SEPTEMBER 30, 2011

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Introduction and Background

This report is being submitted in compliance with California Public Utilities

Commission (CPUC or Commission) Decision 11-05-018 concerning Pacific Gas and

Electric Company's (PG&E or the Company) 2011 General Rate Case (GRC). Ordering

Paragraph (OP) 44 of that decision requires that:

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

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

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

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

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

- ffi Decision-Making Process (Item 1);
- ffi Budgeting, Spending and Project Reprioritization (Items 2-12); and
- ffi 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

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

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:

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.

- ffi 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.
- ffi Priority 2: Work that would have a moderate impact on the Company's operational goals but for which deferral may be considered.
- ffi Priority 3: Work that is necessary to successfully realize the Company's longterm 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 Dist	ribution 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 Distr	ibution 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 Distr	ibution 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.

\$ in thousands

Gas Distrib	oution - Car	<u>pital</u>				
MWC	Project No	Project No Description	Order	Order Description	YID	order Costs Since
					Actual	Inception
14	5500108	Pipeline Replacement	TOTAL		\$ 11	
14	5500725	Pipeline Replacement-East Bay Pipeline Replacement-East Bay	30616134 30810294	OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE BERKELEY GPRP - PHASE 2: Redacted	\$ 168 \$ 1,029	\$ 1,703 \$ 1,431
14	5500725 5500725	Pipeline Replacement-East Bay Pipeline Replacement-East Bay	30814275	R2L GF Redacted GPRP	\$ 33	\$ 223
14	5500725	Pipeline Replacement-East Bay	OTHER		-\$3	
14	5500725 5500726	Pipeline Replacement-East Bay Pipeline Replacement-Fresno	30750011	WEST FRESNO GPRP 2010	\$ 1,226 \$ 161	\$ 2,228
14	5500726	Pipeline Replacement-Fresho Pipeline Replacement-Fresho	30807391	Redacted	\$ 971	\$ 1,277
14	5500726	Pipeline Replacement-Fresno	30807430	Reducted	\$ 274	\$ 700
14	5500726	Pipeline Replacement-Fresno	30808712		\$ 32	\$ 52
14	5500726 5500726	Pipeline Replacement-Fresno Pipeline Replacement-Fresno	OTHER TOTAL		\$ 1,439	
14	5500910	Pipeline Replacement-North Bay	30737244	OC4 GPRP SANTA MARGARITA, SAN RAFAEL	\$ 37	\$ 392
14	5500910	Pipeline Replacement-North Bay	30835701	GPRP Redacted	\$ 12	\$ 62
14	5500910	Pipeline Replacement-North Bay	OTHER		\$ 30	
14	5500910 5500912	Pipeline Replacement-North Bay Pipeline Replacement-SO	TOTAL 30737291	OC4 GPRP Dedacted	\$ 83	\$ 1,073
14	5500912	Pipeline Replacement-SO	30826696	GD GPRP WEST AND VARIOUS, PETALUMA	\$ 14	\$ 1.073
14	5500912	Pipeline Replacement-SO	30835636	OC4 GD GPRP Dedacted	\$ 369	\$ 381
14	5500912	Pipeline Replacement-SO	OTHER		\$ 8	
14	5500912 5500914	Pipeline Replacement-SO Pipeline Replacement-North Valley	TOTAL 30795703	RED BLUFF GPRP Dodactod	\$ 476 \$ 2	\$ 138
14	5500914	Pipeline Replacement-North Valley	OTHER	RED BEST, OF RELIANT TO THE	\$ 0	0,00
14	5500914	Pipeline Replacement-North Valley	TOTAL		\$ 2	
14	5500917	Pipeline Replacement-Peninsula	30736194	OC1 GPRP REDWOOD CITY	\$ 195	\$ 1,476
14	5500917 5500917	Pipeline Replacement-Peninsula Pipeline Replacement-Peninsula	30796765 OTHER	HOOVER GPRP (2011 CRITICAL PROJECT)	\$ 118 \$ 29	\$ 174
14	5500917	Pipeline Replacement-Peninsula	TOTAL		\$ 341	
14	5500919	Pipeline Replacement-Sacramento	30616128	OC4 G PRP Dedacted	\$ 27	\$ 491
14	5500919 5500919	Pipeline Replacement-Sacramento Pipeline Replacement-Sacramento	30616130 OTHER	OC4 GP PRP Dedacted	\$ 63	\$ 718
14	5500919	Pipeline Replacement-Sacramento	TOTAL		\$ 113	
14	5500923	Pipeline Replacement-San Jose	30680560	G S Redacted GPRP	\$ 14	\$ 1,202
14	5500923	Pipeline Replacement-San Jose	30746089	PH L	\$ 641	\$ 772
14	5500923 5500923	Pipeline Replacement-San Jose Pipeline Replacement-San Jose	30753678 30801105	Redacte GPRPSAN JOSE GPRP, SJ	\$ 526 \$ 21	\$ 672 \$ 231
14	5500923	Pipeline Replacement-San Jose	OTHER	GL. BFRF, 30	\$ 16	3 231
14	5500923	Pipeline Replacement-San Jose	TOTAL		\$ 1,218	
14	5500926	Pipeline Replacement-Stockton	30668852	GPRP Redacted LODI PHAS	\$ 959	\$ 1,460
14	5500926 5500926	Pipeline Replacement-Stockton Pipeline Replacement-Stockton	OTHER TOTAL		\$ 959	
14	5500928	Pipeline Replacement-Yosemite	30741372	OC2 GPRP Redacted PHASE 2	\$ 35	\$ 754
14	5500928	Pipeline Replacement-Yosemite	OTHER		\$ 16	
14	5500928 5505699	Pipeline Replacement-Yosemite Pipeline Replacement - Kern	30793853	OC2 REPL. MAIN Redacted	\$ 51 \$ 24	\$ 332
14	5505699	Pipeline Replacement - Kern	OTHER	OCZ REPL. MAIN RANACTAN	\$0	3 332
14	5505699	Pipeline Replacement - Kern	TOTAL		\$ 24	
14	5505701	Pipeline Replacement - Sierra	30804511	REPL LP GPRP Dedacted	\$ 450	\$ 474
14	5505701 5505701	Pipeline Replacement - Sierra Pipeline Replacement - Sierra	OTHER TOTAL	-	\$ 0 \$ 450	
14	5506443	Pipeline Replacement - Sierra Pipeline Replacement-San Francisco	30649246	OC1 GPRP Dedacted	\$ 20	\$ 2,088
14	5506443	Pipeline Replacement-San Francisco	30674899	OC1 G GPRP Redacted	\$ 68	\$ 1,609
14	5506443	Pipeline Replacement-San Francisco	30674922	OCT G GPRP	\$ 83	\$ 4,099
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30753677 30754768	OC1 G GPRP	\$ 264	\$ 2,951 \$ 1,439
14	5506443	Pipeline Replacement-San Francisco	30754774	OC1 G GPRP	\$ 334	\$ 3,242
14	5506443	Pipeline Replacement-San Francisco	30804481	OC1 GPRP Redacted	\$ 408	\$ 409
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30806806 30806814	GPRP OUTER MISSION 2 G GPRP OXFORD, SF	\$ 1,672 \$ 3,051	\$ 2,169 \$ 3,619
14	5506443	Pipeline Replacement-San Francisco 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 GPRF Redacted	\$ 2,839	\$ 2,848
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30807861 30807977	GPRP Dodactod G GPRP Dodactod	\$ 3,302	\$ 3,921 \$ 2,229
14	5506443	Pipeline Replacement-San Francisco	30808096	G GPRP Redacted	\$ 2,025	\$ 3,088
14	5506443	Pipeline Replacement-San Francisco	30808140	G GPRP	\$ 1,222	\$ 1,516
14	5506443	Pipeline Replacement-San Francisco	30808157	G GPRP	\$ 1,100	\$ 1,110
14	5506443	Pipeline Replacement-San Francisco	30808260	G GPRPL	\$ 2,257	\$ 2,333

			100			
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 Dodactod	\$ 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 Dodactod	\$ 358	\$ 489
14	5506443	Pipeline Replacement-San Francisco	30820278	G GPRP Redacted	\$ 508	\$ 997
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30821410 30821601	R1 E G GPRP BERNAL HEIGHTS, SF	\$ 18 \$ 202	\$ 174 \$ 513
14	5506443	Pipeline Replacement-San Francisco	30823194	M GPRP Dedacted	\$ 559	\$ 1,041
14	5506443	Pipeline Replacement-San Francisco	30829620	M GPRP Dodge - SF	\$ 158	\$ 348
14	5506443	Pipeline Replacement-San Francisco	30829626	OC1 E G GPRF Redacted	\$ 499	\$ 501
14	5506443	Pipeline Replacement-San Francisco	OTHER		-\$ 121	
14	5506443 5507199	Pipeline Replacement-San Francisco EB Copper Service Replacement	TOTAL		\$ 30,567 \$ 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 5507664	FR A67 Services Replacement YO A67 Services Replacement	TOTAL		\$ 28	
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 5508321	PN A67 Services Replacement DA A67 Services Replacement	TOTAL		\$ 78 \$ 112	
14	5508321	CC Copper Services Replacement	TOTAL		\$112	
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 5508371	SA A67 Services Replacement FR Copper Service Replacement	TOTAL		\$ 121 \$ 2,591	
14	5508371	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 5510177	Econ Stim SA Copper Srv Repl Econ Stim Pipeline Replacement San Jose	TOTAL		\$ 1 \$ 6	
14	5510178	Econ Stim Pipeline Replacement San Franc	30820364	R4 G GPRP Redact	\$ 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 14 TOTAL	5510180	Econ Stim SJ Copper Inaccessible Tees	TOTAL		\$ 60,962	
27	5500885	Meter Protect Capital-East Bay	TOTAL		\$ 00,962	
27 TOTAL	1	All the last of th	1		\$ 0	
47	5500748	Incr. Capacity G-Df	30789549	OCI Redacted	\$ 754	\$ 806
47	5500748	Incr. Capacity G-DI	30820811	MAIN REINFORC Dedacted	\$ 462	\$ 604
47	5500748 5500748	Incr. Capacity G-DI Incr. Capacity G-DI	OTHER TOTAL		\$ 10 \$ 1,226	
47	5500748	Incr. Capacity G-BI	TOTAL		\$ 1,226	
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 Dedacted	\$ 25	\$ 571
47	5500750	Incr. Capacity G-FR	OTHER		\$ 0	
47	5500750	Incr. Capacity G-FR	TOTAL	COA B I I NOTALL 4400 FT C	\$ 110	W. J. J. C.
47	5500752 5500752	Incr. Capacity G-MI Incr. Capacity G-MI	30747707 OTHER	OC1 Redacted NSTALL 4100 FT O	\$ 141 \$ 85	\$ 1,186
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. Dadactad	\$ 386	\$ 572
47	5500755 5500755	Incr. Capacity G-NV Incr. Capacity G-NV	OTHER TOTAL	-	\$ 5	
47	5500756	Incr. Capacity G-NV	30783043	OCI Dedacted	\$ 391	\$ 458
47	5500756	Incr. Capacity G-PN	OTHER		\$ 49	
47	5500756	Incr. Capacity G-PN	TOTAL		\$ 446	
47	5500757	Incr. Capacity G-SA	TOTAL		\$ 231	
47	5500759	Incr. Capacity G-SJ	30675123	OC2 G 1,270-FT 4°PL Redacted	\$ 94	\$ 281
47	5500759	Incr. Capacity G-SJ	OTHER	1	\$7	
47	5500759	Incr. Capacity G-SJ	TOTAL		\$ 101	

				YTD C	Order Costs
MWC	Project No Description	Order	Order Description	Actual	Since Inception
47	5500760 Incr. Capacity G-SI	OTHER	<u> </u>	\$ 52	
47	5500760 Incr. Capacity G-SI	TOTAL		\$ 343	
47	5500761 Incr. Capacity G-ST	30790929	R5Dodactod	\$ 25	\$ 56
47	5500761 Incr. Capacity G-ST	30797736	Redacted	\$ 331	\$ 338
47 47	5500761 Incr. Capacity G-ST	OTHER TOTAL		\$ 0 \$ 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	30676477	R2 INSTALL DRS Redacted	\$ 71 \$ 35	\$ 136
47	5508860 47C - Con/Acq New Fac-G-Cap-RegSta - PN2	30783042	Redacted	\$ 250	\$ 408
47	5508860 47C - Con/Acq New Fac-G-Cap-RegSta - PN2	OTHER	Redacted	\$0	
47	5508860 47C - Con/Acq New Fac-G-Cap-RegSta - PN2		***************************************	\$ 285	
47	5508861 47C - Cons/Acq New Fac-G-Cap-RegSta			\$ 1	
47	5508862 47C - Cons/Acq New Fac-G-Cap-RegSta - DI 5508862 47C - Cons/Acq New Fac-G-Cap-RegSta - DI	30813671 OTHER	REBUILD Redacted	\$ 23	\$ 25
47	5508862 47C - Cons/Acq New Fac-G-Cap-RegSta - DI	TOTAL		\$ 25	
47	5508863 47C - Cons/Acq New Fac-G-Cap-RegSta - MI	30786843	OC1 RH-06-INSTALL DR Redacted	\$ 142	\$ 1,016
47	5508863 47C - Cons/Acq New Fac-G-Cap-RegSta - MI	30787989	INST DUAL DR. STATION	\$ 417	\$ 836
47	5508863 47C - Cons/Acq New Fac-G-Cap-RegSta - Mt	OTHER		\$0	
47	5508863 47C - Cons/Acq New Fac-G-Cap-RegSta - MI 5508871 47C - Cons/Acq New Fac-G-Cap-RegSta	YO TOTAL		\$ 559 -\$ 2	
47	5508872 47C - Cons/Acq New Fac-G-Cap-RegSta			\$8	
47	5508873 47C - Cons/Acq New Fac-G-Cap-RegSta - SA	30740781	OC4 Redacted INSTLR	\$ 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		D - d - d - d	\$ 181	
47 47	5508874 47C - Cons/Acq New Fac-G-Cap-RegSta - SI 5508874 47C - Cons/Acq New Fac-G-Cap-RegSta - SI	30810188 OTHER	REBLD DR MRC-12. Redacted	\$44	\$ 139
47	5508874 47C - Cons/Acq New Fac-G-Cap-RegSta - SI	TOTAL		\$ 44	
47	5508875 47C - Cons/Acq New Fac-G-RegSta - SO	30826697	R4 GD REBUILD DR Redacted	\$ 16	\$ 16
47	5508875 47C - Cons/Acq New Fac-G-RegSta - SO	OTHER		\$ 0	
47	5508875 47C - Cons/Acq New Fac-G-RegSta - SO	TOTAL	2. CH.D. DE C. 110. DED1111. D. 110. UNITS (1). E	\$ 16	
47	5508876 47C - Cons/Acq New Fac-G-Cap-RegSta - NB 5508876 47C - Cons/Acq New Fac-G-Cap-RegSta - NB	30797133 OTHER	G CAP_REG 118 REBUILD_YOUNTVILLE	\$ 22	\$ 35
47	5508876 47C - Cons/Acq New Fac-G-Cap-RegSta - NB			\$ 22	
47	5508878 47D - Con/Acq New Fac-G-Cap-Rep/Reg			\$ 9	
47	5508888 47D - Con/Acq New Fac-G-Cap-ReplReg			\$ 57	
47	5508891 47E - Con/AcquirNewFacil G-Cap-Betr - S			\$ 4	
47	550896 47E - Con/AcquirNewFacil G-Cap-Betr - F 5508913 47F - Cons/Acquire NewFac G-Cap-Oth -			\$ 0	
47	5508916 47F - Cons/Acquire NewFac G-Cap-Oth -			\$ 3	
47	5508917 47F - Cons/Acquire NewFac G-Cap-Oth -			\$ 4	
47	5508972 47B - Cons/Acq New Fac-G-Cap-Mains - HB	30762994	OC4 GD CAPACITY Dodactod	\$ 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 5509250 Est - Int Est/DesignDist - SCV MWC 47	TOTAL		\$ 33	
47 TOTAL	3309230 Est - IIIt Est/DesignDist - 000 IIIII 0 47	IOIAL		\$ 4,953	
50	5500640 Impr Rel/Dep G-CC	TOTAL		\$ 51	
50	5500641 Impr Rel/Dep G-DA	TOTAL		\$ 14	
50	5500643 mpr Rel/Dep G-DI	TOTAL		\$ 48	
50 50	5500645 Impr Rel/Dep G-EB	30805155	GP Dodactod	\$ 30 \$ 183	\$ 344
50	5500646 Impr Rel/Dep G-FR	OTHER	GriDodactod	\$ 225	3 344
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 50	5500650 Impr Rel/Dep G-NB 5500650 Impr Rel/Dep G-NB	30679552	G RM Redacted OC4 GP RM REPURDACTED	\$ 22	\$ 47
50	5500650 Impr Rel/Dep G-NB 5500650 Impr Rel/Dep G-NB	30751625 30761915	=P RM REPL Dedacted	\$ 50 \$ 19	\$ 626 \$ 50
50	5500650 Impr Rel/Dep G-NB	30813051	GP REPL Dodactod	\$ 15	\$ 18
50	5500650 Impr Rel/Dep G-NB	30813057	G RM REPLIMAIN Redacted	\$ 260	\$ 362
50	5500650 Impr Rel/Dep G-NB	30827211	GP RM Redacted	\$ 668	\$ 877
50	5500650 Impr Rel/Dep G-NB	OTHER		\$ 35	
50 50		TOTAL 30679554	G RM Redacted	\$ 1,068 \$ 18	\$ 44
50	5500651 Impr Rel/Dep G - SO	30810993	R4_RP Redacted	\$ 17	\$ 19
50	5500651 Impr Rel/Dep G - SO	OTHER	Teduced	\$ 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

WWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Inception
50	5500657	Impr Rei/Dep G-PN	OTHER		\$ 195	
50	5500657	Impr Rel/Dep G-PN	TOTAL		\$ 230	
50	5500658 5500658	Impr Rel/Dep G-SA Impr Rel/Dep G-SA	30846074 OTHER	GP Redacted	\$ 313 \$ 473	\$ 486
50	5500658	Impr Rel/Dep G-SA	TOTAL		\$ 786	
50	5500659	Impr Rel/Dep G-SF	30759573	OC1 GREPL MAIN Redacted	\$ 489	\$ 631
50	5500659	Impr Rel/Dep G-SF	30761621	OC1 GREPL 6"STLHP Redacted	\$ 122	\$ 793
50	5500659	Impr Rel/Dep G-SF	30833648	DOLORES MFRP, SF	\$ 54	\$ 72
50	5500659 5500659	Impr Rel/Dep G-SF Impr Rel/Dep G-SF	OTHER TOTAL		\$ 204 \$ 870	
50	5500660	Impr Rel/Dep G-SJ	TOTAL		\$ 416	
50	5500661	Impr Rei/Dep G-SI	TOTAL		\$ 148	
50	5500662	Impr Rei/Dep G-ST	30755040	GRANTLINE & L-2 +	\$ 14	\$ 792
50	5500662	Impr Rel/Dep G-ST	30756701	Redacted	\$ 455	\$ 597
50	5500662 5500662	Impr Rel/Dep G-ST Impr Rel/Dep G-ST	OTHER TOTAL	+	\$ 288 \$ 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 5506942	System-wide unscheduled main replacement Imp Rel / Dep, Gas Services - EB	TOTAL		\$ 87 \$ 1,066	
50	5506942	Imp Rel / Dep, Gas Services - EB	TOTAL		\$ 1,000	
50	5506944	Imp Rel / Dep, Gas Svcs - CC	TOTAL		\$ 187	
50	5506945	Imp Rei / Dep, Gas Svcs - DA	TOTAL		\$ 110	
50	5506946	Imp Rei / Dep, Gas Svcs - Di	TOTAL		\$ 421	
50	5506947 5506948	Imp Rel / Dep, Gas Svcs - FR Imp Rel / Dep, Gas Svcs - KE	TOTAL		\$ 152 \$ 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 5506953	Imp Rel / Dep, Gas Svcs - PN Imp Rel / Dep, Gas Svcs - SA	TOTAL		\$ 460	
50	5506954	Imp Rel / Dep, Gas Svcs - SA	TOTAL		\$ 646 \$ 436	
50	5506955	Imp Rel / Dep, Gas Svcs - SI	TOTAL		\$ 348	
50	5506956	imp Rei / Dep, Gas Svcs - SJ	TOTAL		\$ 734	
50	5506957	Imp Rel / Dep, Gas Svcs - ST	TOTAL		\$ 207	
50	5506958 5506959	Imp Rel / Dep, Gas Svcs - YO Impr Relb/Sys Depnd-G-CP Sys - CC	TOTAL		\$ 144 \$ 61	
50	5506960	Impr Relb/Sys Depnd-G-CP Sys - DA	TOTAL		\$ 38	
50	5506961	Impr Reib/Sys Depnd-G-CP Sys - DI	TOTAL		\$ 88	
50	5506962	Impr Reib/Sys Depnd-G-CP Sys - EB	TOTAL		\$ 92	
50	5506963 5506963	Impr Relb/Sys Depnd-G-CP Sys - FR Impr Relb/Sys Depnd-G-CP Sys - FR	30766290 OTHER	OC2 2010 INST ANODES (15) FRESNO DIVISN	\$ 363 \$ 15	\$ 434
50	5506963	Impr Relb/Sys Deprid-G-CP Sys - FR	TOTAL		\$ 378	
50	5506964	Impr Relb/Sys Depnd-G-CP Sys - KE	TOTAL		\$ 16	
50		Impr Relb/Sys Depnd-G-CP Sys - NB	TOTAL		\$ 63	
50	5506967	Impr Reib/Sys Depnd G CR Sys - NV	TOTAL		\$ 134	
50	5506968 5506969	Impr Reib/Sys Depnd-G-CP Sys - NV Impr Reib/Sys Depnd-G-CP Sys - PN	TOTAL	-	\$ 85 \$ 13	
50	5506970	Impr Reib/Sys Depnd-G-CP Sys - SA	TOTAL		\$ 135	
50	5506971	Impr Relb/Sys Depnd-G-CP Sys - SF	TOTAL		\$ 20	
50	5506972	Impr Reib/Sys Depnd-G-CP Sys - SI	TOTAL		\$ 5	
50	5506973 5506974	Impr Relb/Sys Depnd-G-CP Sys - SJ Impr Relb/Sys Depnd-G-CP Sys - ST	TOTAL		\$ 85 \$ 57	
50	5506974	Impr Reib/Sys Depnd-G-CP Sys - YO	TOTAL		\$ 29	
50	5506976	Impr Relb/Sys Depnd-G-Oth Equip - CC	TOTAL		\$ 18	
50	5506978	impr Reib/Sys Depnd-G-Oth Equip - Di	TOTAL		\$ 161	
50	5506979	Impr Relb/Sys Depnd-G-Oth Equip - EB Impr Relb/Sys Depnd-G-Oth Equip - FR	TOTAL		\$110	
50	5506980 5506981	Impr Reib/Sys Depnd-G-Oth Equip - KE	TOTAL		\$ 2	
50	5506982	Impr Reib/Sys Depnd-G-Oth Equip - MI	TOTAL		-\$ 5	
50	5506983	Impr Reib/Sys Depnd-G-Oth Equip - NB	TOTAL		\$ 76	
50	5506984	Impr Reib/Sys Depnd-G-Oth Equip - SO	TOTAL		\$ 11	
50	5506985 5506986	Impr Relb/Sys Depnd-G-Oth Equip - NV Impr Relb/Sys Depnd-G-Oth Equip - PN	TOTAL 30758821	OC1 INSTLL 400" PL AND ABANDON DR STN 2	\$ 6 \$ 278	\$ 290
50	5506986	Impr Relb/Sys Depnd-G-Oth Equip - PN	OTHER	CO. MAGILE AND PENTAD ADMINDOR DIVOTRE	\$ 17	2 200
50	5506986	Impr Relb/Sys Depnd-G-Oth Equip - PN	TOTAL		\$ 295	
50	5506987	Impr Reib/Sys Depnd-G-Oth Equip - SA	TOTAL		\$ 19	
50	5506988 5506989	Impr Relb/Sys Depnd-G-Oth Equip - SF Impr Relb/Sys Depnd-G-Oth Equip - SI	TOTAL		\$ 152 -\$ 1	
50	5506990	Impr Reib/Sys Depnd-G-Oth Equip - SI	TOTAL		\$ 236	

50 50 50 50 50 50 50 50 50	5506991 5506992 5506993 5506994	Impr Relb/Sys Depnd-G-Oth Equip - ST	Order	Order Description	YTD Actual	Order Costs Since Inception
50 50 50 50 50 50	5506991 5506992 5506993 5506994	Impr Relb/Sys Depnd-G-Oth Equip - ST			Actual	
50 50 50 50 50 50 50	5506992 5506993 5506994					A COLUMNIA
50 50 50 50 50 50	5506993 5506994	7 80 to 40 80 1	TOTAL		\$ 43	
50 50 50 50	5506994	Impr Relb/Sys Depnd-G-Oth Equip - YO	TOTAL		\$ 23 \$ 331	
50 50 50		Impr Relb/Sys Depnd-G-Regs - CC Impr Relb/Sys Depnd-G-Regs - DA	30758394	A-10 Redacted BLOCK VALVE	\$ 331 \$ 256	\$ 2
50	5506994	Impr Relb/Sys Depnd-G-Regs - DA	OTHER	reducted	\$ 519	
	5506994	Impr Relb/Sys Depnd-G-Regs - DA	TOTAL	D 1 1 1	\$ 776	
00	5506995 5506995	Impr Relb/Sys Depnd-G-Regs - DI Impr Relb/Sys Depnd-G-Regs - DI	30692911 30757351	OC1 G REBUILD Redacted OC1 G REBUILD DR STA Redacted	\$ 28 \$ 19	\$ 4 \$ 4
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30757362	OC1 G DR STATION Redacted	\$ 11	\$ 2
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	30812259	REBUILD Redacted	\$ 148	\$ 3
50	5506995	Impr Reib/Sys Depnd-G-Regs - DI	30826505	R1 G REBUILD Redacted	\$ 26	\$
50 50	5506995 5506995	Impr Relb/Sys Depnd-G-Regs - DI Impr Relb/Sys Depnd-G-Regs - DI	OTHER TOTAL		\$ 17 \$ 24 8	
50	5506996	Impr Relb/Sys Depnd-G-Regs - EB	30712896	GF Redacted	\$ 210	\$ 3
50	5506996	Impr Relb/Sys Depnd-G-Regs - EB	OTHER		\$ 69	
50	5506996	Impr Relb/Sys Depnd-G-Regs - EB	TOTAL	DRID DD D 26 D - 444	\$ 279	
50 50	5506997 5506997	Impr Relb/Sys Depnd-G-Regs - FR Impr Relb/Sys Depnd-G-Regs - FR	30784975 OTHER	RBLD DR D-36 Redacted	\$ 6 \$ 39	5 -
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 50	5507000 5507001	Impr Relb/Sys Depnd-G-Regs - NB Impr Relb/Sys Depnd-G-Regs - SO	TOTAL 30762547	G GREPLACE REG STA R42 Redacted	\$ 193 \$ 195	\$ 3
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	30785447	GR-UPGRADE R585-Redacted	\$ 28	\$
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	30803970	R7 12 REPL U25 REG STA / UKIAH	\$ 57	\$
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	OTHER		\$ 19	
50 50	5507001 5507002	Impr Relb/Sys Depnd-G-Regs - SO Impr Relb/Sys Depnd-G-Regs - NV	30753589	R6 GD REBUILD RED Redacted	\$ 299 \$ 34	\$
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30754754	OC4 R-003 Redacted	\$ 275	\$ 6
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755085	ORB-006 Redacted	\$ 529	\$ 6
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755086	ORB-01 Redacted	\$ 240	\$ 2
50 50	5507002 5507002	Impr Relb/Sys Depnd-G-Regs - NV Impr Relb/Sys Depnd-G-Regs - NV	30755087 30774980	ORB-38 Redacted D-S REBUILD DR-56 Redacted	\$ 62 \$ 254	\$ 25 \$ 25
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	OTHER	D-5 REBUSED DR-30 REPLATIEN	\$ 505	3 2:
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	TOTAL		\$ 1,898	
50	5507003	Impr Relb/Sys Depnd-G-Regs - PN	30741812	R7 C45 Dedacted	\$ 15	\$
50 50	5507003 5507003	Impr Relb/Sys Depnd-G-Regs - PN Impr Relb/Sys Depnd-G-Regs - PN	30741815 OTHER	A89 Redacted	\$ 22 \$ 686	\$
50	5507003	Impr Relb/Sys Depnd-G-Regs - PN	TOTAL		\$ 723	
50	5507004	Impr Relb/Sys Depnd-G-Regs - SA	30714055	OC Redacted A-62) REG RPL	\$ 20	\$ 3
50	5507004	Impr Relb/Sys Depnd-G-Regs - SA	30787993	R4 NEW REG STATION - Redacted	\$ 38	\$
50 50	5507004 5507004	Impr Relb/Sys Depnd-G-Regs - SA Impr Relb/Sys Depnd-G-Regs - SA	OTHER	_	\$ 157 \$ 216	
50	5507005	Impr Relb/Sys Depnd-G-Regs - SF	30759576	OC1 G REPL R-11 Dedacted	\$ 495	\$ 8
50	5507005	Impr Relb/Sys Depnd-G-Regs - SF	OTHER		\$ 38	
50	5507005	Impr Relb/Sys Depnd-G-Regs - SF	TOTAL	D.C. DEDUCE DE MOG LA GUNENDAT	\$ 533	
50 50	5507006 5507006	Impr Relb/Sys Depnd-G-Regs - SI Impr Relb/Sys Depnd-G-Regs - SI	30799615 OTHER	R4E REBUILD DR MRC-10, OLIVEHRST	\$ 27 \$ 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 Reib/Sys Depnd-G-Regs - ST	TOTAL		\$ 48	
50 50	5507009 5507010	Impr Reib/Sys Depnd-G-Regs - YO Impr Reib/Sys Depnd-G-Valves - CC	TOTAL		\$ 7 \$ 352	
50	5507010	Impr Reib/Sys Depnd-G-Valves - Di	TOTAL		\$ 244	
50	5507013	Impr Relb/Sys Depnd-G-Valves - EB	TOTAL		\$ 216	
50	5507014	Impr Reib/Sys Depnd-G-Valves - FR Impr Reib/Sys Depnd-G-Valves - KE	TOTAL		\$ 82	
50 50	5507015 5507016	Impr Reib/Sys Depnd-G-Valves - KE Impr Reib/Sys Depnd-G-Valves - Mi	TOTAL		\$ 28 \$ 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 Reib/Sys Depnd-G-Valves - NV	TOTAL		\$ 148 \$ 14	
50 50	5507020 5507021	Impr Reib/Sys Depnd-G-Valves - PN Impr Reib/Sys Depnd-G-Valves - SA	TOTAL		\$ 14 \$ 99	
50	5507021	Impr Reib/Sys Depnd-G-Valves - SF	TOTAL		\$ 400	
50	5507024	Impr Relb/Sys Depnd-G-Valves - SJ	TOTAL		\$ 35	
50	5507025	Impr Relb/Sys Depnd-G-Valves - ST	30762887	R2L REPL VALVES STHP-24. Redacted	\$ 398	\$ 6
50 50	5507025 5507025	Impr Relb/Sys Depnd-G-Valves - ST Impr Relb/Sys Depnd-G-Valves - ST	OTHER TOTAL		\$ 324 \$ 722	
50	5507026	Impr Reib/Sys Depnd-G-Valves - YO	TOTAL		\$ 290	
50	5508123	North Coast Service Replacements	TOTAL		\$ 1	

