00	Double wrap	Excellent		None				n	n	n	n
Kern	Kern	King	Bakersfield	1/13/11			27	LP (<=10.5"wc)			8.00	Steel	4.00	Hot Applied Asphalt	Poor		None	y	y					
Kern	Kern	King	Bakersfield	1/13/11			65	LP (<=10.5"wc)			4.00	PE 2406 (Orange)	4.00								n	n	n	n
North Coast	Ukiah	Center	Hopland	1/14/11	2252	D03	13	HP (<=60psig)	1967	y	6.00	Steel	2.00	Other	Excellent		None	n	n					
Kern	Kern	Chester	Bakersfield	1/14/11	5027	A05	107	HP (<=60psig)	1998	n	2.00	PE 2406 (Orange)	1.00								n	n	n	
Diablo	Diablo	Diablo	Lafayette	1/14/11			15																	
Diablo	Diablo	Diablo	Lafayette	1/14/11			15				4.00	Steel	2.00	Other	Good		None	n						
Diablo	Diablo	Diablo	Lafayette	1/14/11	_46	A04	15	HP (<=60psig)	1979	y	4.00	Steel	2.00	Other	Good		None	n						
Fresno	Fresno	Whitney	Avenal	1/15/11			3	HP (<=60psig)			3.00	Steel	2.00											
San Jose	San Jose	Berryessa	San Jose	1/18/11			2				5.00	Steel	4.00	Hot Applied Asphalt	Good		None	n	n					
Fresno	Fresno	E Lyell	Fresno	1/18/11			1	HP (<=60psig)		y	4.00	Copper	0.50	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno	E Illinois	Fresno	1/18/11			4	HP (<=60psig)				PE 2406/2708 (Yellow)			Good			n						
Kern	Kern	Buck Owens	Atolia	1/18/11			14	HP (<=60psig)	1966	y	5.00	Steel	3.00	Hot Applied Asphalt	Good		None							
Kern	Kern	Buck Owens	Bakersfield	1/18/11	4930	J02	14	HP (<=60psig)	1966	y	4.00	Steel	3.00	Hot Applied Asphalt	Good		None	n	n					
Kern	Kern	Buck Owens	Bakersfield	1/18/11	4930	J02	14	HP (<=60psig)	1966	y	5.00	Steel	3.00	Hot Applied Asphalt	Good		None	n	n					
Kern	Kern	N. NORMA	Ridgecrest	1/18/11	4760	E02	21	HP (<=60psig)			4.00	Steel												
Fresno	Fresno	E Lyell	Fresno	1/18/11			1	HP (<=60psig)		y	4.00	Copper	0.50	Hot Applied Asphalt	Good		None	y	y	Good				
North Coast	Ukiah	Talmage	Ukiah	1/19/11	2130	E03	1	SHP (<=25psig)	1967	y	5.00	Steel	6.00	Hot Applied Asphalt	Good	Acceptable	None	n	n					
Fresno	Fresno	E Weldon	Fresno	1/19/11			14	HP (<=60psig)		y	4.00	Steel	0.75	Hot Applied Asphalt	Good		None	y	y					
Fresno	Fresno		Fresno	1/19/11			28	HP (<=60psig)			5.00	Wrought Iron	0.75	Hot Applied Asphalt	Excellent		None							
Fresno	Fresno	E Mckenzie	Fresno	1/19/11			16	HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair		None	n						
Fresno	Fresno	Oatman	Sanger	1/19/11			79	HP (<=60psig)		y	1.00	Steel	2.00	Other	Excellent		None							
Kern	Kern	Canadian	Bakersfield	1/19/11	5027		37	HP (<=60psig)	1961	y	1.00	Steel	2.00	Hot Applied Asphalt	Good	Acceptable	None	y	y	Good				
Kern	Kern	Norma	Ridgecrest	1/19/11	4760	E02	21	HP (<=60psig)	1958	y	3.00	Steel	2.00	Double wrap	Good		None	n	n					
North Valley	Redding	Rupert	Anderson	1/19/11	1151	G03	1	HP (<=60psig)	1965	y	6.00	Steel	0.75	Double wrap	Good		None							
North Valley	Redding	Rupert	Anderson	1/19/11	1151	G03	1	HP (<=60psig)	1964	y	2.00	Steel	0.75	Double wrap	Good		None							
Fresno	Fresno	E Dayton	Fresno	1/20/11			8	HP (<=60psig)			4.00	Steel	0.75	Somastic	Excellent		None	y	y					
Fresno	Fresno	S Villa	Fresno	1/20/11			21	HP (<=60psig)																
Fresno	Fresno	S Villa	Fresno	1/20/11			21	HP (<=60psig)			7.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Kern	Kern	Norma	Ridgecrest	1/20/11	4760	E02	21		1958		3.00	Steel	2.00	Double wrap	Good	Acceptable	None	y	y	Good				
Stockton	Delta	Virginia	Stockton	1/21/11	3004	D01	19	HP (<=60psig)	1948	y	5.00	Steel	2.00											
Fresno	Fresno	E White	Fresno	1/21/11			23				6.00	Steel	1.00	Somastic	Good		None	y	y					
Kern	Kern	Norma		1/21/11	4760	E02	22	HP (<=60psig)	1958	y	2.00	Steel	2.00	Double wrap	Good	Acceptable	None							
Kern	Kern	Eastern	Taft	1/21/11	5220	H04	38	SHP (<=25psig)	1951	y	3.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y					
Fresno	Fresno	W B	Kerman	1/22/11			42	HP (<=60psig)			6.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y					
Fresno	Fresno			1/22/11	3801		10	HP (<=60psig)			8.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno		Fresno	1/22/11			1	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	Barstow	Fresno	1/22/11			2	HP (<=60psig)			10.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Fresno	Fresno			1/23/11	3870	H03	17				1.00	Steel	0.75	Hot Applied Asphalt	Fair		None	n	n					
Fresno	Fresno	S. Inverness	Fresno	1/24/11			17				5.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	N Peach	Fresno	1/24/11			25	HP (<=60psig)			2.00	Steel	4.00	Other	Good		None							
Fresno	Fresno	E Grant	Fresno	1/24/11			6	HP (<=60psig)						Other	Good			n			n	n	n	
Kern	Kern	Porter	Ridgecrest	1/24/11	4759	F08	33	HP (<=60psig)	1983		2.00	PE 2406 (Orange)	2.00											
Kern	Kern	Mariposa	Ridgecrest	1/24/11	4759	F08	8	HP (<=60psig)	1983		2.00	PE 2406 (Orange)	2.00								n		n	n
Fresno	Fresno	S Cherry	Fresno	1/25/11			6				2.00	Steel	4.00	Hot Applied Asphalt	Excellent		None			Good				
Fresno	Fresno		Fresno	1/25/11			2	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n						
Fresno	Fresno	E Park Circle	Fresno	1/25/11			1	HP (<=60psig)				Steel	1.00		Good			n						
Fresno	Fresno	S Cherry	Fresno	1/25/11			6	HP (<=60psig)			3.00	Steel	0.75											
Fresno	Fresno	S 8th	Kerman	1/25/11			35	HP (<=60psig)			3.00	Steel	0.50	Hot Applied Asphalt	Excellent		None	n						
Fresno	Fresno	W Andrews	Fresno	1/26/11			32	HP (<=60psig)		y	4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	n		Good				
Fresno	Fresno		Fresno	1/26/11			2	HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	S Teilman	Fresno	1/26/11	3868		18	HP (<=60psig)			2.00	Steel	8.00	Bare/None			None							
Fresno	Fresno	W Andrews	Fresno	1/26/11			35	HP (<=60psig)			4.00	Steel	0.75	Hot Applied Asphalt	Fair		None			Good				
Kern	Kern	4 Th	Trona	1/26/11	4573	J07	68		2002	n	1.00	Steel	2.00											
Kern	Kern	E	Trona	1/26/11	4573	J07	17	HP (<=60psig)	1955	y	2.00	Steel	2.00	Double wrap	Good	Acceptable	None			Good				
Fresno	Fresno			1/27/11			13	HP (<=60psig)																
Fresno	Fresno	S Minnewawa	Fresno	1/27/11			13	HP (<=60psig)			6.00	Steel	4.00	Hot Applied Asphalt	Good			n	y					
Fresno	Fresno			1/27/11			2	HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None							
Fresno	Fresno	E Lane	Fresno	1/27/11			4	HP (<=60psig)				Steel	1.00		Good			n						
Fresno	Fresno	Monterey	Fresno	1/27/11			66	HP (<=60psig)			4.00	Steel	4.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno	E Terrace	Fresno	1/27/11				HP (<=60psig)			4.00	Steel	2.00	Tape	Good		None							
North Coast	Ukiah	St. Francis	Ukiah	1/28/11	2129	C06	4	SHP (<=25psig)	1956	y	20.00	Steel	4.00	Single wrap	Good	Acceptable	None	n	y	Good				
Fresno	Fresno	N	Fresno	1/28/11			49	HP (<=60psig)			4.00	Steel	4.00	Hot Applied Asphalt	Good		None	n		Good				
Fresno	Fresno	Acacia	Clovis	1/28/11			5	HP (<=60psig)		y	2.00	Steel	2.00	Somastic	Excellent		None	n						
North Coast	Ukiah	E Hill	Willits	1/31/11	1944	G04	1	HP (<=60psig)	1973	n	3.00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno	Bernard	Kettleman City	1/31/11			2	HP (<=60psig)				Other Plastic/aldyl-a	2.00											
Fresno	Fresno			1/31/11			3	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n	n					
Fresno	Fresno	E Butler		1/31/11			4	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n	n					
North Coast	Ukiah	W Commercial	Willits	1/31/11	1943	D06	53	HP (<=60psig)	1973	n	4.00	Aldyl A	2.00								n	n	n	
Fresno	Fresno	Monterey	Avenal	2/1/11			6	HP (<=60psig)			1.00	Steel	2.00	Extru Coat	Good		None							
Fresno	Fresno	E Merced	Avenal	2/1/11			6	HP (<=60psig)			2.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno	E Butler	Fresno	2/1/11			10	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n	n		n	n	n	n
Fresno	Fresno	E Brown	Fresno	2/1/11			5	HP (<=60psig)			1.00	Steel	2.00	Hot Applied Asphalt	Excellent		None							
Fresno	Fresno	Madera	Avenal	2/1/11			15	HP (<=60psig)			3.00	Steel	2.00	Extru Coat	Excellent		None							
Fresno	Fresno	N Peach	Fresno	2/2/11			17	HP (<=60psig)				PE 2406/2708 (Yellow)			Good		None	n	n					
Fresno	Fresno	E Balch	Fresno	2/2/11			1	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno	E Balch	Fresno	2/2/11			1	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno	Whitson	Selma	2/2/11			51	HP (<=60psig)			2.00	Steel	3.00		Good		None							
Fresno	Fresno	Tulare	Fresno	2/2/11			6	HP (<=60psig)			6.00	Steel	4.00	Somastic				n						
Kern	Kern	Monterey		2/2/11	5028	A01	71				3.00	Steel	4.00	Hot Applied Asphalt	Good		None	n	n					
San Francisco	San Francisco	Onondaga	San Francisco	2/2/11							4.00	Copper	1.00											
North Coast	Ukiah	Mendocino	Ukiah	2/3/11	2129	E07	11	SHP (<=25psig)	1966	y	6.00	Steel	2.00	Hot Applied Asphalt			None	y	y					
Fresno	Fresno	N Peach	Fresno	2/3/11			17	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00									n	n	n
Fresno	Fresno	E Balch	Fresno	2/3/11			1	HP (<=60psig)			6.00	Steel		Single wrap			None	n						
Fresno	Fresno	O	Fresno	2/3/11			45	HP (<=60psig)			3.00	Steel	4.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno	N Blackstone	Fresno	2/3/11			15	HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	1.00								n	n	n	
Kern	Kern	Buck Owens	Bakersfield	2/3/11			14	HP (<=60psig)		y	5.00	Steel	3.00	Hot Applied Asphalt	Fair			y	y					
Fresno	Fresno	E White	Fresno	2/4/11	3869		74	HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	2.00								n	n		n
Fresno	Fresno	N Hayes	Fresno	2/4/11			3	HP (<=60psig)			9.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno	W California	Kerman	2/4/11			4	HP (<=60psig)			3.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno	N Peach	Fresno	2/7/11			17	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno	Barton	Fresno	2/7/11			19	HP (<=60psig)			2.00	Steel	2.00	Hot Applied Asphalt	Excellent		None			Good				
Fresno	Fresno		Fresno	2/7/11			68	HP (<=60psig)			2.00	Steel	4.00	Hot Applied Asphalt	Good		None	n		Good				
Kern	Kern			2/7/11	4759	G08	15	HP (<=60psig)		n	3.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno	E Balch	Fresno	2/8/11			1	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	E Tulare	Fresno	2/8/11			4	HP (<=60psig)			5.00	Steel		Somastic	Good									
Fresno	Fresno	S Cherry	Fresno	2/8/11			1	HP (<=60psig)			3.00	Steel	4.00	Hot Applied Asphalt	Fair		None							
Fresno	Fresno	Harlan Ranch	Clovis	2/8/11			90	HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Fresno	Fresno	Harlan Ranch	Clovis	2/8/11			30	HP (<=60psig)			14.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Kern	Kern	Buck Owens	Bakersfield	2/8/11	4930	J02	14	HP (<=60psig)	1954	y	4.00	Steel	2.00	Hot Applied Asphalt	Fair		None							
North Valley	Redding	Superior	Burney	2/8/11	820	J05	23	HP (<=60psig)	1964	y	2.00	Steel	0.75	Hot Applied Asphalt	Good		None							
North Coast	Ukiah	N State	Ukiah	2/9/11	2129	C08	27	SHP (<=25psig)	1968	y	6.00	Steel	2.00	Somastic			None	n	y					
Fresno	Fresno	E Balch	Fresno	2/9/11			1	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n	n					
Fresno	Fresno	S Backer	Fresno	2/9/11			10	HP (<=60psig)			8.00	Steel	1.00	Hot Applied Asphalt	Good		None				n	n	n	n
Fresno	Fresno	E Lowe	Fresno	2/9/11			4	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		Bakersfield	2/9/11	5025	D02	38	HP (<=60psig)	2011		4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern			2/9/11	5025	D02	53	HP (<=60psig)	2011	n	4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
North Valley	Redding	Plumas	Burney	2/9/11	820	J05	33	HP (<=60psig)	1964	y	2.00	Steel	0.75	Hot Applied Asphalt	Good		None	n		Good				
North Valley	Redding	Gunsmith	Burney	2/9/11	820	I05	2	HP (<=60psig)	1975	n	1.00	Aldyl A	0.50								n	n	n	n
North Valley	Redding	Gunsmith	Burney	2/9/11	820	I05	2	HP (<=60psig)	1975	n	1.00	Aldyl A	0.50								n	n	n	n
North Coast	Ukiah	Apple	Ukiah	2/10/11	2130	E01	32	SHP (<=25psig)	1966	y	5.00	Steel	2.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno	Anthony	Tranquillity	2/10/11			13	HP (<=60psig)			2.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno	E Balch	Fresno	2/10/11			1	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n						
Fresno	Fresno	E Kings Canyon	Fresno	2/10/11			7	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno	E Alta	Fresno	2/10/11			10	HP (<=60psig)				Steel	1.00	Hot Applied Asphalt	Fair		None				n	n	n	n
Kern	Kern	Niles		2/10/11	5028	A01	31	LP (<=10.5"wc)		n	4.00	Steel	4.00	Hot Applied Asphalt	Poor		None	y	y					
Fresno	Fresno	Ventura	Fresno	2/11/11			61	HP (<=60psig)			3.00	Steel	4.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno	S Mary	Fresno	2/11/11			44	HP (<=60psig)			6.00	PE 2406 (Orange)	1.00								n	n	n	n
Kern	Kern	King	Bakersfield	2/11/11			65	LP (<=10.5"wc)			5.00	Steel	8.00	Single wrap	Good		None	y	y					