					0	order Costs
MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Since Inception
						изсернен
50	5509085	HB - Impr Rei / Dep. Gas Svcs	TOTAL		\$ 82	
50	5509100	HB - Impr Relb/Sys Depnd-G-Regs	30767694	R7 RC REBUILD Redacted	\$ 54	\$ 8
50	5509100	HB - Impr Relb/Sys Depnd-G-Regs	OTHER		\$ 258	
50 50	5509100 5509101	HB - Impr Reib/Sys Depnd-G-Regs HB - Impr Reib/Sys Depnd-G-CP Sys	TOTAL		\$ 312 \$ 27	
50	5509102	HB - Impr Relb/Sys Depnd-G-Valves	TOTAL		\$ 21	
50	5509252	Est - Int Est/DesignDist - SCV MWC 50	TOTAL		\$ 80	
50 50	5509277 5710899	Mapping - Other Mapping - SCV MWC 50 Imp Rel / Dep, Gas Svcs - DA	TOTAL		\$ 18 \$ 145	
50	5710902	Imp Rel / Dep, Gas Svcs - FR	TOTAL		\$ 65	
50	5710905	imp Rei / Dep, Gas Svcs - NB	TOTAL		\$ 2	
50	5710910 5710911	Imp Rel / Dep, Gas Svcs - SF Imp Rel / Dep, Gas Svcs - SJ	TOTAL		\$ 13 \$ 5	
50	5712641	Impr Reib/Sys Depnd-G-CP Sys - Mi	TOTAL		\$ 5	
50	5737258	MWC 50 SCV Allocation	TOTAL		-\$ 387	
50	5510176	Econ Stim Imp Rel / Dep G Remote CP SA	TOTAL		\$ 0	
50	5510239 5510240	Econ Stim Impr Rel/Dep G-SA Econ Stim Impr Rel/Dep G-YO	30814788	R2 MODESTO RELIABILITY PHASE 1 - MODESTO	\$ 7 \$ 13	5 '
50	5510240	Econ Stim Impr Rel/Dep G-YO	OTHER	(VE WOODE (O (VEE/ABLEST)) TARGET - WOODE (O	\$0	
50	5510240	Econ Stim Impr Rel/Dep G-YO	TOTAL		\$ 13	
0 TOTAL 52	5500664	Repl Plant Corr G-CC	TOTAL		\$ 24,253 \$ 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 52	5500670 5500672	Repl Plant Corr G-FR Repl Plant Corr G-KE	TOTAL		\$ 0 \$ 0	
52	5500674	Repl Plant Corr G-MI	TOTAL		-\$ 2	
52	5500675	Repl Plant Corr G-NB	TOTAL		\$ 80	
52	5500737 5500738	Repl Plant Corr G - SO Repl Plant Corr G-NV	TOTAL		\$ 0 -\$ 5	
52	5500738	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 52	5500742 5500743	Repl Plant Corr G-SJ Repl Plant Corr G-SI	TOTAL		\$ 52 \$ 2	
52	5500744	Repl Plant Corr G-ST	TOTAL		\$ 1	
52	5500745	Repl Plant Corr G-YO	TOTAL		\$ 3	
52 52	5509104 5509324	HB - Repl Plant Corr G Emerg Resp-G-Dig-Ins - HB	TOTAL		\$ 1 \$ 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 2 TOTAL	5509334	Emerg Resp-G-Dig-Ins - SJ	TOTAL		\$ 366	
2J	5742638	PRESIDIO LNG INJECTION PROJECT, SF	TOTAL		\$ 37	
2J	5742639	SBI Gas Distribution Restoration	TOTAL		\$ 29	
J TOTAL 2K	5510222	Econ Stim HPR Convert Main-CC	TOTAL		\$ 66	
2K	5510222	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 2K	5510233 5510235	Econ Stim HPR Convert Main-SA Econ Stim HPR Convert Main-SJ	TOTAL		\$ 2 \$ 150	
2K	5510238	Econ Stim HPR Convert Main-ST	30840277	R2 CONVERT Redact DFM TO DISTRIBUTION	\$ 130	\$ 1
2K	5510238	Econ Stim HPR Convert Main-ST	OTHER		\$ 7	
2K	5510238	Econ Stim HPR Convert Main-ST Econ Stim HPR Convert Main-YO	TOTAL		\$ 19 \$ 4	
2K	5510259 5510260	Econ Stim HPR Convert Main-YO Econ Stim HPR Convert Distr Reg-CC	TOTAL	-	\$ 4	
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	30676390	R1 Padadad	\$ 48	\$ 19
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	30676310	oci Redacted HPR TO DRS	\$ 49	\$ 66
2K 2K	5510270 5510270	Econ Stim HPR Convert Distr Reg-PN Econ Stim HPR Convert Distr Reg-PN	OTHER TOTAL		\$ 2 \$ 99	
2K	5510270	Econ Stim HPR Convert Distr Reg-PN Econ Stim HPR Convert Distr Reg-SA	TOTAL		\$ 99	
2K	5510273	Econ Stim HPR Convert Distr Reg-SJ	TOTAL		\$ 0	
2K	5510275	Econ Stim HPR Convert Distr Reg- SO	TOTAL		\$ 0	
2K	5510277 5510280	Econ Stim HPR Convert Distr Reg-YO Econ Stim HPR Replacement-DA	TOTAL	-	\$ 1 \$ 133	
2K	5510283	Econ Stim HPR Replacement-FR	TOTAL		\$ 11	
	5510285	Econ Stim HPR Replacement-KE	TOTAL		\$ 1	

MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Inception
2K		Econ Stim HPR Replacement-NV	TOTAL		\$ 9	
2K		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	1				\$ 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 Dist	ribution 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 0&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 Dist	ribution 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 Distr	ibution 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	17	
Construction	Projects that are currently being constructed.	48
Pre-Construction		
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	Bud	get		_				2011 YTD Progress
Work Category	Unit of Measure	Units	В	udget	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 Actua Jui	2011 YTD Progress		
Work Category	Unit of Measure	Units	Е	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	
		······································	Mario Consulta		kozecu	leeenone		Augummana.
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		151A	\$	3,070		\$	890	
DIMP Related Activities			\$	19,500		\$	5,957	
MWC JS Total			\$	19,500	•	\$	5,957	
GT&D Impl Regulatory			\$	367		\$	319	
Change		110000					400000000000000000000000000000000000000	
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.
- 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.

PACIFIC GAS AND ELECTRIC COMPANY STATUS OF CAPITAL PROJECTS

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

Line Nice	Desire A Of St	Order	Denis of Alexan	Planned	Actual	Actual	Forecaste
Line No:	Project Status	Number	Project Name	Construction	Construction Start Date	Construction	Constructi
53	Documentation	30750011	WEST FRESNO GPRP 2010	Start Date	2/2/10	Finish Date 1/21/11	Finish Da
54	Documentation	30680560	G Redacted SPRP	2/19/09	12/23/08	3/8/10	****
55	Documentation	30668852	GPRP Dedacted PHAS	2/17/09	11/5/08	6/29/11	h
56	Construction	30846074	GP Dedacted	4/22/11	4/29/11		7/13
57	Construction	30840277	R2 CONVERT Dedact DFM TO DISTRIBUTION	5/2/11	3/16/11		6/18/2
58	Construction	30835701	GPRP Dedacted	1/5/11	3/4/11		10/28
59	Construction	30829620	M GPRP - CONGO 1 - SF	1/24/11	4/13/11		12/30
60	Construction	30827211	GP RM Redacted	1/18/11	1/8/11		12/29
61	Construction	30823194	M GPRP Redacted	12/17/10	2/17/11		10/21
62	Construction	30821601	R1 E G GPRP Redacted	1/18/11	3/31/11		1/12
63	Construction	30821410	G GPRP Redac	2/22/11	4/6/11		3/27
64	Construction	30820811	OC1 MAIN REINFORC - Redacted	2/24/11	1/26/11		7/2:
65	Construction	30820364	R4 G GPRF Dodact	12/6/10	1/5/11		11/30
66	Construction	30820278	G GPRP Redacted R2L GP Redacted GPRP	12/6/10	3/14/11		6/2
67 68	Construction	30814275 30813057	R2L GP Redacted SPRP G RM REPL MAIN, Redacted	1/3/11	11/23/10		11/10
69	Construction Construction	30813051	GP REPL Dedacted	12/2/10 12/13/10	12/7/10 12/30/10		6/3/ 8/3
70	Construction	30812259	REBUILD Pedacted DR STATION	12/13/10	1/6/11		8/1
71	Construction	30810294	BERKELEY GPRP - PHASE 2: Dodacted	10/18/10	11/1/10		9/3
72	Construction	30810188	REBLD DR MRC-12. Redacted	3/3/11	10/21/10		9/
73	Construction	30808712	Redacted	12/7/10	11/6/10		9/1
74	Construction	30808590	GPRP Dodactod	1/18/11	2/11/11		11/3
75	Construction	30808261	R4E G GPRP Redacted	11/1/10	12/17/10		12/2
76	Construction	30808260	G GPRP Redacted	10/8/10	11/30/10		12/2
77	Construction	30808157	G GPRP Dedacted	1/3/11	11/20/10		12/2
78	Construction	30808140	G GPRP Redacted	10/8/10	11/20/10		11/3
79	Construction	30808096	G GPRP Redacte	10/8/10	10/25/10		12/3
80	Construction	30807977	G GPRP I Dadadad	10/7/10	11/23/10		12/2
81	Construction	30807430	Redacted	12/13/10	4/13/11		11/25/2
82	Construction	30806817	R4E GPRP Redacted	9/29/10	10/25/10		8/12/2
83	Construction	30806814	G GPRP Redact	10/1/10	10/19/10		12/22/
84	Construction	30806806	M027972GPRP OUTER MISSION 2	9/24/10	10/19/10		9/30/
85	Construction	30804511	REPL LP GPRP Redacted	1/3/11	11/30/10		12/30/
86	Construction	30801105	GlDedacte SPRP, SJ	10/8/10	9/21/10		12/30/
87	Construction	30797133	G CAP_REG 118 REBUILD_YOUNTVILLE HOOVER GPRP (2011 CRITICAL PROJECT)	9/22/10	8/19/10		3/22/2
88 89	Construction Construction	30796765 30795703		9/17/10	10/12/10		11/29/2
90	Construction	30787989	INST DUAL DR. STATION Dedacted	1/3/11 8/31/10	2/10/11 8/2/10	***************************************	10/14/: 4/27/:
91	Construction	30785447	GR-UPGRADE R585- Redacted	9/10/10	8/20/10		9/5/
92	Construction	30783042	Redacted	7/16/10	8/27/10		8/31/
93	Construction	30774980	D-S REBUILD DR-56 \ Dedacted	5/31/10	12/8/10		6/17/
94	Construction	30762547	G GREPLACE REG STA R42 Dedacted	4/5/10	10/15/09		1/28/
95	Construction	30755086	ORB-01 Dodactod	8/16/10	2/8/10		9/30/
96	Construction	30755085	ORB-006 Dedacted	5/17/10	2/8/10		7/20/
97	Construction	30749118	GPCAPACITY:6"HP Redacted	5/4/10	12/16/09		10/1/
98	Construction	30746089	PH Redacted BPRP-2010	4/27/10	12/1/09		3/21/
99	Construction	30742231	MERCED PHASE 3 RELIABILITY	4/20/10	11/9/09		6/10/
100	Construction	30741815	A89 Redacted	8/6/10	11/18/09		12/31/
101	Construction	30736194	OC1 GPRP REDWOOD CITY	1/11/10	1/20/10		5/16/
102	Construction	30712896	GP Dedacted	5/21/09	11/24/09		12/31/
103	Construction	30676310	OC Dedacte HPR TO DRS	8/13/09	12/8/08		7.
104	Pre-construction	30833648	Redacted	5/9/11			10/21/
105	Pre-construction	30826697	R4 GD REBUILD DR# Redacte	3/7/11			11/10/
106	Pre-construction	30826696	GD GPRP Redacted	3/11/11			12/29/
107	Pre-construction	30826505	R1 G REBUILD Dodoctod	1/17/11			3/1/
108 109	Pre-construction Pre-construction	30814788 30813671	R2 MODESTO RELIABILITY PHASE 1 - MODESTO REBUILD Redacted	2/14/11			3/16/ 11/30/
110	Pre-construction	30810993	R4_RPL Redacted	1/19/11	~~~~		
111	Pre-construction	30803970	R7 12 REPL U25 REG STA / UKIAH	3/28/11 2/1/11			11/23/ 2/29/
112	Pre-construction	30790929	R2 Redacted	8/17/10			10/7/
113	Pre-construction	30787993	R4 NEW REG STATION - Redacted	9/13/10			11/16/
114	Pre-construction	30784975	RBLD DR D-36, Redacted	12/31/10			7/27/
115	Pre-construction	30767694	R7 RC REBUILD REGULATOR Redacted	8/30/10			10/31/
116	Pre-construction	30761915	≈P RM REPL Redacted	5/25/10			9/23/
117	Pre-construction	30755087	ORB-38 Redacted	7/23/10			5/25/
118	Pre-construction	30753589	R6 GD REBUILD Dedacted	5/10/10			3/30/
119	Pre-construction	30679554	G RM Pedacted	2/3/09			3/30/
120	Pre-construction	30679552	GRM Redacted	1/8/09			10/28/
121	Pre-construction	30676477	R2 INSTALL DRS Redacted	3/23/09			12/30/
122	Pre-construction	30676390	Ri Redacted	5/15/09			9/30/
123	Design	30799615	R4E REBUILD DR MRC-10 Redact	11/29/10			9/28/
124	Design	30741812	R7 C45 Redacted FILTER, RTA	3/15/10			10/31

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

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

Order Number	Project Description	,	Cost 1/2011 to 30/2011)	ı	ostSince nception Ending 5/30/2011
30754768	OC1 G GPRP Redacted	\$	238.81	\$	1,439.37
30754774	OC1 G GPRP	S	334.06	\$	3,242.10
30757362	OC1 G DR STATION Redacted	\$	11.31	\$	261.97
30758821	OC1 INSTLL 400" PL AND ABANDON DR STN 2	\$	277.82	\$	290.23
30759573	OC1 GREPL MAIN Pedacted	\$	489.08	\$	631.37
30759576	OC1 G REPL R-11 Redacted	\$	495.03	\$	820.47
30760327	OC1 REPL 700' OF 2" WITH 2"PL ESPL. PAC	\$	35.66	\$	244.24
30761621	OC1 GREPL 6"STLHP Redacted	\$	122.38	\$	792.74
30762994	OC4 GD CAPACITY Redacted	\$	18.11	\$	521.13
30766290	OC2 2010 INST ANODES (15) FRESNO DIVISN	\$	362.71	\$	434.06
30783043	OC1 Redacted	\$	396.59	\$	457.76
30784111	OC2 CAPACITY INCREASE Redacted	\$	24.70	\$	571.19
30786843	OC1 RH-06-INSTALL DR Redacted	\$	142.00	\$	1,016.08
30789549	OC1 BYRON MAIN EXTENSION - Redacted	S	754.16	\$	806.11
30793853	OC2 REPL. MAIN Redacted	\$	23.58	\$	331.71
30804481	OC1 GPRP Redacted	\$	408.36	\$	408.77
30805155	GP Redacted	\$	183.36	\$	343.61
30807801	oci g gprp Redacted	\$	2,839.06	\$	2,847.79
30815779	OC1 G GPRP Redacted	\$	357.74	\$	488.81
30829626	OC1 E G GPRP Redacted	\$	499.34	\$	500.78

9. Comparability of Actual Costs and Settlement Agreement Allocations Request

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

Response

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

TABLE 9-1
PACIFIC GAS AND ELECTRIC COMPANY
A&G AND TAXES IN EXPENSE
RECORDED PAYROLL TAXES AND BENEFITS BY MWC
(IN THOUSANDS OF 2011 DOLLARS)

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

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

MWC	MWC Description	Capitalized A&G	Total For MWC
14	G Dist Pipeline Repl Program	4,482	60,962
27	Gas Meter Protection - Capital	, and	
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)

		201	1 GRC Fore	cast ¹	2011 A	ctual Throug	gh June	2011	Full Year For	ecast 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
				9/7/7/WB977/28/72 F	747/7 BANKERS 1		Bantiation 1			
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
		\$227777777777					948948 <i>2765</i> 71			
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
							1100107///201	0//tub/sassion	0.000	200000000000000000000000000000000000000
Meter Protection Relocations (MPP)	Services Relocated	76	8,289	630	0		0	40	8,289	332
MWC 27 MPP Total				630			0	174.57.87.587.77.57		332
MWC 52 Emergency Response Total				280			366			656
		357/1929/559/	18878/1979/999			\$205025555555		<u> </u>	1977/09/1997/191	
MWC 2J GT&D Impl Reg Change Total							66			66
		(2.88/28/78/78/78/	(20)20.8977788.8877	1774-775-1877 FEBRES	2522.2722.27	27/2/07/28/03	007557775006	6185782W7419		
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.

 $^{^{\}rm 5}$ 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.

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

<u>MWC 50 – Electronic Pressure Monitoring Program</u>. 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.

<u>MWC 50 – CP Remote Project</u>. 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.

<u>MWC 27 – Meter Protection</u>. 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.

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SB_GT&S_0452813

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.