North Bay	Vallejo	Revere	Vallejo	2/11/11	2908	A01	12	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			26	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno	E Alta	Fresno	2/14/11			10	HP (<=60psig)				Steel	1.00	Hot Applied Asphalt	Fair		None	n			n	n	n	n
Fresno	Fresno	N Fruit	Fresno	2/14/11			37	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n						
Kern	Kern	Lexington	Bakersfield	2/15/11	5028	B07	51	HP (<=60psig)	1984	n	1.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern	Kern	Taft	2/15/11	5220	G04	13	SHP (<=25psig)	2011	y	2.00	Steel	0.75	Double wrap	Good		None	y	y					
Fresno	Fresno	N Blackstone	Fresno	2/16/11			12	HP (<=80psig)			5.00	Steel	8.00	Somastic	Fair	Acceptable	None	y	y					
Fresno	Fresno	N Blackstone	Fresno	2/16/11			81	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Kern	Kern	California	Bakersfield	2/16/11	5027	B06	74			n	3.00	Steel	2.00	Extru Coat	Excellent		None	n	n	Good				
Kern	Kern	C		2/16/11							3.00	Steel	0.75	Single wrap	Good		None	n	n					
Kern	Kern	R		2/16/11	5027	B06	74	HP (<=60psig)	1987		3.00	Steel	2.00	Extru Coat	Good		None	n	n					
Fresno	Fresno	E Swiff	Fresno	2/17/11			12	HP (<=60psig)			4.00	Steel	2.00	Double wrap	Good		None	n						
Fresno	Fresno	Crystal	Fresno	2/17/11			17	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n			n	n	n	n
Fresno	Fresno	N Crystal	Fresno	2/17/11			17	HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair		None							
Fresno	Fresno	E Swiff	Fresno	2/17/11			12	HP (<=60psig)			4.00	Steel	2.00	Double wrap	Good		None							
Mission	Mission	Oakes	Hayward	2/18/11	18	A02	13	HP (<=60psig)	1956	y	4.00	Steel	0.75	Hot Applied Asphalt	Fair		None	n	n	Good				
Fresno	Fresno	Beechwood	Fresno	2/18/11			5	HP (<=60psig)			4.00	Steel	2.00	Double wrap	Good		None							
Fresno	Fresno	W Pine	Fresno	2/22/11			14	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n			n	n	n	n
Fresno	Fresno	E Alta	Fresno	2/22/11			14	HP (<=60psig)			5.00	Steel		Hot Applied Asphalt	Fair		None	n						
Fresno	Fresno	N Fruit	Fresno	2/22/11			47	HP (<=60psig)			4.00	Steel	3.00		Fair		None							
Fresno	Fresno	W Hedges	Fresno	2/23/11			10	HP (<=60psig)				Steel	3.00	Somastic	Fair	Acceptable	Light							
Fresno	Fresno	W Hammond	Fresno	2/23/11			6	HP (<=80psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno	W Floradora	Fresno	2/23/11			11	HP (<=60psig)			5.00	Steel	2.00	Somastic	Fair	Acceptable	None	n						
Fresno	Fresno	Belmont	Fresno	2/23/11			18	HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Fresno	Fresno		Sanger	2/24/11			1	HP (<=60psig)		y	15.00	Steel	2.00	Single wrap	Good		None	n						
San Francisco	San Francisco	Embarcadero		2/24/11	2		15					Steel					None							
Fresno	Fresno	E Alta	Fresno	2/24/11			13	HP (<=60psig)			3.00	Steel	1.00	Single wrap	Good		None	n			n	n	n	n
Fresno	Fresno	W Hedges	Fresno	2/24/11			12	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	N Delno	Fresno	2/24/11			48	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Fresno	Fresno	N Tellman	Fresno	2/24/11			53	HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Kern	Kern	Buchanan	Taft	2/25/11	5220	E03	41	HP (<=60psig)		n	2.00	PE 2406/2708 (Yellow)	1.25									n	n	n
Fresno	Fresno	E Monterey	Avenal	2/28/11			28	HP (<=60psig)			3.00	Steel	2.00	Extru Coat	Excellent		None	y	y	Good				
Fresno	Fresno	Jensen	Fresno	2/28/11			15	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno	N Carruth	Fresno	2/28/11			37	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Fresno	Fresno	N Vagedes	Fresno	2/28/11			72	HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	W Olive	Fresno	2/28/11			37	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n			n	n	n	n
Fresno	Fresno	E Alta	Fresno	2/28/11			10	HP (<=60psig)				Steel	3.00	Single wrap	Good		None				n	n	n	n
Fresno	Fresno	Madera	Avenal	3/1/11			6	HP (<=60psig)			4.00	Steel	2.00		Excellent		None							
Fresno	Fresno	E Clinton	Fresno	3/1/11			17	HP (<=60psig)			4.00	Steel	4.00	Single wrap	Good		None	n						
Fresno	Fresno	E Vassar	Fresno	3/1/11			30	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n						
Fresno	Fresno	W Vassar	Fresno	3/1/11			23	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno	E University	Fresno	3/1/11			7	HP (<=60psig)																
Fresno	Fresno	E El Monte	Fresno	3/1/11			22	HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	1.00	Single wrap	Good		None	n			n	n	n	n
Fresno	Fresno	W Belmont	Fresno	3/1/11			27	HP (<=60psig)			2.00	Steel	0.75	Double wrap	Good		None	y	y					
Fresno	Fresno	E Clinton	Fresno	3/1/11			17	HP (<=60psig)			7.00	Steel	4.00		Good		None							
Fresno	Fresno	N Van Ness	Fresno	3/1/11			13	HP (<=60psig)			5.00	Steel	3.00	Hot Applied Asphalt	Excellent		None							
Kern	Kern	California	Bakersfield	3/1/11			74	HP (<=60psig)			4.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y					
Kern	Kern	S	Bakersfield	3/1/11			68	HP (<=60psig)			5.00	Steel	4.00	Hot Applied Asphalt	Good		None	y	y					
Fresno	Fresno	E Alta	Fresno	3/2/11			14	HP (<=60psig)			12.00	Copper	0.50	Hot Applied Asphalt	Fair		None	n						
Kern	Kern	Milham		3/2/11	5027	D08	53	HP (<=60psig)	2011	n	3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno	E El Monte	Fresno	3/3/11			17	HP (<=60psig)			4.00		3.00	Somastic	Good		None	n	y		n	n	n	n
Fresno	Fresno	N Vagedes	Fresno	3/3/11			70	HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair		None	n						
Fresno	Fresno	N Thorne	Fresno	3/3/11			52	HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	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 YN	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	N Thorne		3/3/11			52	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno	Broadway	Fresno	3/3/11			41	HP (<=60psig)			1.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno	North	Sanger	3/3/11			8	HP (<=60psig)			4.00	Steel	2.00	Double wrap	Excellent		None	y	y		n	n	n	n
Fresno	Fresno	North		3/3/11			8	HP (<=60psig)			4.00	Steel	2.00											
Kern	Kern	Terrace	Bakersfield	3/4/11	5027	D06	9	HP (<=60psig)	1952		1.00	Steel	0.75	Double wrap	Good		None							
Fresno	Fresno	E Mono	Fresno	3/4/11			15	HP (<=60psig)	2011		6.00	Steel	3.00	Hot Applied Asphalt	Fair		None	y	y					
Kern	Kern	Naylor	Taft	3/5/11			15	SHP (<=25psig)			4.00	Steel	2.00	Somastic	Fair	Acceptable	None	y	y	Good				
Fresno	Fresno	E Lane	Fresno	3/7/11			8	HP (<=60psig)				PE 2406/2708 (Yellow)			Good		None	n		Good	n	n	n	n
Kern	Kern	Porter	Ridgecrest	3/7/11			33	HP (<=60psig)			2.00	PE 2406 (Orange)	2.00								n	n	n	n
North Valley	Redding	Canby	Redding	3/7/11	1080		1	HP (<=60psig)	1963	y		Steel	0.75	Double wrap	Good		None							
Fresno	Fresno	E Lowe	Fresno	3/8/11			4	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		Light	n	n					
Fresno	Fresno	E Lowe	Fresno	3/8/11			4	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n	n	Good				
Fresno	Fresno	E El Monte	Fresno	3/8/11			18	HP (<=60psig)			7.00	Steel		Single wrap	Fair		None	n						
Fresno	Fresno	Columbia	Fresno	3/8/11			14	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno	E El Monte	Fresno	3/8/11			17	HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair		None	n						
Kern	Kern	Fashion	Bakersfield	3/8/11	4931	J04	10	HP (<=60psig)	2011	n	7.00	PE 2406/2708 (Yellow)	2.00								n		n	n
North Coast	Eureka	D	Eureka	3/9/11	_848	H07	111	HP (<=60psig)			7.00	Steel	2.00											
Fresno	Fresno	E Lowe	Fresno	3/9/11			4	HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno	S	Avenal	3/9/11			15	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno	N Brawley	Fresno	3/9/11			7	HP (<=60psig)			2.00	Steel	4.00	Hot Applied Asphalt	Good		None	y	y					
North Valley	Red Bluff	Olive	Corning	3/9/11																				
Fresno	Fresno	E Lowe	Fresno	3/10/11			4	HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n	n					
Fresno	Fresno	E Lowe	Fresno	3/10/11			4	HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair		None	n	n					
Kern	Kern	OLIVE	Trona	3/10/11	5220	H04	46	SHP (<=25psig)	2011		4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y					
Kern	Kern	Eye	Bakersfield	3/11/11	5027	C04	42	HP (<=60psig)		n	1.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno	Fulton	Fresno	3/11/11			5	HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
San Francisco	San Francisco	Ellis	San Francisco	3/11/11	___2	F02	36	HP (<=60psig)	2011	y	2.00	Steel	2.00	Double wrap	Excellent		None							
North Bay	Marin	Cardinal	Mill Valley	3/12/11	3041	B06	11	HP (<=60psig)	1952	y	4.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	y	y	Good				
Kern	Kern	Ming	Bakersfield	3/14/11	5027	F04	31	HP (<=60psig)	2011	y	2.00	Steel	0.75	Double wrap	Fair		None	y	n	Good	n			
North Coast	Ukiah	West	Redwood Valley	3/14/11	2007	J07	14	HP (<=60psig)	1975	n	1.00	PE 2406 (Orange)	4.00									n	n	
Fresno	Fresno	E Montecito	Fresno	3/14/11			18	HP (<=60psig)			9.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	E El Monte	Fresno	3/14/11			21	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n	n					
Fresno	Fresno	E Hamilton	Fresno	3/14/11			36	HP (<=60psig)			3.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno	S 10th	Fresno	3/14/11			33	HP (<=60psig)			3.00	PE 2406 (Orange)	1.25								n	n	n	n
Fresno	Fresno	E Sierra	Fresno	3/14/11			4	HP (<=60psig)			3.00	Steel	3.00	Somastic	Excellent		None			Good				
Fresno	Fresno	S 10th	Fresno	3/14/11			33	HP (<=60psig)			3.00	PE 2406 (Orange)	1.25								n	n	n	n
Kern	Kern	Ming	Bakersfield	3/14/11			1	HP (<=60psig)	1983		4.00	Steel	6.00	Extru Coat	Excellent	Acceptable	None			Good				
Fresno	Fresno	E Montecito	Fresno	3/15/11			18	HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	E El Monte	Fresno	3/15/11			21	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good	Acceptable		n	n	Good				
San Francisco	San Francisco	Rivera		3/16/11							2.00	Steel												
Fresno	Fresno	Fulton	Fresno	3/16/11			75	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno	Montecito	Fresno	3/16/11			18	HP (<=60psig)		y	7.00	Steel	3.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno			3/16/11			17	HP (<=60psig)		y		Steel	3.00	Other	Good			n		Good	n	n	n	n
Fresno	Fresno	E Lane	Fresno	3/16/11			5	HP (<=60psig)		y		Steel	2.00	Other	Good			n			n	n	n	n
Fresno	Fresno	E Church	Fresno	3/16/11	3869		1	HP (<=60psig)			4.00	Steel	4.00											
Kern	Kern		Taft	3/16/11	5220	G02	15	HP (<=60psig)		n	6.00	PE 2406 (Orange)	4.00								n	y	n	n
North Valley	Redding	Grand	Shasta Lake City	3/16/11	1011	B03	9	HP (<=60psig)	1968	y	1.00	Steel	0.75	Tape	Good		None							
North Bay	Marin	Rock Hill	Tiburon	3/16/11	2986	J04	9	HP (<=60psig)	1994	n	13.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
North Coast	Ukiah	Ellen Lynn	Redwood Valley	3/17/11	2007	J07	5	HP (<=60psig)	1975	n	3.00	PE 2406 (Orange)	0.50									n	n	
North Coast	Ukiah	West	Redwood Valley	3/17/11	2007	J07	14	HP (<=60psig)	1975	n	3.00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno		Fresno	3/17/11			17	HP (<=60psig)		y		Steel	3.00	Other	Good			n		Good	n	n	n	n
Fresno	Fresno	E Balch	Fresno	3/17/11			1	HP (<=60psig)			5.00	Steel	2.00	Somastic	Good		None							
Fresno	Fresno		Tranquillity	3/17/11			16	HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
North Coast	Eureka	Pennsylvania	Eureka	3/17/11	_849	I05	12	HP (<=60psig)	1946	y	4.00	Steel	4.00	Somastic	Excellent		None	n	y					
North Coast	Eureka	Pennsylvania	Eureka	3/17/11	_849	I05	12	HP (<=60psig)	1946	y	4.00	Steel	4.00	Somastic	Excellent		None	n	y					
North Coast	Eureka	Pennsylvania	Eureka	3/17/11	_849	I05	12	HP (<=60psig)	1946	y	4.00	Steel	4.00	Somastic	Excellent		None	n	y					
Fresno	Fresno	E Ashlan	Fresno	3/18/11	3804		12	HP (<=60psig)	1955	y	6.00	Steel	0.75	Hot Applied Asphalt	Good		None	y	y	Good				
North Coast	Eureka	Pennsylvania	Eureka	3/18/11	_849	I05	12	HP (<=60psig)	1946	y	4.00	Steel	4.00											
North Bay	Marin	Magnolia	Larkspur	3/18/11	2985	D04	27	HP (<=60psig)		n	5.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno	E Simpson	Fresno	3/20/11			20	HP (<=60psig)			5.00	Steel	0.75								n	n	n	n
Kern	Kern	Filson	Bakersfield	3/21/11	5028	G01	3	HP (<=60psig)	1996	n	3.00	PE 2406/2708 (Yellow)	0.50								n	n	n	
Fresno	Fresno	L	Fresno	3/21/11			53	HP (<=60psig)			3.00	Steel	4.00	Double wrap	Good		None							
Fresno	Fresno	L	Fresno	3/21/11			53	HP (<=60psig)			3.00	Steel	4.00	Double wrap	Good		None							
Fresno	Fresno		Fresno	3/22/11			17	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	E Lane	Fresno	3/22/11			5	HP (<=60psig)		y	6.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	E Mono	Fresno	3/22/11			33	HP (<=60psig)			3.00	Steel	3.00	Hot Applied Asphalt	Fair		None	y	y	Good				
Kern	Kern	Pontiac	Bakersfield	3/22/11	5028	C05	19	HP (<=60psig)	1958	y	3.00	Steel	0.75	Hot Applied Asphalt	Poor		None	y	y					