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SB_GT&S_0452814

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	ę.	Map#	# of Locations on Map	Related Job #	Comments Cause for Discrepancy	O Code	Date Corrected
DA	4/27/2011	Construction	Redacted	T	3349-E6	1 1		UPDATED DIAGRAM	M	5/13/2011
DA	4/27/2011	Construction	Reducted	T	3410-A4	1		UPDATED DIAGRAM	M	5/13/2011
DI	2/10/2011	Estimating		L	45F15	1 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	П	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	М	1/28/2011
MI	1/31/2011	Construction	Redacted	L	23B02	1	30220193	As-built gave wrong measurement for valve	А	2/3/2011
MI	2/16/2011	Mapping		T	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		Map#	# of .ocations or Map	n Related Job #	Comments Cause for Discrepancy	# CCCC	Date Corrected
MI	2/17/2011	Construction	Parkshore, different ETS location	L	20A04	2	<u> </u>	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	Ü	2/17/2011
MI	3/17/2011	Mapping	Redacted	T		1	GM440653-68	Job # on map differed from actual	М	3/17/2011
MI		Construction	reducted	H	25D07 20A06	1	10	Job # Service was posted in 2 locations	M	l
MI	3/18/2011	Construction	one.	Ī	20A06	1		Paperwork not received by Mapping notifying of a service cut-off	U	3/18/2011
MI MI	4/26/2011	Construction Construction		F	29F07 13B14	1	GM4749057-89	 Mapping Discrepancy Mapping Discrepancy	M	4/26/2011 5/19/2011
MI		Mapping	Wrong street names	Т	11015,16	3		Notification of street name changes were not received by Mapping to make the appropriate updates.	U	5/27/2011
PN	1/21/2011	Mapping	Redacted	Т	3279-F3-3	1		This was in the queue to be updated	В	1/21/2011
PN	1/20/2011	Construction		T	3280-J2	8		This was in the queue to be updated	В	1/25/2011
PN	1/28/2011	Construction		1		3		Switched address locations	а	2/1/2011
PN	2/16/2011	Construction			3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	J	3/1/2011
PN	2/10/2011	Construction			3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	J	3/1/2011
PN	4/18/2011	Other Division Personnel		Г	3279-J2	1		Added missing information from Gas Service Record	Α	4/19/2011
PN	4/18/2011	Other Division Personnel			3279-J2	1		This was in the queue to be updated	В	4/19/2011
PN	4/4/2011	Other Division Personnel			3275-17	1		Mapping had yet to receive a completed Job package by the construction department	j	4/19/2011
PN	3/1/2011	Other Division Personnel			3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	J	4/19/2011
PN	7/15/2011	Other Division Personnel			3280-11	4		Verified map correction from construction and subsequently corrected the map	А	4/21/2011
PN	4/28/2011	Estimating	WRONG LOC & ADDRESSES	L	3279-15	2	1	Mapping Discrepancy	М	4/28/2011
PN	4/28/2011	Mapping	UPDATED BLOCK & ST NAME	L	7-D9	15		This was in the queue to be updated	В	4/29/2011
PN	5/20/2011	Construction	Redacted	_	3279-G6	1		No previous Gas Service Record. service was never mapped	U	5/20/2011
PN	5/27/2011	Mapping	CORRECTION DATES WAS MOVED		5-D09, 9B6, 8A2, 9A10	4		Mapping Discrepancy	М	5/27/2011
SA SF	2/1/2011 1/18/2011	Construction	Redacted	IT	2525 17 4-E06	1	-	No Excess Flow Valve Missing Main line Valve	A	2/2/2011 1/18/2011
SF	2/24/2011			В	3-E11			Main was deleted	+	2/24/2011
SF		Compliance		IT	4-F04	1		Mapping Discrepancy	IM	2/24/2011
SF		Estimating	_	Ļ.,	3-E13			Mapping Discrepancy	M	3/17/2011
SF SF	3/22/2011	Planning Planning	_	1	3-E13 3-A16D		-	The service was posted twice Mapping Discrepancy	M	3/22/2011
SF	3/29/2011		-	P	3-A16D		+	Mapping Discrepancy	M	
SF		Planning		Ė	11-F14		·	Valve number was missing	1	3/30/2011
SF	3/30/2011	Planning	1	T	3-F14	1		Mapping Discrepancy	M	3/30/2011
SF	3/30/2011				4-D05		T.	The service was never labeled		3/30/2011
SF SF	3/30/2011	Planning	-	r	4-D06 3-E15	1 1		Too many unnecessary lines Mapping records do not indicate why a low pressure valve is recorded in	H	3/30/2011 3/30/2011
SF	3/31/2011	Planning		_	4-C03	1		the HP valve book. Mapping Discrepancy	M	4/1/2011
SF	4/6/2011	Planning		T		1		Removed valve number, unmaintained valve should be un-	М	4/6/2011
\$F	4/7/2011	Planning	-	L	4-B02B 4-E04A	7	<u> </u>	numbered. Mapping Discrepancy	M	4/7/2011
SF	4/8/2011	Planning		Т	3-A13C	1		Removed valve number, unmaintained valve should be un- numbered.	М	4/8/2011
SF		Planning		I	3-F 15B		 	Service was never updated in 1972.	Ħ	4/8/2011
SF	4/12/2011	Planning			4-E04D	1		Main was replaced in 1987 but never updated.	М	4/12/2011
SF		Planning	Various Locations	I	Various	15	I	Wrong valve symbol	M	5/2/2011
SF	5/3/2011	Planning	Redacted		4-E01	1	Į	Service was posted incorrectly.	M	5/3/2011
SF SF	5/3/2011	Planning Planning		ļ.,	4-E05A	1	ļ	Removed cut & cap symbols.	M	5/3/2011
SF	5/16/2011 6/6/2011		Various Locations Various Locations	+	Various Various	12		Wrong valve symbol Wrong valve symbol	M	5/16/2011 6/6/2011
SF SI	1/12/2011	Planning Construction	Redacted	-	2102-G1	4 1	***************************************	Service found in field	J	1/13/2011
SI	2/10/2011	Construction		2000	2102-G1 2215-C8	1		service no longer exists	U	4/2/2011
	3/8/2011	Construction	1		2154-D6	2	30832971	Corrected Main dimentions	U	3/15/2011
Sí	4/14/2011	Construction		I	2214-A3	1		Wrong Location on map		4/15/2011
SI	1/12/2011	Construction		E	3410-f8	1		added m-2 to plat		1/13/2011
S) SJ					3413-E6			add EM		3/22/2011
SJ SJ	3/22/2011				10000 04		1	add EM	17	3/9/2011
S) SJ				onne	3352-G4				openio,	
21 21 21 21 21 21	3/22/2011 3/9/2011 3/9/2011				3351-E5			Show valve-V4 & V3		3/9/2011
21 21 21 21 21 21	3/22/2011 3/9/2011 3/9/2011 3/11/2011		000 000 000 000		3351-E5 3414-F2			Show valve-V4 & V3 show valve-14-F2C & D		3/9/2011 3/11/2011
21 21 21 21 21	3/22/2011 3/9/2011 3/9/2011	Planning			3351-E5	1 2		Show valve-V4 & V3	IM	L

Legend to Table 13B-1:

Discrepancy Code (D-Code):

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

Root Cause Code (C-Code):

A	As-built not accurate
	Completed job not received by Mapping
8	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.

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

MWG	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/s	S 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
- I) 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:

- ffi Table 17-1 lists all projects with applicable project details.
- ffi Table 17-2 describes the history of plastic pipe and plastic pipe dimensions.
- ffi Table 17-3 describes the steel pipe dimensions.

- 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.
- 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.
- Table 17-1, Column 17I 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.

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TABLE 17:1 JPIC GAS AND ELECTRIC COMPAN

Effect to Other Operations	Convertram MAOP 10.5 in se to 60 pag ay elem	No argmitteent change.	No significant change to significant change	Convertiron MAOP 10.5 in ye to 60 ps g system	Convertinam MAOP 10.5 in we to 60 ps g systlem	Convest 275 MAOP 10 Sin viol 10 56 pag system and 3480' with no againteent change.	APD Ammum pressure Increase from 9 psig to 13 psig	APD Represents increase from 4° we to 6.5° wc	No significant change	Increased separation Add MCFL, APO Minhoun presence ?	No significant change	No significant change	No significant change.	No significant change.	No significant change	Convert 2289 MAOP 10.5 In wic to 60 paig aystem and 1636 with no significant change	ConvertMADP 10.5 m vic as 60 psig system. Torkida new regulatiem stefano.	ve significant change	Convert P to Rayong Remove	No significant change	No significant change	No significant change.	Convertirem MAOP 10 5 in we to 60 grap ay idem	Connext from MACP 10.5 in wit to 60 ps ip sy distri	Convert 5970* wAOP 10 5 in wor to 60psig ays lenn and 470 with no significant change	APD Minimum pressure from 1 mig to 15 pag	TBD Project is in design
Effect att Sandor	100 Services	36 Barrines A	34 Sevices A 20 Sevices A	239 Services	46 Services	85 Sarvess N	No affect	No offeol	No effect h	500 Services A	No effect h	18 Sentions h	24 Services h	No effect N	73 Services A	106 Sammes in	108 Sarvaces	7 Sewices h	133 Services	27 Services h	92 Sevices	33 Sevices h	142 Services of	150 Sammes	ZGE Sammes	No offect	72 Salvicas T
Pipe Dimension Vite The traces	Rider to All softward 17.7.	Refer to Attachment 17.2	Refer to Attachment 17.2 Refer to Attachment 17.2	Rafer to Attachment 17.2	Refer to Attachment 12.2	Refer to adjectment 17.2	Refer to Attachmant 17.2	Rater to Attachmant 17.2	ritis odo	Refer to All settment 17.2	da	Refer to Attachment 17.2	Rater to Atlantonard 17.2	60	Refer to Attachment 17.2	Refer to Attachment 17.2	Rader to Att serbnastr 17.2	Refer to Absolvment 17.2	Rafer lo Allestmont (7,2 Rafer lo Allestmont (7,3	Refer to Adjactmonth 17.2	Refer to Attactment 17.2	Refer to Attachment 17.2	Refer to Athentonent 17.2	Refer to Attentioned 17.2	Refer to Attachment 17.2 Refer to Attachment 17.3	Refer to Attachment 17.2	Refer to All achine in 17.2
Pipeline Denominations Fruitage and Distration	4074' of 2" Phasis: 38' of 3" Plants 78' of 1.25" Plants	2194' of 2" Plasts	1757 of 2 Pasts 1125 of 2 Pasts	4055 of 2" Paysic	2432' of 4" Plastic 1480' of 0" Plastic	25.39 of 2, 4" and 0" Pleatic	1050 of 6" Plastic	1540' of 8" Plastic	8 2	17903's of 8' Plasts	oke over	390' of 2" Plastic 550' of 4" Plastic	400° of 1° Plastic 1260° of 2° Plastic 2500° of 4° Plastic	38	S100' of 4" Plants	240' of 7 Pisebs 2028' of 7 Pisebs 1259' of 4" Pisebs	SHT of Pinate 485 of Plazte Uprae 172 of 125 Plazie Uprae 305 of Plate Uprae 265 of Plate	2811 of 8" Playing	5 of 1.25 Steel 6 of 2 Steel 45 of 2 Steel 55 of 7 Steel 89 d.4 Plage	150° of 1.25° Plastic 1578° of 2° Plastic	361 of 4" Pasts: 1754" of 8" Plants:	3943° of 4° Plante:	44211 of 2" Plastic	1779' of 2" Piss to. 588' of 8" Plastic	3501' of Z Pissip 108' of 4' Playlo 84' of 4' Steel 887' of 6' Playlo	2350° of 4" Planto	630° of 4° Plastic 630° of 4° Plastic
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Wess Executation Constitute as if Vignalian Discensions Discensions	2515 of 4" Cast Iron 210" of 7" Steel 1150" of 7" Steel	eai	2134 of 2 Steel Pepatra Rod Program 1050 of 2 Steel Pepatra Rod Program	ast Iron	3407 of P Cast from Pentins Rem Program 1407 of P Cast from	2008 of #Cast lifen 1427 of #Cast lifen 278 of #Stost	n/s Cappally	h/s Caporify	New Relatedity Contexts	olo Caronicky		SOF of 2 Steel Raisbilly General	-	T	4110' of 4" Cast from Piperine Rapi Program 1111' of 6" Cast from	1750 of 3" Steps 300" of 3" Steps 1932 of 6" Wraught fron	Land of a good o	4,271 of 3" Unknown Materia Redability General		rif from	637 of 4" Cast Inn. 417 of 5" Cast Inn. Pipelina Papil Program. 44.5" of 5" Cast Inn.		1345 for 4" Cael from 185 of 4" Steel 705 of 9 seel	e unu	5.5	П	out of at later from Pipains Regil Program and at laser
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JABLE 174 JAIC GAS AND ELECTRIC COMPANY

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Effect of Service	107 Services	56 Services	22 Sevices 3 Sevices	20 SBN 1283	No offers	36 Services	199 Setures	150 Services	130 Services	102 Services	186 Services	234 Services	113 Salvices	146 Services	106 Bennses	214 Services	105 SetHicos	25 SBN 1083	26 Services	No sfeet	54 Services	39 Services	No effect	No effect	No effect	No office	No eneci	10 Seyices
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171	Start Foot 1914-1022 Total foot Cast Into 1914-1022 Total Foot Start Into 102 of 2 Sta	Case Pipeline Replacement Program (Steel 1030-1640) (1937-of 9' Steel	Paliability Man Replacement Steel Paliability Man Replacement (9 ea)	Cent Mon 1914 (252) of 10° Constition (Cent Mon 1914 (252) of 10° Constition (Cent Mon 1915 (252) of 2° Playlor (Seed 110°SE 1989 (252) (252) of 2° Steed (2	We	Castiros 1914-1919 2507 of thr Cast Iron	Agg of Fragilion Agg of Fragilion Steel 1995, 1873 1295 (Nec) 4 8° Cast licen Steel 1995, 1873 1295 (Nec) 4 8° Cast licen Player, 1995 137 (Nec) 4 8° Cast licen Player, 1995 137 (Nec) 4 8° Steel	1932 of ** Coat from Coat from Coat from 1935 of ** Coat from Steel 1932; 1959 of ** Coat from 1950 of ** Coat fro	Cae i Fron 1915-1927 33410* of # Caral Ron Steel 5131 - 1916 100 of Z* Plante Plante: 1990, 2010 100 of Z* Plante Plante: 1990, 2010 2003 of 4" Steel	14 0 of Cast Inn gree 1953-1997 1910 of 17 Cast Inn Cast Inn Unknown 1990 of 17 Cast Inn 1990 of 17 Cast Inn	See 1931 1937 640 of Cost Iron See 1931 1939 640 of 7 Pental Novoquin no 1928 150 of 7 See 1980 150 of	Cest from 1012-1015 42002" of 4" Cast from Steel 1014-1938 1318" of 6" Steel	Cast from 1013-1916 103/9 of # Cast from Stein 1956 90 of # Cast from 90 of # Stein 1950 0 of # Stein	Caech tron 1921 - 1927 1469" of 4" Cast Iron Sheel 1921 - 1968 3860" of 4" Steel	1859 for "Cest from 1929 255 of "Cest from 1859 of 8" Cest from 1859 of 8" Seet from 1859 of	1859' d' f' Cast l'an Cast l'an 1924, 1937 2789' d' f' Cast l'an 2122' d' f' Sast l'an 2122' d' f' Sast	Cast fon 1919-1928 15937 of 4" Cast from Stell 1922 1570" of 4" Cast from 1169" of 4" Stest	Steel 1924-1930 1775' of 3' Bleel Wrought Iren 1927 40' of 3' Wrought Iron	Steel 1339-1940 1240' of 2' Steel	nd a pola	Cata Pipatrie Préparament Program State (1974-195) 1900, d. P. Salesi Pipatrie Pagi Program	Steel 1925-1929 245 of 2° Steel	N-3 N-3	Bodinalify (yea) (view	pis ole	10.2 M.ts	20 00 00 00 00 00 00 00 00 00 00 00 00 0	Wrought from 1927 408 of 12" Sleel Steel 1927 724 of 8" Wrought from
Tight Tigh	Cast Popume Represented Program State 1100-1902 (1900 4 "Cacation Cast Popume	Case Pipeline Replacement Program (Steel 1030-1640) (1937-of 9' Steel	Paliability Man Replacement Steel Paliability Man Replacement (9 ea)	Cent Mon 1914 (252) of 10° Constition (Cent Mon 1914 (252) of 10° Constition (Cent Mon 1915 (252) of 2° Playlor (Seed 110°SE 1989 (252) (252) of 2° Steed (2	We	Castiros 1914-1919 2507 of thr Cast Iron	Agg of Fragilion Agg of Fragilion Steel 1995, 1873 1295 (Nec) 4 8° Cast licen Steel 1995, 1873 1295 (Nec) 4 8° Cast licen Player, 1995 137 (Nec) 4 8° Cast licen Player, 1995 137 (Nec) 4 8° Steel	1932 of ** Coat from Coat from Coat from 1935 of ** Coat from Steel 1932; 1959 of ** Coat from 1950 of ** Coat fro	Cae i Fron 1915-1927 33410* of # Caral Ron Steel 5131 - 1916 100 of Z* Plante Plante: 1990, 2010 100 of Z* Plante Plante: 1990, 2010 2003 of 4" Steel	14 0 of Cast Inn gree 1953-1997 1910 of 17 Cast Inn Cast Inn Unknown 1990 of 17 Cast Inn 1990 of 17 Cast Inn	See 1931 1937 640 of Cost Iron See 1931 1939 640 of 7 Pental Novoquin no 1928 150 of 7 See 1980 150 of	Cest from 1012-1015 42002" of 4" Cast from Steel 1014-1938 1318" of 6" Steel	Cast from 1013-1916 103/9 of # Cast from Stein 1956 90 of # Cast from 90 of # Stein 1950 0 of # Stein	Caech tron 1921 - 1927 1469" of 4" Cast Iron Sheel 1921 - 1968 3860" of 4" Steel	1859 for "Cest from 1929 255 of "Cest from 1859 of 8" Cest from 1859 of 8" Seet from 1859 of	1859' d' f' Cast l'an Cast l'an 1924, 1937 2789' d' f' Cast l'an 2122' d' f' Sast l'an 2122' d' f' Sast	Cast fon 1919-1928 15937 of 4" Cast from Stell 1922 1570" of 4" Cast from 1169" of 4" Stest	Steel 1924-1930 1775' of 3' Bleel Wrought Iren 1927 40' of 3' Wrought Iron	Steel 1339-1940 1240' of 2' Steel	nd a pola	Styber 15 Styles Styber 19 Styles Styber 19 Styles Styber 19 Styber 19 Styles Styber Styles S	Steel 1925-1929 245 of 2° Steel	N-3 N-3	Bodinalify (yea) (view	Relacific Regulator Status ement of a	Reliability Regulated States Registranter 1959	20 00 00 00 00 00 00 00 00 00 00 00 00 0	Gas Pipeline Replacement Program (See) 1927 (2018) 1728 (see)
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TABLE 17:1