North Valley	Redding	North	Anderson	3/22/11	1151	H01	13	HP (<=60psig)	1985	y	3.00	Steel	0.75	Double wrap	Good		None	n						
Fresno	Fresno	E Lane	Fresno	3/23/11			5	HP (<=60psig)		y	6.00	Steel	2.00	Single wrap	Fair		None	n						
Kern	Kern	Keith	Bakersfield	3/23/11			50	HP (<=60psig)			3.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern	Palomino	Bakersfield	3/23/11			12	HP (<=60psig)			4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y	Good				
Fresno	Fresno	E Michigan	Fresno	3/24/11			17	HP (<=60psig)			4.00	Steel	3.00	Bare/None			None							
Fresno	Fresno	E Grant	Fresno	3/24/11			7	HP (<=60psig)			5.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Kern	Kern	Wilson	Oildale	3/24/11			31	HP (<=60psig)			5.00	PE 2406 (Orange)	0.50								n	n	n	n
North Coast	Eureka	Excelsior	Eureka	3/24/11	_916	A02	8	HP (<=60psig)	1960	y	1.00	Steel	0.75	Single wrap	Poor		None	y	y	Good				
Fresno	Fresno	Shaw	Fresno	3/25/11			68	HP (<=60psig)			6.00	PE 2406/2708 (Yellow)									n	n	n	n
Fresno	Fresno	N Lorna	Fresno	3/26/11			31																	
Fresno	Fresno	E Kings Canyon	Fresno	3/28/11			20	HP (<=60psig)		y	6.00	Steel	3.00	Single wrap	Fair		None	n						
Fresno	Fresno	Montecito	Fresno	3/28/11			17	HP (<=60psig)		y		Steel	3.00	Other	Good			n		Good	n	n	n	n
Fresno	Fresno	E Heaton	Fresno	3/28/11			13	HP (<=60psig)			1.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno	S Cedar	Fresno	3/28/11			8	HP (<=60psig)			1.00	Steel	0.75	Hot Applied Asphalt	Excellent		None							
Fresno	Fresno	E Balch	Fresno	3/28/11			6	HP (<=60psig)			2.00	Aldyl A	1.00								n	y	n	n
Fresno	Fresno	S Lind	Fresno	3/28/11			17	HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None	n						
Kern	Kern	Chester	Bakersfield	3/28/11			1	HP (<=60psig)	1976		3.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern	Porter	Ridgecrest	3/28/11			19	HP (<=60psig)			3.00	PE 2406 (Orange)	2.00									n	n	
Fresno	Fresno	E Balch	Fresno	3/29/11			6	HP (<=60psig)			4.00	Steel	4.00	Single wrap	Good		None							
Fresno	Fresno	S Lind	Fresno	3/29/11			17	HP (<=60psig)																
Fresno	Fresno	E Montecito	Fresno	3/29/11			14	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good		None	n			n	n	n	n
Fresno	Fresno	E Heaton	Fresno	3/29/11			13	HP (<=60psig)			2.00	Steel	0.75	Hot Applied Asphalt	Good		None	n						
Kern	Kern	Oak	Taft	3/29/11	5220	H03	41	SHP (<=25psig)			3.00	Steel	2.00	Hot Applied Asphalt	Good		None			Good				
Fresno	Fresno	E Butler	Fresno	3/30/11			26	HP (<=60psig)			3.00	Steel	3.00	Hot Applied Asphalt	Good		None							
Fresno	Fresno	E Montecito	Fresno	3/30/11			14	HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	1.00		Good		None	n			n	n	n	n
Fresno	Fresno			3/30/11			38	HP (<=60psig)			4.00	Steel	2.00											
North Valley	Redding	Old Alturas	Redding	3/30/11	1080	C04	20	HP (<=60psig)	1995	n	6.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
North Valley	Redding	Old Alturas	Redding	3/30/11	1080	C04	20	HP (<=60psig)	1995	n	6.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
North Coast	Santa Rosa	Robinson	Sebastopol	3/31/11	2632	H05	32	HP (<=60psig)	1946	y	4.00	Steel	2.00	Hot Applied Asphalt	Good		None	n	n					
Fresno	Fresno	E Kings Canyon	Fresno	3/31/11			11	HP (<=60psig)			11.00	Steel	3.00	Single wrap	Fair		None	n						
Fresno	Fresno	E Balch	Fresno	3/31/11			6	HP (<=60psig)			1.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno	E Montecito	Fresno	3/31/11			16	HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	1.00		Good		None				n	n	n	n
Fresno	Fresno	N First	Fresno	3/31/11			3	HP (<=60psig)			7.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno		Fresno	4/1/11			4	HP (<=60psig)			1.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno	S Whitney	Fresno	4/4/11			35	HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	E Liberty	Fresno	4/4/11			3	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Fresno	Fresno	E Balch	Fresno	4/4/11			37	HP (<=60psig)			4.00	Steel	4.00	Single wrap	Good		None							
Kern	Kern	19th	Bakersfield	4/4/11			10	HP (<=60psig)	1987	n	4.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			4/5/11			4	HP (<=60psig)																
Fresno	Fresno	Bluff	Fresno	4/5/11			4	HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno	N Van Ness	Fresno	4/5/11			70	HP (<=60psig)			5.00	Steel	0.75	Other	Excellent		None	n						
Fresno	Fresno	E Mildreda	Fresno	4/5/11			44	HP (<=60psig)			1.00	Steel	3.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno	S Whitney	Fresno	4/5/11			35	HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None	n						
Fresno	Fresno	E Liberty	Fresno	4/6/11			4	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Fresno	Fresno	S Whitney	Fresno	4/6/11			35	HP (<=60psig)			5.00	Steel	2.00	Single wrap	Fair		None	n	n					
Fresno	Fresno	10Th	Fresno	4/6/11			13	HP (<=60psig)			2.00	Steel	0.75	Hot Applied Asphalt	Excellent		None	n						
Fresno	Fresno	S Fowler	Fresno	4/6/11			2	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
North Valley	Redding	Hwy 299	Redding	4/6/11	1079	C03	1	HP (<=60psig)	1976	n	4.00	Aldyl A	1.25								n	n	n	
Fresno	Fresno	E Liberty	Fresno	4/7/11			2	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n	n	Good	n	n	n	n
Kern	Kern	Acacia	Bakersfield	4/8/11			11	HP (<=60psig)	1954		3.00	Steel	2.00	Double wrap	Poor		None	n		Good				
Fresno	Fresno	Dockery	Selma	4/8/11			18	HP (<=60psig)			3.00	Steel	3.00	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno	Inyo	Fresno	4/8/11			33	HP (<=60psig)			3.00	Steel	6.00	Hot Applied Asphalt	Good		None							
North Coast	Ukiah	Tomki	Redwood Valley	4/8/11	2007		4	HP (<=60psig)	1978	n	1.00	PE 2406 (Orange)	0.50								n	n	n	
Peninsula	Peninsula	Chestnut	San Carlos	4/11/11	3278	E06	22	HP (<=60psig)	1951	y	1.00	Steel	2.00				None	y	y	Good				
Fresno	Fresno	E Lyell	Fresno	4/11/11			1	HP (<=60psig)			5.00	Steel		Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno	N Sunset	Fresno	4/11/11			32	HP (<=60psig)			5.00	Steel	2.00		Good		None							
Kern	Kern	Hayslett	Bakersfield	4/11/11			26	HP (<=60psig)			4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y	Good				
North Coast	Ukiah	Mountain House	Hopland	4/12/11	2252		1	HP (<=60psig)	1985	n	8.00	PE 2406 (Orange)	1.25								n	n	n	
Fresno	Fresno	S Holloway	Fresno	4/12/11			16	HP (<=60psig)			5.00	Steel	2.00											
Fresno	Fresno	S Rowell	Fresno	4/12/11			21	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n		Good	n	n	n	n