JEIC GAS AND ELECTRIC COMPANY

DECIT PROCEDETIONS

Profession Strates		on nto: Draw Numbe	Project Name		Work Description	World Department	Patrase sacration	Picotine this alter zoo Plats	Minister of Pipeline	Manufacture of	Seambles or Mat DP	Operating (See 17) Page (See 17)	Pipoline Dimensions. Footsay and Demoks	Pipe Danonslam Visit The Notes	Effect all Effe	Effect on Other Operations
		orien		World Description	transfer control	Dimensions		Location (CIP) or Facility	Segment Bissurfacturer Codes	ä	Non-scelbinse	000 140)				
Construction	9		re-	New Capacily Maninsisti Emorsement	8.4	2.2	Capacity	Re			99	50 PSG 4000				APD Minimm Pressure Increase from 12 psig to 30 psig
Construction	9	3074608		Gas Apeine Replacement Program	Wrought Iron 1931	nght Inon	Pipeline Rept Program	da			8	52 PSIG 1789		_		No significant change
Construction	8	3074223		Reliebthy Mam Replacement	Gest 1833-1939	sterior 21 Shear USI of 41 Shear	Relability Ceneral	ict			90	50 PSIG 970°c		-		No significant change.
Construction	VES	3074161		Relability Regulator Station Regiscomers	ola n	y/a	Relatelity General	ec			30	20 PSIG INF	ola			No significant change.
Construction	ON.	3073916		Gas Pipeline Replexement Propram	Steel 1924-1936	1990' of 2" Steal	Pipaina Repl Program	1			75	30 PSG 2020				No significant change
Construction	08	3071289.		Reliability Regulator Bliston Replacement	ole n	1,8	Relability General				99	47 PSIG 199	E(c)		Г	No argeritosest change
Construction	ON.	3067631		Reliability Regulator Station Replacement	e e e		Relability Conesal				34	30 PSIG mis		Z		Uprate from MAOP 34 psig to MAOP 60 psig
Pre-construction	ON	3003064		Reliability Main Replacement	Steat 1968 Partis 2003		Rehability Connectal				09	50 PSG 3845			_	No significant change
Pre-construction	UN NO	3082689		New Capacity Regulator Station	n/a n	728	Capacity				98	40 PSIG mis	N/S			Ve stprificant change.
Pre-construction	n No	3082669		Gas Ppdine Replepement Program	Steel 1929-1936		Pipatria Repl Program				99	47 PSG 1115				No significant change.
Pre-construction	u No	3082650		Rebability Regulator Station Replacement	eg.	28	Relability General				8	57 PBG 168	0.50			No significant change.
Pre-construction	Q.	3081478	-	Relabibly Man Replacement	Steet 1930	785 of 2" Steel 385 of 4" Steel 342 of 6" Steel	Relatelly Centeral				88	50 PWG DBF-				Me significant change
Pre-construction	ON E	3081362		New Capacity Regulator Station	nia	via:	Capacity				8	57 PSG n/a	(V)			APD Rimmin preseure increase from 0 tof 4 pag
Pre-construction	ON N	3061099.	I -	Renability Man Replacement	Steel 1926-1951		Reliability General				99	47 PSIG 1551*		T-		No significant change
Pre-construction	ON U	3080397.		Reliability Regulator Station Replacement	uga u		Reliability General				08	50 P81G mia	Iris			Ne significant change.
Pre-construction	ON NO	3079002		New Capacity Marn Install/ Enforcement	9 sel 1002-1013	7477' of 2" Steet 18" of 4" Steet	Capacity				09	55 PSC 2025				APID Minmum pressure incress a from 9 psig bit 42 psig
Т		3078798.		Reliability Regulation Statem Replacement	uja u		Ralability Ceneral				- 20	47 PSIG Into	Dig.		П	No significant change.
		3078497.		Relability Regulater Staten Replacement	nia n		Sutability General				09	5G PSIG Inia	nin nin		П	No algoriteant change.
		3078769		Reliability Regulator Station Replacement	ole n		Retability General			_	40	35 PSG nia	193			No significant change.
Pre-construction		3078191		Relateby Main Replacement	Steel 1982 3		Relability General				23			П		No significant change.
Pre-construction	92	3075508.		Rollacethy Regulator Station Stockersant	1943	62 %	Relability General				09	56 PRG 048	E(c)			No significant change
1		3075058		Relability Regulator Statzon Regiscerners	Ī		Relability Coneral				07	1=				Ne significant change
H	L	3087855		Reliability Main Replacement		723 of 4" Steel	Relability General				98	P		H		No significant change
Pre-construction		3087955.		Pollabifity Main Replacement	Stell 1935-1940	178 of 2" Steel	Relability General				25	23 PSIG 2471		1	-	No significant change
Pre-construction	9	3087847.		New Capacity Regulator Bishon	8,0	VB	Capacity				15	27 PSG 168	op.			APD Minmum pressure norcess from 10 psig to 19 nated
Pre-construction		3087639,	T.	Out HPR Ray Sta Conn Def Reg	n/a		Rapi Cenneri Oust HPR				15	47 PSIG Inio	ricia		T	No significant change
Design	GN	3079981		Relability Regulator Station Replacement	168		Relabilith General				24	51 PSIG 098	ode		Ĩ	do significant change.
Design	488	3074181.		Reliability Regulator Station Replacement	0,0	væ	Relability Conerati				08	50 PSG Na	9,0			No significant change.
		Construction Construction Construction Construction Construction Construction Construction Construction Construction Pre-construction Pre-cons	Construction No	Continuition Automated A	Construction	Constitution No	Conditioning NO. STOCKERS Contraction NO. STOCKERS NO. NO.	Contribution No. 2016/2016 No. 2016/20	Controllation Controllatio		Controllering Controllerin	Controllation Controllatio		Part Part	Controlled Con	Part Part

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

	:	Manufacti	urers and Brands	
Manufacturer/Brand	From	То	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 av	ailable info	mation and may be a	oproximate.

PLASTIC PIPE DIMENSIONS

	NO CONTRACTOR OF	Dimensions ar	nd Tolerance	S	
Nominal Size (inches)	SDR	Outside Diameter (inches)	Outside Diameter Tolerance (inches)	Minimum Wall Thickness (inches)	Wall Thickness Tolerance (inches)
1/4 CTS	6	0.375	±0.004	0.062	+0.006
½ CTS	7	0.625	±0.004	0.090	+0.009
1 CTS	11.5	1.125	±0.005	0.099	+0.012
1-1/4 IPS	10	1.660	±0.005	0.166	+0.020
2 IPS	11	2.375	±0.006	0.216	+0.026
3 IPS	11.5	3.500	±0.008	0.304	+0.036
4 IPS	13.5	4.500	±0.009	0.333	+0.040
4 IPS 1	11.5	4.500	±0.009	0.391	+0.047
6 IPS	13.5	6.625	±0.011	0.491	+0.059
6 IPS 1	11.5	6.625	±0.011	0.576	+0.069
8 IPS	13.5	8.625	±0.013	0.639	+0.077

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

Prepared by: JZB1



CODE NUMBERS FOR STEEL PIPE

A-15

Asset Type: Gas Transmission and Distribution Function: Design

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

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

This document also appears in the following manual:

фф 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
0/4	4.050	0.113	В	SMLS	011574	010067	ren.	***
3/4	1.050	0.154	В	SMLS	011951	011036	IMA	
4	4.045	0.133	В	SMLS	011575	ex.	HMA	
1	1.315	0.179	В	SMLS	011935	w	IBA	
1-1/4	1.660	0.140	В	SMLS	011576	010163	res.	
2	2.375	0.154	В	SMLS	011578	010147	HMA	
3	3.500	0.216	В	SMLS	011692	010178	we.	-
Λ.	4 500	0.188	X42	ERW	010941		010914	
4	4.500	0.237	В	SMLS	011693	mx.	010364	010716
6	0.005	0.188	X52	ERW	011004	ex.	010944	
6	6.625	0.280	В	SMLS	011688	mx .	010014	010844
		0.188	X52	ERW	010717		010718	010795
8	8.625	0.250	X42	ERW	010237	mx .	010838	010848
		0.322	В	SMLS	011689	ex.	010029	010849
40	40.750	0.250	X52	ERW	010797	ex.	010798	010803
10	10.750	0.365	В	SMLS	011804	ex.	010034	010851
40	40.750	0.281	X52	ERW	010806	ex.	010935	010939
12	12.750	0.375	В	SMLS	011948	ex.	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	NE.	010038	010854
10	10.000	0.375	В	SMLS	011819	ma.	010039	010855
20	20.000	0.375	X60	ERW	010898	HM.	wa.	THE.
0.4	04.000	0.375	X60	DSAW	010901	HM.	010790	010903
24	24.000	0.500	X60	DSAW	010052	ma.	010057	010863
0.0	00.000	0.375	X60	DSAW	010864	esc.	010866	010867
26	26.000	0.500	X60	DSAW	010904	NA.	010905	010908
0.0	00.000	0.375 1	X60	DSAW	010722	enc.	010767	010868
30	30.000	0.500	X60	DSAW	010500	en.	010869	010871
34	34.000	0.505	X60	DSAW	010889	EM.	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.

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SB_GT&S_0452834

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

							GAS II	VSPECTIO	ON RESULTS: Janua	ary 01, 20	11 - June 30, 2011	1									
DIVISION	DISTRICT	ADDRESS STREET CITY	REPORT DATE		SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT YN	FEET EXPOSED	MATERIAL	LINE SIZE	COATING TYPE	COATING CONO	CIRCUM WELD COND	EXTERNAL GOUGING		COATING REPAIRED VIN	SUPPORT COND	GOUGING Y/N	DISCOLOR Y/N	CRACKING Y/N	TEECAP CRACK Y/N
Fresno	Fresno	70	1/3/11	1 7	HP (<≃60psig)			5.00	Steel	0.75	Single wrap	Good		None							1
Kern	Kern	Redacted	1/3/11	R _e	HP (<=60psig)	1979	n	2.00	PE 2406 (Orange)	0.50								n	n	n	
North Coast	Arcala	믔	1/4/11	<u> </u>	HP (<=60psig)	1972	n														
Fresno	Fresno	ច្ច	1/5/11		HP (<=60psig)	4000		5.00	Steel	2.00	Hot Applied Asphall	Good		None	n		Good				-
North Coast Fresno	Uklah Fresno	ਰ	1/5/11	C C C C	HP (<=60psig) HP (<=60psig)	1992	n	1.00 96.00	PE 2406 (Orange) Steel	2.00		Good		None				n	n	n	n
Fresno	Fresno	Ф	1/7/11		HP (<=60psig)			5.00	PE 2406 (Orange)	3.00		Good		14076				n	n		n
Kern	Kern		1/7/11	1	HP (<=60psig)	1939		4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	У	У					
Fresno	Fresno		1/8/11	1	HP (<=60psig)			4.00	PE 2406 (Orange)	0.50									n	n	n
North Coast	Eureka		1/8/11		HP (<≃60psig)	1947	У	4.00	Steel	3,00	Somastic	Good		None	n						
North Bay Fresno	Napa Fresno		1/10/11		HP (<=60psig) HP (<=60psig)	1964	У	8.00 1.00	Steel Steel	0.75 0.75	Other Hot Applied Asphalt	Good		None None	y n	у	Good				
Fresno	Fresno		1/10/11	1	HP (<=60psig)			1.00	PE 2406/2708 (Yellow)	1.00	ттос хүрлгаа хэртааг	Good		None	n		Good				+
Kern	Kern		1/10/11	1	HP (<=60psig)	1963		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n	n					†
Kern	Kern		1/10/11	1	HP (<=60psig)	1981	У	3.00	Sleel	0.75	Double wrap	Good		None	У	У					
North Coast	Arcala Likiah		1/10/11		HP (<=60psig)	1949		4.00	Steel	2.00 0.50	Somastic	Good		None	n	n			n	n	
North Coast Fresno	Uklah Fresno		1/11/11	-	SHP (<=25psig) HP (<=60psig)	1971	n	3.00	Aldyl A PE 2406/2708 (Yellow)	0.50								n	n	n	+
Fresno	Fresno		1/11/11	1	HP (<=60psig)	 			PE 2406/2708 (Yellow)	1.00		-		None				-			+
Fresno	Fresno		1/11/11	1	HP (<=60psig)	1			Steel	0.75				· · · · · · · · · · · · · · · · · · ·							†
Fresno	Fresno		1/11/11]	HP (<=60psig)			4.00	Steel	4.00	Hot Applied Asphalt			None	n						
Fresno	Fresno		1/11/11		HP (<=60psig)	4000		7.00	Steel	3,00	Hot Applied Asphalt	Fair		None							-
Kern North Valley	Kern Redding		1/11/11	1	HP (<≃60psig) HP (<≃60psig)	1986 1967	n	3,00 5,00	PE 2406 (Orange) Steel	1.25 0.75	Double wrap	Good		None				n	n	n	+
San Jose	San Jose		1/12/11	1	(ii (v=oopaig)	1962		3.00	Steel	0.70	Double map	3000		14000							+
Fresno	Fresno		1/12/11	1	HP (<=60psig)			3.00	PE 2406 (Orange)	1.00				l				n	n	n	n
Fresno	Fresno		1/12/11	1	HP (<=60psig)																
Fresno	Fresno		1/12/11		HP (<=60psig)	1010		7.00	Sleel	3.00	Single wrap	Fair	Acceptable	None	n						-
Kern Fresno	Kern Fresno		1/12/11	-	HP (<=60psig) HP (<=60psig)	1949	У	3.00	Steel PE 2406/2708 (Yellow)	0.75 1.00	Hot Applied Asphalt	Good	Acceptable	None	y n	У	Good Good	-			
Fresno	Fresno		1/13/11	1	HP (<=00psig)				Copper	1.00	Double wrap	Excellent		None	- "		Guuu	n	n	n	n
Kern	Kem		1/13/11	1	LP (<=10,5'Wc)	-		8.00	Steel	4.00	Hot Applied Asphall	Poor		None	У	у					
Kem	Kem		1/13/11	1	LP (<=10.5'\vc)			4.00	PE 2406 (Orange)	4.00								n	n	n	n
North Coast Kern	Ukiah Kem		1/14/11		HP (<≃60psig)	1967	У	6.00	Steel	2.00	Other	Excellent		None	n	n					
Diablo	Diablo		1/14/11	-	HP (<=60psig)	1998	n	2.00	PE 2406 (Orange)	1.00		-						n	n	n	
Diablo	Diablo		1/14/11	1		-		4.00	Steel	2.00	Other	Good	-	None	n						+
Diablo	Diablo		1/14/11	1	HP (<=60psig)	1979	У	4.00	Sleel	2.00	Other	Good		None	n						
Fresno	Fresno		1/15/11]	HP (<=60psig)			3.00	Steel	2.00											
San Jose	San Jose		1/18/11					5.00	Steel	4.00	Hot Applied Asphalt	Good		None	n	n					
Fresno	Fresno		1/18/11	1	HP (<≈60psig)		У	4.00	Capper	0.50	Hot Applied Asphalt	Good		None	·	y	Good				
Fresno	Fresno		1/18/11	1	HP (<=60psig)				PE 2406/2708 (Yellow)			Good			n						
Kern	Kern		1/18/11		HP (<=60psig)	1966	У	5.00	Steel	3.00	Hot Applied Asphalt	Good		None							
Kern	Kern		1/18/11		HP (<=60psig)	1966	У	4.00	Steel	3.00	Hof Applied Asphalt	Good		None	n	n					
Kern	Kern Kern		1/18/11	1	HP (<=60psig) HP (<=60psig)	1966	У	5.00 4.00	Steel Steel	3.00	Hot Applied Asphalt	Good		None	n	n		-			+
Fresno	Fresno		1/18/11	1	HP (<≃60psig)	1	у	4.00	Copper	0.50	Hot Applied Asphalt	Good		None	У	у	Good				†
North Coast	Ukiah		1/19/11]	SHP (<≃25psig)	1967	y	5.00	Steel	6.00	Hot Applied Asphalt	Good	Acceptable	None	n	n					
Fresno	Fresno		1/19/11		HP (<=60psig)	-	À	4.00	Steel	0.75	Hot Applied Asphalt	Good		None	У	У					-
Fresno Fresno	Fresno Fresno		1/19/11	1	HP (<=60psig) HP (<=60psig)			5.00 7.00	Wrought Iron Steel	0.75 3.00	Hot Applied Asphalt Single wrap	Excellent		None None	0						+
Fresno	Fresno		1/19/11	1	HP (<=60psig)		- v	1.00	Sleel	2.00	Other	Excellent		None							+
Kern	Kern		1/19/11	1	HP (<=60psig)	1961	y y	1.00	Sleel	2.00	Hot Applied Asphalt	Good	Acceptable	None	У	у	Good				<u> </u>
Kern	Kem		1/19/11]	HP (<=60psig)	1958	У	3.00	Sleel	2.00	Double wrap	Good		None	n	n					
North Valley	Redding		1/19/11		HP (<=60psig)	1985	У	6.00	Steel	0.75	Double wrap	Good		None							-
North Valley Fresno	Redding Fresno		1/19/11	1	HP (<=60psig) HP (<=60psig)	1964	У	2.00 4.00	Steel Steel	0.75 0.75	Double wrap Somastic	Good Excellent		None None	V	y		-			
Fresno	Presno		1/20/11	1	HP (<=60psig)			9.00	Sidel	0.70	Sumanu	CACCHOIN		14000	, ,	,		-			+
Fresno	Fresno		1/20/11	1	HP (<=60psig)			7.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						
Kern	Kern		1/20/11]		1958		3.00	Steel	2.00	Double wrap	Good	Acceptable	None	У	У	Good				
Stockton	Delta		1/21/11		HP (<=60psig)	1948	У	5,00	Steel	2.00	Commedia	Const		News							-
Fresno Kern	Fresno Kem		1/21/11	1	HP (<≃60psig)	1958		6.00 2.00	Steel Steel	1.00	Somastic Double wrap	Good	Acceptable	None None	У	У					+
Kem	Kern		1/21/11	1	SHP (<=25psig)	1951	y v	3.00	Sleel	2.00	Hot Applied Asphalt	Good	orrogenustic	None	V	γ					+
Fresno	Fresno		1/22/11	1	HP (<≃60psig)			6.00	Steel	2.00	Hot Applied Asphalt	Good		None	y	ý					1
Fresno	Fresno		1/22/11]	HP (<=60psig)			8.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno		1/22/11	L	HP (<=60psig)	L	L	8.00	PE 2406/2708 (Yellow)	2.00									n	n	