Kern	Kern	E	Trona	4/13/11	4573	J07	21	HP (<=60psig)	1955	y	3.00	Steel	0.75	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno	S Parallel	Fresno	4/13/11			46	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	1.00		Good		None	n	n	Good		n	n	n
Fresno	Fresno	E Lyell	Fresno	4/13/11			1	HP (<=60psig)			8.00	Steel	2.00	Single wrap	Fair	Acceptable	None							
Fresno	Fresno	N Fisher	Fresno	4/13/11			38	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	Madera	Avenal	4/13/11			15	HP (<=60psig)			4.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern	Prala	Bakersfield	4/13/11			4	HP (<=60psig)	1949	y	2.00	Steel	0.75	Single wrap	Fair		None	y	n	Good				
Kern	Kern	19th	Bakersfield	4/13/11	5027	A06	10	HP (<=60psig)	1987	n	4.00	PE 2406 (Orange)	2.00								n	n	n	
Kern	Kern	W Benson	Bakersfield	4/13/11			15	HP (<=60psig)	1983		4.00	PE 2406 (Orange)	0.50									n	n	n
North Valley	Red Bluff	Rio	Red Bluff	4/13/11	1361	I01	50	HP (<=60psig)	1962	y	2.00	Steel	0.75	Double wrap	Good		None	n						
Fresno	Fresno	S Holloway	Fresno	4/14/11			17	HP (<=60psig)																
Fresno	Fresno	S Holloway	Fresno	4/14/11			16	HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None							
Fresno	Fresno	S Holloway	Fresno	4/14/11			17	HP (<=60psig)																
Fresno	Fresno	N Blackstone	Fresno	4/15/11			60	HP (<=60psig)			4.00	PE 3408 (Black)	0.25	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno	Cedar	Fresno	4/15/11			23	HP (<=60psig)			10.00	Steel	4.00	Double wrap	Good		None	n						
Fresno	Fresno	E Kaviland	Fresno	4/18/11			17	HP (<=60psig)			6.00	Steel	2.00	Single wrap	Fair		None							
Fresno	Fresno	E Kings Canyon	Fresno	4/18/11			7	HP (<=60psig)			3.00	Steel	4.00	Other	Excellent		None							
Fresno	Fresno	S Holloway	Fresno	4/18/11			17	HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	1.00		Good		None				n	n	n	n
North Bay	Vallejo	Buss	Vallejo	4/19/11	2907	B08	9	HP (<=60psig)	2011	n	3.00	Steel		Other			None	n	n					
North Bay	Vallejo	Daniels	Vallejo	4/19/11	2842	J03	35	HP (<=60psig)	1997	n	2.00	PE 2406 (Orange)	0.50									n	n	n
Kern	Kern	Langley	Ridgecrest	4/19/11			6		1983	n	6.00	PE 2406 (Orange)	2.00								n	n	n	n
North Valley	Red Bluff		Red Bluff	4/19/11	1360		43	LP (<=10.5"wc)	1963	y	4.00	Steel	1.25	Single wrap	Good		None	n						
North Coast	Ukiah	McDowell	Hopland	4/20/11	2252	C05	16	HP (<=60psig)	1996	n	6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	
Fresno	Fresno	E Illinois	Fresno	4/20/11			31	HP (<=60psig)			5.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Kern	Kern	Downing	Bakersfield	4/20/11			1				1.00	Steel	16.00											
Kern	Kern	California	Bakersfield	4/20/11			6	HP (<=60psig)			5.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno			4/22/11			37	HP (<=60psig)			4.00	Steel	3.00	Hot Applied Asphalt	Excellent	Acceptable	None	y	y	Good				
San Jose	San Jose	Michigan	Alviso	4/25/11	3351	C02	11				2.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno	E Balch	Fresno	4/25/11						y	4.00	Steel	4.00	Double wrap	Good		None							
Fresno	Fresno	N Grantland	Fresno	4/25/11			10	HP (<=60psig)	2011		3.00	PE 2406 (Orange)	2.00								n	n	n	n
Fresno	Fresno	Balch	Fresno	4/26/11			2	HP (<=60psig)		y	3.00	Steel	4.00	Hot Applied Asphalt			None	y	y	Good				
Kern	Kern	Hughes	Bakersfield	4/26/11			12	HP (<=60psig)			3.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y	Good				
Fresno	Fresno	Academy	Sanger	4/27/11			37	HP (<=60psig)	2011	y	3.00	PE 2406/2708 (Yellow)		Double wrap	Good			n	n					
Kern	Kern	A	Bakersfield	4/27/11			53	HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
North Valley	Redding	Treefoil	Cottonwood	4/27/11	1221	D06	4	HP (<=60psig)	1971	y	3.00	Steel	0.75	Other	Excellent		None							
Fresno	Fresno	Harlan Ranch	Fresno	4/28/11			88	HP (<=60psig)	2010		10.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Fresno	Fresno	Harlan Ranch		4/28/11			97	HP (<=60psig)	2010		8.00	PE 2406/2708 (Yellow)	4.00									n	n	n
North Valley	Redding	Churn Creek	Redding	4/28/11	1080	D02	22	HP (<=60psig)	1967	y	3.00	Steel	2.00	Other	Good		None							
Kern	Kern	Monroe	Taft	4/28/11			36	SHP (<=25psig)	1972	n	1.00	PE 2406/2708 (Yellow)	0.50								n	n	n	
Kern	Kern	Boron	Boron	4/29/11			25	HP (<=60psig)		y	2.00	Steel	2.00	Double wrap	Good		None							
Fresno	Fresno	K	Sanger	4/29/11			28	HP (<=60psig)	2011	y	1.00													
Fresno	Fresno	J	Sanger	4/29/11			25	HP (<=60psig)																
Fresno	Fresno	Shaw	Clovis	4/29/11			68	HP (<=60psig)	2011	n	6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno	E Balch	Fresno	4/29/11			8	LP (<=10.5"wc)			6.00	Steel	1.25	Hot Applied Asphalt	Excellent		None	y	y	Good				
Kern	Kern	E 11th	Bakersfield	4/29/11			5	HP (<=60psig)	2011		4.00	Steel	2.00	Single wrap	Good		None	y	y	Good				
North Valley	Redding	Magnolia	Redding	4/29/11	1079	C05	100	HP (<=60psig)	1967	y	2.00	Steel	0.75	Double wrap	Good		None	n		Good				
Fresno	Fresno	Greenwood	Sanger	5/2/11			22	HP (<=60psig)	1940		2.00	Steel	2.00	Other	Fair		None	n						
Fresno	Fresno	P	Fresno	5/2/11			49	HP (<=60psig)		y	2.00													
Fresno	Fresno	N Blackstone	Fresno	5/2/11			4	HP (<=60psig)	2011	y	6.00	Aldyl A	1.00								n	n	n	n
Fresno	Fresno	Greenwood	Sanger	5/2/11			21	HP (<=60psig)			2.00	Steel	2.00	Other	Fair		None	n	n					
De Anza	De Anza	Carmelita	Mt View	5/3/11	3349	I05	16	HP (<=60psig)	1947	y	3.00	Steel	0.75	Hot Applied Asphalt	Excellent		None	n	y	Good				
Central Coast	King City	Oak	Greenfield	5/3/11	4155	B04	8	HP (<=60psig)	1952	y	16.00	Steel	4.00	Hot Applied Asphalt	Good	Acceptable	None	n	n					
North Bay	Napa	Riverside	Napa	5/3/11	2711	J02	56	HP (<=60psig)	1990	n	2.00	PE 2406 (Orange)	1.00								n	n	n	
Kern	Kern	S China Lake	Ridgecrest	5/3/11			32	HP (<=60psig)	2011	y	2.00	Steel		Hot Applied Asphalt	Good		None	y	y	Good				
North Valley	Redding	Island	Redding	5/3/11	1150	A01	1	HP (<=60psig)	1962	y			2.00											
North Valley	Redding	Island	Redding	5/3/11	1150	A01	1	HP (<=60psig)	1962	y			2.00	Double wrap	Good		None	n		Good				
Kern	Kern	E 11th	Bakersfield	5/4/11			5	HP (<=60psig)			4.00	Steel	2.00	Single wrap	Good		None	y	y	Good				
Kern	Kern	White	Bakersfield	5/4/11			15	HP (<=60psig)	1978	n	1.00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno	4th	Sanger	5/6/11			34	HP (<=60psig)			2.00	Steel	2.00											
North Bay	Vallejo	Tennessee	Vallejo	5/9/11	2907	A05	35	HP (<=60psig)	1991	n	5.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno	S Peach	Fresno	5/9/11			16	HP (<=60psig)	1985	n														
Fresno	Fresno	N Peach	Fresno	5/9/11			26	HP (<=60psig)	1940	y	3.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno	Ventura	Fresno	5/9/11			77	HP (<=60psig)		n	4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern	Willow	Ridgecrest	5/9/11			14	HP (<=60psig)		n	3.00	PE 2406 (Orange)	2.00								n	n	n	n
North Valley	Redding	Hill	Shasta Lake City	5/9/11	1010	B05	77	HP (<=60psig)	1964	y	3.00	Steel	0.75	Hot Applied Asphalt	Good		None	n						
Fresno	Fresno	N Cedar	Fresno	5/10/11			31		2011	n	6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern	Eastwind	Bakersfield	5/11/11			3	HP (<=60psig)	1986		2.00	PE 2406 (Orange)	0.50								n	n	n	n
Fresno	Fresno	De Wilt	Sanger	5/12/11			59	HP (<=60psig)		y	2.00				Fair									
Fresno	Fresno	De Wilt	Sanger	5/12/11			59	HP (<=60psig)		y					Fair									
North Valley	Redding	Mussel Shoals	Shasta Lake City	5/12/11	1011	A02	5	HP (<=60psig)	1965	y	6.00	Steel	0.75	Tape	Good		None	n		Good				
Fresno	Fresno	S Elm	Fresno	5/13/11			32	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	W Larsen	Fresno	5/13/11			3	HP (<=60psig)		y	2.00													
Fresno	Fresno	S Clara	Fresno	5/16/11			18	HP (<=60psig)		y	3.00													
Fresno	Fresno	S Cherry	Fresno	5/16/11			5	HP (<=60psig)		y	3.00	PE 2406 (Orange)												
Fresno	Fresno	Recreation	Fresno	5/16/11			48	HP (<=60psig)	2011	y	2.00													
Kern	Kern	Truxtun	Bakersfield	5/16/11	5027	B03	14	HP (<=60psig)	1945	y	7.00	Steel	0.75	Single wrap	Fair		None	y	y	Good				
Fresno	Fresno	Elm	Fresno	5/17/11			4	HP (<=60psig)		y				Other	Fair									
Central Coast	Coast	41st	Capitola	5/18/11	3676	D02	50	HP (<=60psig)	1946	y	1.00	Steel	4.00	Somastic	Excellent		None	n	n	Good				
North Coast	Ukiah	Luff	Ukiah	5/18/11	2130	B05	7	SHP (<=25psig)	2011	n	80.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno	Jefferson	Fresno	5/18/11			19	HP (<=60psig)																
North Bay	Vallejo	Inca	Vallejo	5/19/11	2908	C01	6	HP (<=60psig)	1955	n	5.00	Steel	0.75	Other	Good		None			Good				
Fresno	Fresno	E Washington	Fresno	5/19/11			24	HP (<=60psig)		y	2.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern	Mary Ann	Ridgecrest	5/19/11			5	HP (<=60psig)		n	2.00	Aldyl A	0.50								n	n	n	n
Kern	Kern	Panama	Bakersfield	5/19/11	5026		5	HP (<=60psig)	2011		3.00	PE 2406/2708 (Yellow)	8.00								n	n	n	n
Central Coast	Hollister	4th	Hollister	5/19/11	3782	A01	1	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	3rd	Santa Cruz	5/24/11	3675	E04	44	HP (<=60psig)	1970	y	3.00	Steel	2.00	Extru Coat	Excellent		None	n	n	Good				
Fresno	Fresno	W Shields	Fresno	5/24/11			3	HP (<=60psig)	2011	n	6.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern	City In The Hills	Bakersfield	5/24/11			63	HP (<=60psig)		n	3.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern	Sillect	Bakersfield	5/24/11	4930		48	HP (<=60psig)		n	3.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern	Sillect	Bakersfield	5/24/11	4930		48	HP (<=60psig)		n	3.00	PE 2406 (Orange)	2.00								n	n	n	n
Central Coast	Coast	Capitola	Capitola	5/25/11	3676	C03	24	HP (<=60psig)	1930	y	11.00	Steel	3.00	Single wrap	Poor		None	y	y	Good				
Fresno	Fresno	N Hughes	Fresno	5/25/11			73	HP (<=60psig)		y														
Fresno	Fresno	Fulton	Fresno	5/25/11			97	HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno	N Hughes	Fresno	5/25/11			43	HP (<=60psig)		y	4.00	PE 2406/2708 (Yellow)	1.00									n	n	n
North Coast	Ukiah	Parducci	Ukiah	6/2/11	2068	H08	3	HP (<=60psig)	1982	n	4.00	PE 2406 (Orange)	1.25								n	n	n	
Fresno	Fresno	E Balch	Fresno	6/2/11			59	HP (<=60psig)	2010	n	7.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Kern	Kern	Stine	Bakersfield	6/2/11			17			n	8.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern	Eye	Bakersfield	6/2/11			70	HP (<=60psig)		n	2.00	Aldyl A	0.50								n	n	n	
North Bay	Napa	Trancas	Napa	6/3/11	2710	G07	53	HP (<=60psig)			6.00	PE 2406 (Orange)	2.00								n	n	n	
North Bay	Napa	Trancas	Napa	6/3/11	2710	G07	8				8.00	PE 2406 (Orange)	1.25								n	n	n	
Fresno	Fresno	East	Fresno	6/3/11																				
Fresno	Fresno	E Hamilton	Fresno	6/3/11	3869	H04	8	HP (<=60psig)	1937		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
Fresno	Fresno	E Heaton	Fresno	6/6/11			13	HP (<=60psig)	1937		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
North Bay	Napa	Napa	Napa	6/6/11	2711	I01	17		1977		4.00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno	E Heaton	Fresno	6/6/11	3869	H04	13	HP (<=60psig)	1937	y	3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
Kern	Kern	San Emedio	Taft	6/6/11			34	SHP (<=25psig)	1972	n	1.00	Aldyl A	0.50								n	n	n	n
Central Coast	Monterey	Gibson	Pacific Grove	6/7/11	3895	F07	61	SHP (<=25psig)	1953	y	9.00	Steel	0.75	Single wrap	Poor		None	y	y	Good				
Central Coast	King City	Rusconi Drive	King City	6/7/11	4028	H05	12	HP (<=60psig)	2007	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno	N Granillard	Fresno	6/7/11	3866	C08	5	HP (<=60psig)	2011		4.00	Steel	2.00	Other	Good		None							
Fresno	Fresno	N 9th	Fresno	6/7/11	3804	J04	15	HP (<=60psig)	2011	y	6.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	y	y	Good				
Kern	Kern	Wilson	Bakersfield	6/7/11			20	HP (<=60psig)		n	1.00	PE 2406 (Orange)	0.50								n	n	n	n
North Coast	Ukiah	Orchard	Ukiah	6/7/11	2130	D01	57	SHP (<=25psig)	1992	n	4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Central Coast	Monterey	Gibson	Pacific Grove	6/7/11	3895	F07	21	SHP (<=25psig)	1953	y	5.00	Steel	2.00	Somastic	Fair		None	y	y	Good				
North Coast	Ukiah	S Hwy 101	Hopland	6/8/11	2252	D03	20	HP (<=60psig)	1970	y	4.00	Steel	2.00	Extru Coat			None	n	n	Good				
Central Coast	Salinas	San Pedro	Salinas	6/8/11	3900	C02	8	HP (<=60psig)	1999	n	2.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno	N Forkner	Fresno	6/8/11	3803	G03	19	HP (<=60psig)	1953	y	5.00	Steel	0.75	Hot Applied Asphalt	Good		None	n	n					
North Bay	Vallejo	L. Ellenburg	Vallejo	6/8/11							3.00	Steel	2.00	Hot Applied Asphalt	Good		None			Good				
Fresno	Fresno	E Lorena	Fresno	6/8/11			42	HP (<=60psig)	2003	n	2.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Kern	Kern	Meadows		6/8/11			11	HP (<=60psig)			3.00	PE 2406 (Orange)	1.25								n	n	n	n