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

March Marc								GAS IN	NSPECTIO	ON RESULTS: Janua	ary 01, 20	11 - June 30, 2011										
Triving Triv	DIVISION	DISTRICT			PLAT BLOCK					MATERIAL	LINE SIZE	COATING TYPE				DAMAGED	REPAIRED					TEECAP CRACK Y/N
Triving	Fresno	Fresno	70	22/11	∇	HP (<≈80nsin)	600000000000000000000000000000000000000		10.00	PF 2406/2708 (Vellmo)	4.00								n	0	n	n
Triving			œ 🗔		0	70 (100-13)						Hot Applied Asphalt	Fair		None	n	n			·	·	
Team	Fresno		0 1		믮					Sleel			Fair	Acceptable		n						1
Team	Fresno	Fresno	7		កា	HP (<≃60psig)			2.00	Sleel	4.00	Other	Good		None							
Team	Fresno	Fresno	1		(전 I	HP (<=60psig)						Other	Good			n			n	n	n	
Figure F			<u>Ω</u> [<i>0</i> .		ا ت																	
February						HP (<=60psig)	1983												n		n	n
Figure F						- (m												Good				
Training									5.00			Single wrap		ļ	None							
Train					- 1				3.00				(3000							-		
From	1.100110	1.100110			ŀ							Hot Applied Asphalt	Excellent		None	n				-		+
Prince P	Fresno	Fresno						¥	4.00			Hot Applied Asphalt	Fair		None	n		Good				1
Person P	Fresno	Fresno	1/3	26/11								Single wrap	Fair	Acceptable	None	n						
Control Cont	Fresno	Fresno				HP (<≃60psig)						Bare/None			None							
Part						HP (<=60psig)						Hot Applied Asphalt	Fair		None			Good				
France F					[1
Ferror					Į.		1955	у	2.00	Sleel	2.00	Double wrap	Good	Acceptable	None			Good				-
Ferror					Į.				6.00	Chad	4.00	Uni Applied April -4	Cand						-			-
Ferrison					Į.										None	13	У		-	-		-
Freston Fres					ŀ				0.00			Single mad			(4006	n			-			+
Price Pric					ŀ				4.00			Hot Applied Asphalt			None							1
Non-Count Chigh Cream																						+
Freedown Freedown Taylor Ta							1956	У						Acceptable		n	У	Good				1
Presence	Fresno	Fresno	1/.	28/11		HP (<=60psig)				Steel		Hot Applied Asphalt	Good		None	n		Good				
Freston Fres								У				Somastic	Excellent		None	n						
Frestrat							1973	n	3.00										n	n	n	
Freston 12411																						
Neth Coast United									5.00			Single wrap			None							
Freston Fres							1072		1.00				6000			n	n					
Freston Fres					- 1		1875					Eviru Cost	Good		None							+
Freston Fres					- 1							Extra Goal	5000		(40))6				n -	n	n	n
Frestro													Good		None	n	n					n
Fream			2.	71/11	1				1.00			Hot Applied Asphall										1
Fresion Fres	Fresno	Fresno	2	71/11					3.00		2.00	Extru Coat										
Freson F																n	n					
Freshon Fres																						
Freson F												Single wrap		Acceptable								1
Rem Kern San Francisco													Good		None							
San Francisco San Francisco San Francisco San Francisco San Francisco San Francisco Utilida 23/11 Ship (==25psig) 1066 y 6.00 Steel 2.00 Hot Applied Asphall None y y None n n n n n n n n n						HP (<=60psig)							Cond		None							
SHP (~=26psig) 1966 Y 5.00 Steel 2.00 Hol Applied Asphalf None Y Y None None Y Y None None Y Y None No					ŀ							run Appned Aspnall	10000		NOUS	17	11			-		+
Fresho F					ŀ	SHP (<=25psin)	1966	ļ				Hol Applied Asphali		 	None		<u>-</u>				 	+
Fresho F					ŀ		1		ex			peperana a coproduit								n	n	n
Fresho F					l	HP (<=60psig)				Steel		Single wrap			None	п					<u> </u>	1
Rem Kern Fresno					ľ	HP (<=60psig)							Good		None	n						
Fresho F					ľ														n	n	n	
Fresho F								У				Hot Applied Asphalt	Fair			У	У					
Fresno F					[HP (<≈60psig)																n
Fresno F					l.	HP (<=60psig)																n
Fresno Fresno Fresno Fresno 27/11 HP (==60psig) 2.00 Steel 2.00 Hot Applied Asphalt Excellent None Good Fresno Fresno 27/11 HP (==60psig) 2.00 Steel 4.00 Hot Applied Asphalt Good None n Good Fresno Fresno Fresno Fresno Fresno 28/11 HP (==60psig) n 3.00 FE 2406 (Orange) 2.00 Steel 2.00 Single wrap Fair Acceptable None n n n n n n n n n	11111111				Į.	mP (<=60psig)			3.00					-					n			n
Fresno					l.	nr (<=tupsig)			2.00			Hot applied applied	Eventions		None			Good	n	I II	n	n
Kern Kern Kern 27/11 HP (<=60psig) n 3.00 PE 2406 (Orange) 2.00					ŀ	HP (<=80psig)										n				-		+
Fresno Z8/11 HP (<=60psig) 2.00 PE 2406/2708 (Yellow) 4.00 FE 2406/2708 (Yel					ŀ			n				1 1 or 3 deleners 3 columns	0,000		11000			5,000	n	n	n	n
Fresho F					ŀ							Single wrap	Fair	Acceptable	None	n				<u> </u>		1
Fresho F					ŀ																	1
Fresho Fresho 28/11 HP (<=60psig) 14,00 PE 2408/2708 (Yellow) 4,00					ľ				3,00	Steel			Fair		None							
Kern Z/8/11 HP (<=60psig) 1954 y 4.00 Steel 2.00 Hot Applied Asphalt Fair None None North Valley Redding 2/8/11 HP (<=60psig)					l														n			n
North Valley Redding 2/8/11 HP (<=60psig) 1964 y 2.00 Sleel 0.75 Hot Applied Asphall Good None None																			n	n	n	n
								У														1
New York 1984 1984 1985					l.			У					Good							-		-
North Coast Uklah 29/11 SHP (==258tg) 1968 y 6,00 Steel 2,00 Somastic None n y					Į.		1968	У					Eate	Associate		n			-			-
Fresno Fresno 2/9/11 HP (≪=60psig) 5.00 Steel 2.00 Single wrap Fair Acceptable None n n Fresno Fresno 2/9/11 HP (<=60psig)					ļ									Acceptable		n	n			-		1
Fresno Fresno 29/11					ŀ				0.00							-			n	n	n	n
Covers Covers Trans Tran	(1001)0	(10400	Z.	199 1 1		in (smoopsty)			L	Oleel	0.00	Julyie map	1 011	L	HOUSE	,,,			1		l	1

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY

	TEECAP CRACK YIN	1	= =		c	=	c		c	۵			=		c	c	=	ŀ	-		С					=				E				۵		=		c	-	c		c		=	-	c	c				=	G							С		
	CRACKING		= =		c	c	c		u	c					а	c	۵	4			u					=				c				ű		=		c	=	c		u		c		c	c					c							с		
	DISCOLOR	Ī	= =	İ	С	c	c		С	۵	1		1	T	c	c	c	1	1	T	c						T	T	T	E	ľ	T				=	T	c	-	c	ľ			c	T	c	c				-	c	T			1	T	П	С	T	
	GOUGING D	1	= =	r	c	=	c		u	c	+	1	+	t	c	c	£	1	+	\dagger	c		1	1	1	+	\dagger	+	T	E	l	T		=		=	\dagger	c	=	c				c		c	E			1	=	c	r			1	\dagger		c	+	
	SUPPORT 0		T	Good		T	t		Good	1	1	1	t	t	r	Good		1	t	t	Good	Good	1	1	1	†	T	Good		t	T	T		Good		1	T	T	T	Good	l		Good		2000	T	l				nnac	T	T			1	T			\dagger	
	COATING S REPAIRED YN		T	T		T	T			1	>-	1	,	t	t			Ì	7	. >			=	_	1	T	t	-	t	t	l	T				1	t	t		t			>-		t	l	İ				t	T	>-			>	1		>-	\dagger	
	COATING C DAMAGED R		t	c		c	t	c	c	1	>	=	>	+	t	c	e :		>	×. 5×	c	e	=	=	=	-	+		+	=	=======================================	t	-	ı.	c		=	5		c	c		24:		= =	=	ŀ	-	c	£	=	c	>			>	> =	c	c	= =	
	EXTERNAL DA	1	\dagger	None		Nana		None		None	None	None	None	None	t		None	None	Mono	None		None	None	None	None	None	None	None	None	l	None	None	Light	_	None	Mana	None	None	None	None	None		None	1	None	None	None	None	None	None	+	None	None	None	None	None	None	None	None	None	
	CIRCUM EX	1	+	H		+	+			+	+	+	+	+	H		+	+	+	Acceptable	-	_	1	+	+	+	+	+	+	ł	ŀ	f	Acceptable	Ц	Acceptable	+	+	+	Acceptable	-	Acceptable		+	+	Accomplish	+	H	-		+	+	+	H	-		+	+			Acceptable	
	TING CIR	+	ł	po		-	-		po	=	5	00	- Pool		H	po	in .	-	Joe Joe	+	H	lleni	po	po	D	200	= F	3 1	po	po		L	H	Н	+	-	no.	Jud.	+	po	+		llent	-	4	+	po	llent	po		200	pe	po	po	lent	po	D =	pe	pc	+	
2011	PE COATING		+	thalf Good		half	+	Fair	Н	4	+	nan	+	Fair	+	Н	thatt Fair	+	\dagger	Fair	Good		+	+	0000	\dagger	+	+	+	1	+	ł	Fair	CO	Fair	i i	+	$^{+}$	Fair	t	Fair		Excellent	-	t	t	T	r	Н	Fair	00	Good	t		123					Fair	
January 01, 2011 - June 30, 2011	COATING TYPE			Hot Applied Asphall		Hot Annibad Asnhall		Single wrap		Hot Applied Asphalt	Hot Applied Asphalt	Mot Applied Aspnan	Single wran	Other			Hot Applied Asphalf	de la algue	Domble waren	Somastic		Extru Coat	Single wrap	Extru Coat	Double wrap	Qingle uman	Double wrap	Flot analised a sr	Double wrap		Hot Applied Asphalf		Somastic		Somastic	Olivelo staron	de la alfillo	Single eran	Single wrap		Single wrap		Extru Coat		Single wran		Single wrap		Single wrap	Single wrap		Single wrap	Double wrap		Hot Applied Asp	Hot Applied Asp	Hot Applied Asp	Hot Applied Asphall	Somastic	Single wrap	
iary 01, 20	EINE SIZE	000	2.00	0.75	0.50	0.50	2.00	2.00	1.00	00	4.00	4.00	8 00	2.00		1.00	1.00	0000	0.76	8.00	1.00	2:00	0.75	2.00	7,00	3 00	00.0	0.78	00 %	1.00		3.00	3.00	1.00	2.00	4.00	7.00	1 00	2.00	1.00	3.00	1.25	5:00	2.00	3.00	1.00	3.00	2.00	4.00	2.00	00.1	1.00	0.75	4.00	3.00	5.00	0.50	2.00	3.00	3.00	
GAS INSPECTION RESULTS: Janu	MATERIAL	County of the County	PE 2406/2708 (Yellow)	Steel	Atdyl A	Aldyl A Sleel	PE 2406 (Orange)	Steel	E 2406/2708 (Yellaw)	Steel	Steel	Sieel DE 2406 (Orongo)	PE 2400 (Urange)	Sleel		PE 2406/2708 (Yellaw)	Steel	Sieel	CL 2900 (Oldings)	Steel	E 2406/2708 (Yellow)	Steel	Steel	Steel	51881	C Z4UOZ/UG (TBIIOW)	Sleel	Sale	98	E 2406/2708 (Yellow)	Steel	Steel	Sleel	PE 2406/2708 (Yellow)	Steel	PE 2406/2708 (Yellaw)	21000	Steel	Steel	PE 2406/2708 (Yellow)	Steel	PE 2406/2708 (Yellow)	Steel	PE 2406/2708 (Yellow)	Ĭ,	PE 2406/2708 (Yellow)	Steel	Steel	Steel	Steel	70017	PE 2406/2708 (Yellow)		Steel	Steel	Steel	Copper	Sleel		Sleel	
PECTION	FEET	+	4.00 P	†	1.00	5.00	2.00	5.00	Δ.	1	4.00	2.00	2000	3.00	+	ů.		0.00	0000	2009	Δ.	3.00	3.00	3.00	4.00	200	7 00 4	00 7	4.00	t	2.00	t			+	6.00 45.00	00.61	3.00	2,00	t	5.00	М	7	4.00	5.00	t	+	4.00	4.00	+	+	+	+	7.00	5.00	4.00	5.00	3.00	4.00	00.3	
GAS INS	CATHODIC PROT YN E		-	^	С	c >			-	1	=	1	†	>	l		+	1	-	+					+	+	T	2	+	l	T			_		1	_	t	+	t	r	c		1	T	T		-		+	+	t	t				t	c		+	
	YEAR O	2011	2011	1984	1975	19/0	+			1	+	†	+	1942	t		+	4003	2011	-				1987	+	\dagger	t	1058	+	t	t	l	r	_		+	+	\dagger	+	t	r			+	t	T	H			+	+	t	t	-		+	\dagger	2011		+	
	SYSTEM PRESSURE I	CO CO	HP (<=600sig)	(disdge=>)	<=:e0psig)	HP (<=60psig)	(e=e0psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	LP (<=10.5 \mu c)	(caeconosia)	(K=00psig)	HP (<=60psig)		HP (<=60psig)	HP (<=60psig)	HP (<=00ps(g)	CHD (c=26nein)	HP (<=60psia)	HP (<=60psig)			HP (<=60psig)	HP (<=c0psig)	HP (<=00psig)	HD (carefuncia)	MP (englosia)	HP (<=60ps(a)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	(<==00bs(g)	HP (<=60psig)	HP (<=60psig)	(Bisdog=>)	HP (casingle)	HP (<=60psig)	HP (~=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (czennejn)	(==e0bsid)	(e=e0psig)	(c=e0psig)	<==0psig)	HP (<==60psig)	(Serion -)	(disdos=>)	(c=e0psig)	(<=00psig)	(disd09=>)	HP (<=80psig)	HP (<=60psig)	(e=e0psig)	(disd09=>)	HP (<=60psig) HP (<=60psig)	
	BLOOK PR		₽	eda	≘ ac	te	l d	£	£	Ŧ	. F		E C	문		웊	Î		0170	1	£		ŀ	£ .	Ė		E GI	E G	1	Î	Î	Ŧ	크	d I	오	Ŧ E	È	Î	S. S.	1	Î	Ŧ	£	1	1 2	유	호	£	호	£ 3		E I	£	Hb	HP (<	£ 1	È È	오	œ S		
	WALL PLAT BL																																																												
	REPORT		2/9/11	1_		2/40/11	_	2/10/11	2/10/11	2/10/11	2/10/11	201011	2/11/11	2/11/11	2/14/11	2/14/11	2/14/11	0.048.04	2/46/41	2/16/11	2/16/11	2/16/11	2/16/11	2/16/11	27777	0/47/4	3/47/44	2/48/11	2/18/11	2/22/11	2/22/11	2/22/11	2/23/11	2/23/11	2/23/11	2/23/11	2/24/11	2/24/11	2/24/11	2/24/11	2/24/11	2/25/11	2/28/11	2/28/11	9/98/11	2/28/11	2/28/11	3/1/11	3/1/11	3/1/11	3/1/11	3/1/11	3/1/11	3/1/11	3/1/11	3/1/11	3/2/11	3/2/11	3/3/11	3/3/11	
	ADDRESS STREET CITY	F	Re	da	ac	te	d																																																						
	DIVISION DISTRICT	\dagger	Kem Kern	Ļ	Ц	North Valley Redding	1		-	-	+	Fresho Fresho	Kem Kem	+	+	H	Fresho Fresho	+	+	+	-	_	+	+	riesno rresno	+	+	+	+	Fresno Fresno	H	ł	Fresno Fresno			resno resno	000	+	+	+	Fresno Fresno		+	sno Fresno	+	sno	+	L	Н	+	+	Smo	+	H	H	+	+	\mathbb{H}	H	Fresno Fresno Fresno Fresno	
	DIVIE		7 3	North	North	North	Fre	Fre	Fre	Fre	Ž.	Pre	S S	North Bay	Mis	Fre	Fre	1.16	2 3	Frei	Fre	Ž	Ž	Ž.	2 1	2 2	E G	Mission	Fre	E	Fre	Fre	Fre	Fre	Fre	P.Te	Con Ery	Fro	Frei	Fre	Fre	ž	Fre	-re	ST. G	Fre	Fre	Fre	Fre	Fre	Ero T	Fre	Fre	Fre	Fre	Ž	Z L	X X	Fre	Fre	