Kern	Kern	Panama	Bakersfield	6/8/11			2	HP (<=60psig)	1981		5.00	Steel	4.00	Double wrap	Good		None	y	y					
Kern	Kern	Cinnamon	Oildale	6/10/11	4930	H02	4	HP (<=60psig)	1975		3.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern	Lotus	Bakersfield	6/10/11			17	HP (<=60psig)	1985	n	10.00	PE 2406 (Orange)	2.00								n	n	n	n
Central Coast	Coast	Holley	Watsonville	6/10/11	3678	I08	11	HP (<=60psig)	1953	y	3.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y	Good				
Central Coast	King City	Rusconi Drive	Soledad	6/13/11	4028	H05	12	HP (<=60psig)	2011	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Kern	Kern	Brundage	Bakersfield	6/13/11			3	HP (<=60psig)		n	2.00	PE 2406 (Orange)	4.00								n	n	n	n
Kern	Kern	General Petroleum	Taft	6/13/11			30	SHP (<=25psig)	1950	y	3.00	Steel	2.00	Hot Applied Asphalt	Fair		None	y	y					
Central Coast	Monterey	11th	Pacific Grove	6/14/11	3896	F01	81	LP (<=10.5"wc)	1955	y	5.00	Steel		Somastic	Good			n	y					
Central Coast	Monterey	Coral	Pacific Grove	6/14/11	3895	H04	31	HP (<=60psig)	1968	y	5.00	Steel	0.75	Somastic	Good		None	n	n	Good				
North Bay	Vallejo	Virginia	Vallejo	6/14/11	2907	B05	30	HP (<=60psig)			2.00	PE 2406 (Orange)	0.50								n	n	n	n
Central Coast	Monterey	Coral	Pebble Beach	6/14/11	3895	H04	29	HP (<=60psig)	1950	y	3.00	Steel	0.75	Hot Applied Asphalt	Fair			n						
Central Coast	Monterey	The Old	Pebble Beach	6/14/11	3895	H04	14	HP (<=60psig)	1958	y	6.00	Steel	0.75	Somastic	Good		None	n	n	Good				
Kern	Kern	Pioneer	Bakersfield	6/14/11			9	HP (<=60psig)			2.00	PE 2406/2708 (Yellow)	4.00								n	n	n	n
Kern	Kern	Mt Vernon	Bakersfield	6/14/11			14	HP (<=60psig)		y	3.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno	N 3rd	Fresno	6/14/11			76	HP (<=60psig)			5.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	y	y	Good				
Central Coast	Monterey	Hwy No 1	Carmel	6/15/11	3957	D01	37	HP (<=60psig)	1960	y	1.00	Steel	0.75	Double wrap	Good		None	n	n	Good				
Central Coast	Monterey	David	Monterey	6/15/11	3896	F02	6	HP (<=60psig)	1960	y	1.00	Steel	0.75	Hot Applied Asphalt	Good		None	n	y	Good				
Central Coast	King City	Rusconi Drive	Soledad	6/15/11	4028	H05		HP (<=60psig)	2007	y	2.00	PE 2406/2708 (Yellow)	1.00								n		n	n
Central Coast	King City	Rusconi Drive	Soledad	6/15/11	4028	H05	11	HP (<=60psig)	2011	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
North Bay	Napa	Hwy 29	St Helena	6/15/11	2639	D03	1				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	Manor	Los Altos	6/15/11	3410		19	HP (<=60psig)	1944		3.00	Steel	2.00											
Kern	Kern	24TH	Bakersfield	6/15/11			27	HP (<=60psig)			3.00	Steel	3.00	Hot Applied Asphalt	Good		None	y	y	Good				
Kern	Kern	Pageant	Bakersfield	6/15/11			33	HP (<=60psig)		y	2.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Kern	Kern	24TH	Bakersfield	6/15/11			28	HP (<=60psig)			2.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y					
North Coast	Ukiah	Kunzler Ranch	Ukiah	6/15/11	2129	A08	15	SHP (<=25psig)	1968	y	6.00	Steel		Hot Applied Asphalt	Good		None	n	n	Good				
Central Coast	King City	Rusconi Drive	Soledad	6/16/11	4028	H05	11	HP (<=60psig)	2011	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Central Coast	King City	Rusconi Drive	Soledad	6/16/11	4028	H05	11	HP (<=60psig)	2011	y	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
North Bay	Vallejo	Columbus	Vallejo	6/16/11	2843	H03	2	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	6.00								n	n	n	
Fresno	Fresno	N 3rd	Fresno	6/17/11			76	HP (<=60psig)			4.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	y	Good				
Central Coast	Monterey	7th	Pacific Grove	6/20/11	3896	G01	120	SHP (<=25psig)	1955	y	2.00	Steel	0.75	Somastic	Fair	Acceptable		n	y	Good				
North Coast	Ukiah	S Main	Willits	6/20/11	1943	E07	59	HP (<=60psig)	1974	n	4.00	Aldyl A	0.50								n	n	n	
North Valley	Redding	Locust	Shasta Lake City	6/20/11	1011	C01	29	HP (<=60psig)	1964	y	5.00	Steel	0.75	Double wrap	Good		None	n	n					
Central Coast	Monterey	Alice	Monterey	6/21/11	3896	G01	84	HP (<=60psig)	1971	y	1.00	Steel	0.75	Hot Applied Asphalt	Good			n	n	Good				
Kern	Kern	Colony	Bakersfield	6/22/11			15	HP (<=60psig)		n	2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern	B	Taft	6/22/11			24	SHP (<=25psig)			1.00	PE 2406 (Orange)	0.50									n	n	n
North Valley	Redding	Tanya	Shasta Lake City	6/22/11	1011	A02	7	HP (<=60psig)	1973	n	10.00	Aldyl A	0.50								n	y	n	n
North Valley	Redding	Shasta	Redding	6/23/11	1079	C06	41	HP (<=60psig)	1977	n	2.00	Aldyl A	0.50									n	n	
Fresno	Fresno			6/23/11			37	HP (<=60psig)			4.00	Steel	3.00	Hot Applied Asphalt			None	y	y	Good				
Kern	Kern	Woodrow	Taft	6/25/11			21	SHP (<=25psig)		n	2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Central Coast	Coast	San Andreas	La Selva Beach	6/28/11	3677	I07	1	HP (<=60psig)	1965	y	6.00	Steel	4.00	Paint	Poor		Light	y	y	Good				
North Coast	Ukiah	Riverside	Ukiah	6/29/11	2190	E07	2	HP (<=60psig)	1978	y	6.00	Steel	3.00	Hot Applied Asphalt			None	n	n	Good				
Central Coast	Coast	Mc Gregor	Aptos	6/29/11	3676		28	HP (<=60psig)	1985	y	5.00	PE 2406 (Orange)	3.00								n	n	n	
Central Coast	Coast	Mc Gregor	Aptos	6/29/11	3676		28	HP (<=60psig)	1985	y	6.00	Steel	2.00	Double wrap	Excellent		None	y	y	Good				
North Bay	Napa	Sonoma	Napa	6/29/11	2710	H07	37	HP (<=60psig)			4.00	Steel		Hot Applied Asphalt	Fair		None							
San Francisco	San Francisco	Cambridge	San Francisco	6/29/11	___4	F01	61					Aldyl A	3.00								n	n	n	
North Bay	Marin	Fifth	San Rafael	6/30/11	2927	J03	16	HP (<=60psig)	1943	y	4.00	Steel	0.75	Hot Applied Asphalt	Fair		None	y	y					
Fresno	Fresno	E Merced	Avenal	6/30/11			7	HP (<=60psig)			2.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern	Wood	Taft	6/30/11			29	SHP (<=25psig)			2.00	Aldyl A	0.50								n	n	n	n
North Bay	Napa	Inglewood	St Helena	6/30/11	2571	I04	10	HP (<=60psig)		y	5.00	Steel	2.00	Hot Applied Asphalt	Fair		None							
San Francisco	San Francisco	Howard	San Francisco	6/30/11	___2		30	HP (<=60psig)		n	2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	
San Francisco	San Francisco	Howard	San Francisco	6/30/11	___2	F04	30	HP (<=60psig)		n	2.00	PE 2406/2708 (Yellow)	2.00								n	n	n	
North Bay	Marin	Sir Francis Drake	Ross	6/30/11	2985	B02	21	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