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

							GAS I	NSPECTI	ON RESULTS: Janua	ary 01, 20	111 - June 30, 2011										
DIVISION	DISTRICT	ADDRESS STREET ADDRESS GITY	REPORT	WALL 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 VIN		SUPPORT	GOUGING Y/N	DISCOLOR Y/N	CRACKING YIN	TEECAP CRACK V/N
Fresno	Fresno	R	3/3/11	\mathbf{z}	HP (<=60psig)			Ť T	PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno	Reda	3/3/11	Reda	HP (<=60psig)		1	1.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno	\ \frac{\fig}}}}}}}}{\frac}}}}}}}}{\frac}}}}}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\	3/3/11	1 8.	HP (<=60psig)			4.00	Steel	2.00	Double wrap	Excellent		None	У	У		n	n	n	n
Fresno	Fresno	l ä	3/3/11] %	HP (<≃60psig)			4.00	Steel	2.00											
Kern	Kern	Icted	3/4/11	cte	HP (<≃60psig)	1952		1.00	Sleel	0.75	Double wrap	Good		None							
Fresno	Fresno	Ä	3/4/11	1 2	HP (<=60psig)	2011		6.00	Steel	3.00	Hot Applied Asphalt	Fair		None	У	у					
Kem	Kern Fresno		3/5/11	Į.	SHP (<=25psig)		-	4.00	Sleel	2.00	Somastic	Fair	Acceptable	None	У	У	Good		-		-
Fresno	Kem		3/7/11		HP (<=60psig) HP (<=60psig)			2.00	PE 2406/2708 (Yellow) PE 2406 (Orange)	2.00		Good		None	n		5000	n	n	n n	n
North Valley	Redding		3/7/11	-	HP (<=60psig)	1963	У	2.00	Steel	0.75	Double wrap	Good		None			-		1"	"	
Fresno	Fresno		3/8/11	1	HP (<≃60psig)	1000		 	PE 2406/2708 (Yellow)	1,00	Double Hup	Good		Light	n	n		-	-		-
Fresno	Fresno		3/6/11	1	HP (<≃60psig)	 	-	 	PE 2406/2708 (Yellow)	1,00		Good		40.317	n	n	Good		1		-
Fresno	Fresno		3/8/11	1	HP (<=60psig)	<u> </u>		7.00	Steel		Single wrap	Fair		None	n	1				·	
Fresno	Fresno		3/8/11	1	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno		3/8/11	1	HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair		None	n						
Kern	Kern		3/8/11]	HP (<=80psig)	2011	n	7.00	PE 2406/2708 (Yellow)	2.00								n		n	n
North Coast	Eureka		3/9/11]	HP (<=60psig)			7.00	Steel	2.00											
Fresno	Fresno		3/9/11		HP (<=60psig)			7.00 4.00	Steel Steel	3.00 2.00	Single wrap	Fair	Acceptable	None			-	-			-
Fresno	Fresno		3/9/11	1	HP (<=60psig)			2.00	PE 2406/2708 (Yellow) Steel	2.00 4.00	List Applied Asphall	Good		None				n	n	n	n
Fresno North Valley	Fresno Red Bluff		3/9/11	1	HP (<≈60psig)			200	0.861	9.UU	Hot Applied Asphalt	coou		nune	у	У	-	-	-		-
Fresno	Fresno		3/10/11	1	HP (<=60psig)			5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n	n			-		
Fresno	Fresno		3/10/11	1	HP (<=60psig)		 	5.00	Steel	3.00	Single wrap	Fair	Тисториали	None	n	n	1		-		
Kern	Kern		3/10/11	1	SHP (<=25psig)	2011	 	4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	Ą	¥	-		-		†
Kern	Kern		3/11/11	1	HP (<=60psig)		n	1.00	PE 2406/2708 (Yellow)	0.50	1						1	n	n	n	n
Fresno	Fresno		3/11/11	1	HP (<=60psig)			3.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
San Francisco	San Francisco		3/11/11	1	HP (<≃60psig)	2011	y	2.00	Steel	2.00	Double wrap	Excellent		None							
North Bay	Marin		3/12/11]	HP (<≈60psig)	1952	У	4.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	У	y	Good				
Kern	Kern		3/14/11]	HP (<=60psig)	2011	У	2.00	Steel	0.75	Double wrap	Fair		None	У	n	Good	n			
New York	1.8646		0/44/44		11617	4075		4.00	SE 0.00 (0												
North Coast Fresno	Uklah Fresno		3/14/11		HP (<=60psig) HP (<=60psig)	1975	n	1.00 9.00	PE 2406 (Orange) Steel	4.00 3.00	Single wrap	Fair	Acceptable	None	n				n	n	
Fresno	Fresno		3/14/11		HP (<=60psig)		ļ	9.00	PE 2406/2708 (Yellow)	1.00	angle wap	Good	Ассернаше	None	n	n	-	-	-		
Fresno	Fresno		3/14/11	-	HP (<=00psig)		 	3,00	PE 2406 (Orange)	1.00	-	15000		(400)0				n	n	n	l n
Fresno	Fresno		3/14/11	1	HP (<=60psig)		 	3.00	PE 2406 (Orange)	1.25								n	n	n	n
Fresno	Fresno		3/14/11	1	HP (<=60psig)		 	3.00	Steel	3.00	Somastic	Excellent		None			Good				
Fresno	Fresno		3/14/11	1	HP (<=60psig)	-	1	3.00	PE 2406 (Orange)	1.25						 	1	n	n	n	n
Kern	Kern		3/14/11	1	HP (<=60psig)	1983	1	4.00	Steel	6.00	Extru Coat	Excellent	Acceptable	None			Good				-
Fresno	Fresno		3/15/11	1	HP (<=60psig)			7.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n						
Fresno	Fresno		3/15/11	1	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good	Acceptable		n	n	Good				
San Francisco	San Francisco		3/16/11					2.00	Steel												
Fresno	Fresno		3/16/11]	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno		3/16/11		HP (<=60psig)		y	7.00	Steel	3.00	Single wrap	Fair	Acceptable	None		ļ				L	
Fresno	Fresno		3/16/11		HP (<=60psig)		У		Steel	3.00	Other	Good			n		Good		n	n	n
Fresno Fresno	Fresno		3/16/11	1	HP (<=60psig) HP (<=60psig)		У	4.00	Steel Steel	2.00 4.00	Other	Good			n			n	n	n	n
Kern	Fresno Kern		3/16/11	1	HP (<=60psig)		n	6.00	PE 2406 (Orange)	4.00	-							n	У	n	n
75500	7,011		W. 103 11	1	, (- oupsig)	-	 	0.00	. = z-rov (orange)	97,474		-					-		· ·		
North Valley	Redding		3/16/11		HP (≺≃60psig)	1968	у у	1.00	Steel	0.75	Таре	Good		None							
North Bay	Marin		3/16/11	1	HP (<=60psig)	1994	n	13.00	PE 2406/2708 (Yellow)	1.00	T							n	n	n	n
North Coast	Uklah		3/17/11		HP (<=60psig)	1975	n	3.00	PE 2406 (Orange)	0.50									n	n	
North Coast	Ukiah		3/17/11		HP (<≃60psig)	1975	n	3,00	PE 2406 (Orange)	0.50								n	n	n	
Fresno	Fresno		3/17/11]	HP (<=60psig)		У		Steel	3.00	Other	Good			n		Good	- 0	n	n	n
Fresno	Fresno		3/17/11	1	HP (<=60psig)			5.00	Steel	2.00	Somastic	Good		None							
Fresno	Fresno		3/17/11		HP (<=60psig)			6.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
North Coast	Eureka		3/17/11	1	HP (<≃60psig)	1946	У	4.00	Steel	4.00	Somastic	Excellent		None	n	У					
North Coast	Eureka		3/17/11	1	HP (<=60psig)	1946	У	4.00	Steel	4.00	Somastic	Excellent		None	n	У	-				
North Coast	Eureka		3/17/11	1	HP (<=60psig)	1946	У	4.00	Steel Steel	4.00	Somastic Someon Application	Excellent		None	n	У	Cond	-	-		
Fresno North Coast	Fresno Eureka		3/18/11	1	HP (<=60psig) HP (<=60psig)	1955 1946	y	6.00 4.00	Steel	0.75 4.00	Hot Applied Asphalt	Good		None	У	У	Good				
North Bay	Marin		3/18/11	1	HP (<=60psig)	1940	y n	5.00	PE 2406/2708 (Yellow)	1.00	-	-					-	n	n	n	n
Fresno	Fresno		3/20/11	1	HP (<=60psig)		 	5.00	Sleel	0.75	 							n n	n 11	n 11	n
Kem	Kem		3/21/11	1	HP (<=60psig)	1996	h	3.00	PE 2406/2708 (Yellow)	0,50	 							n	n ''	n n	
Fresno	Fresno		3/21/11	1	HP (<=60psig)	1000	 	3.00	Steel	4,00	Double wrap	Good		None			 	 ''	 ''	 	-
Fresno	Fresno		3/21/11	1	HP (<≃60psig)		1	3.00	Steel	4.00	Double wrap	Good		None			1	-	1		†
Fresno	Fresno		3/22/11	1	HP (<≃60psig)		V	1	Steel	3.00	Other	Good		None	n	 	Good	n	n	n	n
L		l		L			·													·	

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

DIVISION DISTRICT ADDRESS STREET ADDRESS STREET ADDRESS REPORT DATE MALP PLAT BLOCK PRESSURE INSTALL PROT YN EXPOSED MATERIAL LINE SIZE COATING TYPE COATING COND WELD COND COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED REPAIRED COATING COATING COATING DAMAGED REPAIRED COATING COATING DAMAGED	COLGING YIN n	DISCOLO YIN	ER CRACKI YIN	
Fresho Fresho	n			
Fresno F	n			
Kern Kern G 3/22/11 G HP (==60psig) 1958 y 3.00 Sleal 0.76 Hot Applied Asphall Poor None y y North Valley Readling 1 3/22/11 HP (==60psig) 1968 y 3.00 Sleal 0.76 Dauble wrap Good None n Fresno Fresno HP (==60psig) 1968 y 6.00 Sleal 0.76 Dauble wrap Good None n	n			-
North Valley Reddling 3/22/11 C HP (==60psig) 1965 y 3.00 Sleel 0.76 Double wrap Good None n	n			-
Fresno Fresno	n	1		_
	n			
Kern Kern		n	n	n
Kern Kern 3/23/11 HP (<=60psig) 4.00 Steel 2.00 Het Applied Asphalt Fair None y y Good	-	-		
Fresno Fresno 3:24:11 HP (==0psig) 4.00 Steel 3.00 Bare/None None Fresno Fresno Fresno 13:24:11 HP (==0psig) 5.00 PE 24:00:27:09 (*reliave) 1.00	n	n	n	n
Kem Kem 372411 HP (==00psig) 5.00 PE 2406 (Orange) 0.50	n	n	- n	- n
North Coast Eureka 3/24/11 HP (<=50psig) 1960 y 1.00 Steel 0.75 Single wrap Poor None y y Good		 		
Fresho Fresho 3/25/11 HP (<=60psig) 6.00 PE 2406/2708 (Yellow)	n	n	n	n
Fresno Fresno 3/26/11				
Fresho 3/26/11 HP (<=60psig) y 6.00 Sleel 3.00 Single wrap Fair None n Fresho Fresho 3/28/11 HP (<=60psig)	-	n	n	n
Fresno Fresno 32/28/11 HP (==00psig) y Steel 3.00 Other Good n Good Fresno Fresno 12/28/11 HP (==00psig) 1.00 PE 2406 (Orange) 0.50	n	n	- n	
Fresn Fresn 3/38/11 HP (=50ps(q) 1.00 Steel 0.75 Hot Applied Asphalt Excellent None		 " -		
Fresno Fresno 3/28/11 HP (←=60psig) 2.00 Aldyl A 1.00	n	У	n	n
Fresno Fresno 3/28/11 HP (≪60psig) 6.00 Steel 2.00 Single wrap Fair None n				
Kem Kem 3.28/11 HP (<=60psig) 1976 3.00 PE 2406 (Orange) 0.50	n	n	n	n
Kern Kern 3/26/11 HP (<=60psig) 3.00 PE 2406 (Orange) 2.00 None Fresho Fresho 3/29/11 HP (<=60psig)	-	n	n	
Fresho 3/29/11 HP (<=60psig) 4.00 Steel 4.00 Single wrap Good None Fresho Fresho 3/29/11 HP (<=60psig)	+	-	+	
Fresin Fresin 3/29/11 HP (=60psig) PE 2406/2708 (Yellow) 1.00 Good None n	1 n	n	n	n
Fresno Fresno 3/29/11 HP (<=60pstg) 2.00 Steet 0.75 Hot Applied A sphall Good None n	1	1		-
Kern Kern 3/29/11 SHP (<=25psig) 3.00 Steel 2.00 Hot Applied Asphalt Good None Good				
Fresho Fresho 3/30/11 HP (<=60psig) 3.00 Steel 3.00 Hot Applied A sphall Good None				
Fresho 3/30/11 HP (<=60psig) 3.00 PE 2406/2708 (Yellow) 1.00 Good None n Fresho Fresho 3/30/11 HP (<=60psig)	n	n	n	n
Fresno Fresno 3/30/11 HP (<=60psig) 4.00 Sleel 2.00 North Valley Redding 3/30/11 HP (<=60psig)	-	n		n
North Valley Redding 3/30/11 HP (==60psig) 1995 n 6.0.0 PE 2486/27/98 (Yellow) 4.0.0	1 " 1	1 n	- 'n	
North Coast Santa Rosa 3/31/11 HP (<=60psig) 1946 y 4.00 Steel 2.00 Hot Applied A sphall Good None n n	1	 		-
Fresho Fresho 3.0111 HP (<=60psig) 11.00 Steel 3.00 Single wrap Fair None n				
Fresno Fresno 3:31/11 HP (==60psig) 1.00 PE 2406 (Orange) 1.00	n	n	n	n
Fresho	n	n	n	n
Fresho Fresho 3/3 1/1 HP (<=60psig) 7.00 PE 2406 (Orange) 1.00	n	n	n	n
Fresno Fresno 44//11 HF (==00psig) 6.00 Sleel 2.00 Single wrap Fair Acceptable None n	 	 		
Fresno Fresno 4/4/11 HP (<=60psig) 4.00 PE 2406/2708 (Yellow) 1.00 Good None n Good	n	n	n	n
Fresno Fresno 4/4/11 HP (<=60psig) 4.00 Steel 4.00 Single wrap Good None				
Kern Kern 4/4/11 HP (<=60pstg) 1987 n 4.00 PE 2406 (Orange) 2.00	n	n	n	n
Fresho 4/5/11 HP (<=60psig) 6.00 PE 2406/2708 (Yellow) 2.00 Fresho Fresho 4/5/11 HP (<=60psig)	- n	n	- n	n
Preside		 		
Fresno Fresno 4/5/11 HP (=@Opsig) 1.00 Steel 3.00 Hot Applied Asphalt Good None n	+	 	-	_
Fresno Fresno 4/5/11 HP(<=60psig) 6.00 Steel 2.00 Single-wrap Fair None n	1	1		
Fresno Fresno 4/6/11 HP (≈60pstg) 4.00 PE 2406/2708 (Yellow) 1.00 Good None n Good	n	n	n	n
Frestro 4,6711 HP (<=60ps)g) 5.00 Steel 2.00 Single wrap Fair None n n	-	-		
Fresho 4/6/11 HP (<=60psig) 2.00 Sleel 0.75 Hot Applied Asphall Excellent None n Fresho Fresho 4/6/11 HP (<=60psig)	- n	n	n	n
Tresto 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	"	n	n	
Fresno Fresno 4/7/11 HP (<=60psig) 4.00 PE 2406/2788 (Yelllow) 1.00 Good None n n Good	n	n	n	n
Kern Kern 4/8/11 HP (<=60psig) 1954 3.00 Sleel 2.00 Double wrap Poor None n Good				
Fresno Fresno 4/8/11 HP (<=60psig) 3.00 Sleel 3.00 Hot Applied Asphalt Good None n				
Fresno Fresno 4/8/11 HP (<=60psig) 3.00 Steel 6.00 Hot Applied Asphalt Good None	-	-		
North Coast Uklah 4/8/11 HP (<=60psig) 1978 n 1.00 PE 2406 (Orange) 0.50	n	l n	n	
Volat	 " 	 ''		-
Fresno Fresno 4/11/11 HP (==50psig) 5.00 Steel Single-wrap Fair Acceptable None n	1	1		
Fresno Fresno 4/11/11 HP (==80psig) 5.00 Steel 2.00 Good None				
Kern Kern 4/11/11 HP (<=60psig) 4.00 Steel 2.00 Hol Applied Asphall Fair None y y Good				
North Coast Uklah 4/12/11 HP (<=60psig) 1985 n 8.00 PE 2406 (Orange) 1.25	n	n	n	
Fresho Fresho 4/12/11 HP (≪60psig) 5.00 Steel 2.00 Steel 3.00 Steel 3.00 Steel 3.00 Steel 3.00 Steel 3.00 3.00 None n Good None n Good	n	n	n	
Freshto Freshto 43/12/11	+ " -	+-"-	+ "	
Frano Fresno 4/13/11 HP (==50ps(g) 4.00 PE 2406/2708 (Yellow) 1.00 Good None n n Good	1	n	n	n
Fresno Fresno 4/13/11 HP(<=60psig) 8.00 Steel 2.00 Single wrap Fair Acceptable None				
Fresno Fresno 4/13/11 HP (<=80psig) 4.00 Sleel 3.00 Hot Applied Asphall Excellent None y y Good				

Fresho	North Vallay	Fresno	Kem	Fresho	North Violen	Kem	Fresno	Fresno	North Bay	Fresno	Kem	Kem	North Valley	Kern	North Bay	Central Coast	De Anza	Etasano Ottoatii	Fresho	Fresno	North Valley	Kem	Fresno	Fresno	Fresno	Fraeno	Kem	North Valley	Fresno	Fresno	North Valley	Origana	Kem	Fresno	Fresno	Fresno	San Jase	Kem	Kem	Fresno	North Coast	North Valley	Noitt Bay	North Bay	Fresno	Fresno	Fresno	Craeno	Fresno	Fresno	Fresno	North Valley	Kem	Kem	Fresno	DIVISION	
Fresno	Dadding	Fresno	Kern	Fresno	Doddina	Kem	Fresno	Fresno	Vallejo	Fresno	Kem	Kern	Reading	Kem	Napa	King City	De Anza	Erasno 1 resuu	Fresho	Fresno	Redding	Kern	Fresno	Fresno	Fresno	Nem	Kem	Redding	Fresno	Fresno	Redding	Form	Kem	Fresno	Fresno	Fresno	San Jase	Kem	Kem	Fresno	Ukiah	Red Bluff	Kem	Vallejo	Fresno	Fresno	Fresno	Frasmo	Freano	Fresno	Fresno	Red Bluff	Kern	Kern	Fresno	DISTRICT	
		1												1				1		ı																	1													ŗ) -	t)	eb) -	H.	ADDRESS STREET CITY	ADDRESS
5/13/11	6140144	5/12/11	5/11/11	5/10/11	E 10/4 4	5/9/11	5/9/11	5/9/11	5/9/11	5/8/11	5/4/11	5/4/11	573/11	5/3/11	5/3/11	5/3/11	5/3/11	5/9/11	11/2/5	5/2/11	4/29/11	4/29/11	4/29/11	4/29/11	4/29/11	47/29/17	4/28/11	4/28/11	4/28/11	4/28/11	4/27/11	117779	4/26/11	4/26/11	4/25/11	4/25/11	4/25/11	4/20/11	4/20/11	4/20/11	4/20/11	4/19/11	4/19/11	4/19/11	4/18/11	4/18/11	4/18/11	40604	4/14/11	4/14/11	4/14/11	4/13/11	4/13/11	4/13/11	4/13/11	DATE	
	E		-[- 1		-1 -		T-1	-1	7	-1-	-1-	1-	-	7	7	-1-	-1-	-1		I-I		7	7	-	- S	T	1-1	7	-1-	-1-	-1-		-1		T-	-I-		-	7		T	1-	-	7		-1-		I I	- 1	1	ī	oə'	- 8	MAP PLAT BLOCK	
HP (<=60psig)	D (Amedina)	HP (<=60psig)	HP (<=60psig)	Up (~~ aulusid)	D / June Changes	MP (<=60psig)	-H2 (<=60psig)	4P (<=60psig)	1₽ (<=60psig)	-IP (<=60psig)	P (<=60psig)	+P (<=60psig)	r (<=60psig)	P (<=60psig)	P (<=80psig)	P (<=60psig)	HP (<=80psjg)	TP (<=00paig)	HP (<=supsig)	+P (<=80psig)	P (<=60psig)	HP (<=60psig)	_P (<=10.5%vc)	HP (~80psig)	HP (<=60psig)	ab (<==00sio)	HP (<=25psig)	∜P (<=60psig)	-{P (<=60psig)	#P (<=60psig)	#P (<=60psig)	(fishbara) at	#P (<=60psig)	HP (<=60psig)	√P (<=60psig)	-	ir (>-oupsig)	P (<=60psig)		HP (<=60psig)	HP (<=60psig)	P (<=10.5°wc)	(Gisdna=>) AL	P (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	JP (< copsig)	HP (<=60pslg)	-{P (<=60psig)	+P (<=80psig)	HP (<=60bsia)	HP (<=60psig)	HP (<=60psig)	HP (<=80psig)	PRESSURE	Medisas
1930	1000	T	1986	2011	1004		1940	1985	1991		1978	1904	1902	2011	1990	1952	1947	1107	2011	1940	1967	2011		2011	2007	2011	1972	1967	2010	2010	1971	1107	2011		2011	1	T				1996	1983	1083	2011			T	Ī				1962	1987	1949	Ī	INSTALL	YEAR
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3,00	600	2.00	2.00	6.00	2 00	3.00	4.00		5.00	2.00	1.00	4.00		2.00	2.00	16.00	3 00	200	2.00	2.00	2.00	4.00	6.00	6.00	1,000	2.00	1.00	3.00	8.00	10.00	3.00	200	3.00	3.00	3.00	4.00	2.00	5.00	1.00	5.00	6.00	4.00	600	3.00	3.00	3.00	6,00	4.00		6.00		2.00	4.00	2.00	4.00	EXPOSED	Reed C
Siees	Spal		PE 2406 (Orange)	PE 2406/2708 (Yellow)	2	PE 2406 (Orange)	PE 2406 (Orange)		PE 2406 (Orange)	Steel	PE 2406 (Orange)	Sleel		Steel	PE 2406 (Orange)	Steel	Steel	Sippl	Aldel A	Sleel	Sleel	Sleel	Sleel	PE 2406/2708 (Yellaw)		Seaso	PE 2406/2708 (Yellow)	Sieel	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellow)	Steel	DE 9406/3706 (Yellow)	Sleel Sleel	Steel	PE 2406 (Orange)	Sieel	Siege	PE 2406 (Orange)	Steel	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellow)	Steel Steel	PE 2400 (Change)	Steel	PE 2406/2708 (Yellow)	Steel	Sign	Class (DidCK)		Steel		Sleel (Crange)	PE 2406 (Orange)	Steel	PE 2406 (Orange)	MATERIAL	
0.74	0.75	T	0.50	2.00	0 16	2.00	2.00		0.50	2.00	0.50	2.00	00.5		1.00	4.00	0.75	2000	100	2.00	0.75	2.00	1.25	2.00		2.00	0.50	2.00	4.00	4.00	0.75	200	2.00	4.00	2.00	4.00	200	2.00	16.00	0.50	2.00	1.25	200		1.00	4.00	2.00	4 00	200	2.00		0.75	2.00	0.75	2.00	LINE SIZE	
idha	Tana			not Applied Ashiran	iled Applied Applied							Single wrap	Double trees	Hot Applied Asphall		Hot Applied Asphalt	Hot Applied Asphalf	Olher		Olher	Double wrap	Single wrap	Hot Applied Asphall			Double wrap	3	Other			Other	promise walp	Hot Applied Asphalt	Hot Applied Asphalt		Double wrap	Hot Applied Asphalt	Unit Applied Applied				Single wrap		Other		Other	Single wrap	Dankta vegan	Hodge V Freillian V 1950	Single wrap		Dauble wran		Single wrap		COATING TYPE	
Good	David	Fair		0000	0							Good		Good		Good	\neg	-	Ī	Fair	Good	Good	Excellent	1		0000		Good			Excellent	0000	Good			Good	Gnad	Cupallan				Good	T		Good	Excellent	Fair	Sound		Fair		Gnad	Γ	Fair		COND	COATINI
		+						_		1	1	1	T		H	Acceptable	1														T	T				1	Acceptable	+													1					METO COND	CIRCUM
Militar	Plons			RIDE	Namo							None	Nego	None		None	None	None		None	None	None	None			None		None			None		None	None		None	None	Non				None		None	None	None	None	Strok		None		Nane		None		BOUGING	VNSHLAS
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TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011

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

							GAS II	VSPECTIO	DN RESULTS: Janua	ary 01, 20	11 - June 30, 2011										
DIVISION	DISTRICT	ADDRESS STREET 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 REPAIRED YN	SUPPORT COND	GOUGING Y/N	DISCOLOR YIN	GRACKING YIN	TEECAP CRACK Y/N
Fresno	Fresno	Z)	5/13/11	70	HP (<≃60psig)	-	V	2.00													+
Fresno	Fresno	Reda	5/16/11	₽ Pg	HP (<≃60psig)	-	Ý	3.00										-			1
Fresno	Fresno	Q.	5/16/11	da da	HP (<=60psig)		ý	3.00	PE 2406 (Orange)												1
Fresno	Fresno	ក	07 107 1 1	0	HP (<=60psig)	2011	У	2.00													
Kern	Kem	icted	5/16/11	्र त	HP (<=60psig)	1945	У	7.00	Sleel	0.75	Single wrap	Fair		None	У	У	Good				
Fresno Central Coast	Presno Coast	<u>σ</u>	5/17/11	_ ი	HP (<=60psig) HP (<=60psig)	1946	У	1.00	Steel	4.00	Other Somastic	Fair Excellent		None	n		Good	-			-
North Coast	Ukiah		5/18/11	-	SHP (<=25psig)	2011	n	80.00	PE 2406/2708 (Yellow)	1.00	Sumastic	Excellent		None	- "-	n	15000	n	n	n	n
Fresno	Fresno		5/18/11	-	HP (<=60psig)		·		7 6 2 10 0 2 10 0 (1 0 10 17)	1.00										· · · · · · · · · · · · · · · · · · ·	1
North Bay	Vallejo		5/19/11	1	HP (<=60psig)	1955	n	5.00	Steel	0.75	Other	Good		None			Good				1
Fresno	Fresno		5/19/11		HP (<≃60psig)		У	2.00	PE 2406 (Orange)	0.50								n	n	n	n
Kem	Kem		5/19/11		HP (<≃60psig)	0011	n	2.00	Aldyl A	0.50								n	n	n	n
Kern Central Coast	Kern Hollister		5/19/11	-	HP (<=60psig) HP (<=60psig)	2011 1987	¥	3.00 4.00	PE 2406/2708 (Yellow) Steel	8.00 2.00	Hot Applied Asphalt	Good	Acceptable	None	n	٧	Good	n n	n n	n n	n
Central Coast	Coast		5/24/11	-	HP (<=60psig)	1970	y	3.00	Sleel	2.00	Extru Coat	Excellent	тиссориали	None	n	n	Good				+
Fresno	Fresno		5/24/11	1	HP (<=60psig)	2011	n	6.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern		5/24/11		HP (<=60psig)		n	3.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kern		5/24/11	1	HP (<=60psig)		n	3,00	PE 2406 (Orange)	2.00								n	n	n	n
Kern Central Coast	Kern Coast		5/24/11	-	HP (<=60psig) HP (<=60psig)	1930	n V	3.00 11.00	PE 2406 (Orange) Sleel	2.00 3.00	Single wrap	Poor		None	V	V	Good	n	n	n	n
Fresno	Fresno		5/25/11	1	HP (<=60psig) HP (<=60psig)	1950	y	11.00	pissi	5.00	amilie wrah	1 1001		INOTIE	у	У	5000				+
Fresno	Fresno		5/25/11	1	HP (<=60psig)	 	 	6.00	PE 2406/2708 (Yellow)	2.00			-					n	n	n	n
Fresno	Fresno		5/25/11	1	HP (<≃60psig)	 	У	4.00	PE 2406/2708 (Yellow)	1.00									n	n	n
North Coast	Ukiah		6/2/11]	HP (<=60psig)	1982	n	4.00	PE 2406 (Orange)	1.25								n	n	n	
Fresno	Fresno		6/2/11		HP (<=60psig)	2010	n		PE 2406/2708 (Yellow)	4.00								n	n	n	n
Kem	Kem Kem		6/2/11	-	HP (<=60psig)	-	n	8.00 2.00	PE 2406/2708 (Yellow) Aldyl A	2.00								n	n n	n	n
North Bay	Napa		6/3/11	-	HP (<=60psig)	-		6.00	PE 2406 (Orange)	2.00		-						n	n n	n	+
North Bay	Napa		6/3/11	1	711 (011)			8.00	PE 2406 (Orange)	1.25		-						n	n	n	1
Fresno	Fresno		6/3/11	1		 	·														1
Fresno	Fresno		6/3/11		HP (<=60psig)	1937		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
Fresno	Fresno		6/6/11	4	HP (<=60psig)	1937	ļ	3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				ļ
North Bay Fresno	Napa Fresno		6/6/11	-	HP (<=60psig)	1977		4.00 3.00	PE 2406 (Orange) Steel	0.50 2.00	Hot Applied Asphall	Good		None	n		Good	n	n	n	
Kem	Kem		6/6/11	1	SHP (<=25psig)	1972	n	1.00	Aldyl A	0.50	Crocyrippinou respirant	- 5000		110000				n	n	n	n
Central Coast	Monterey		6/7/11		SHP (<=25psig)	1953	У	9.00	Sicel	0.75	Single wrap	Poor		None	У	У	Good				1
Central Coast	King City		6/7/11]	HP (<≃60psig)	2007	У	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Fresno	Fresno		6/7/11		HP (<=60psig)	2011		4.00	Steel	2.00	Olher	Good		None							
Fresno	Fresno		6/7/11		HP (<=60psig)	2011	У	6.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	У	У	Good				
Kern North Coast	Kern Uklah		6/7/11		HP (<=60psig) SHP (<=25psig)	1992	n	1.00 4.00	PE 2406 (Orange) PE 2406/2708 (Yellow)	0.50								n	n n	n	n
Central Coast	Monterey		6/7/11		SHP (<=25psig)	1953	, , , , , , , , , , , , , , , , , , ,	5.00	Steel	2.00	Somastic	Fair		None	V	γ	Good	····		/ <u>''</u>	
North Coast	Ukiah		6/8/11		HP (<=60psig)	1970	ý	4.00	Steel	2.00	Extru Coat	·		None	n	n	Good				1
Central Coast	Salinas		6/8/11]	HP (<=60psig)	1999	n	2.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Fresno	Fresno		6/8/11		HP (<=60psig)	1953	У	5.00	Steel	0.75	Hot Applied Asphalt	Good		None	n	n					
North Bay Fresno	Vallejo Eresno		6/8/11	-	HP (<=60psig)	2003	n	3,00	Steel PE 2406/2708 (Yellow)	2.00	Hot Applied Asphalt	Good		None			Good	n	n	n	- n
Kern	Kern		6/8/11	1	HP (<=60psig)	2000	- "	3.00	PE 2406 (Orange)	1.25	-							B	n	n	n
Kern	Kern		6/8/11	1	HP (<=60psig)	1981	 	5.00	Sieel	4.00	Double wrap	Good		None	У	У		· · · ·			
Kern	Kern		6/10/11	1	HP (<=60psig)	1975		3.00	PE 2406 (Orange)	0.50								n	n	n	n
Kern	Kern		6/10/11]	HP (<≈60psig)	1985	n	10.00	PE 2406 (Orange)	2.00								n	n	n	n
Central Coast	Coast		6/10/11	-	HP (<=60psig)	1953	У	3.00	Steel	2.00	Hot Applied Asphalt	Fair		None	У	у	Good				-
Central Coast Kern	King City Kem		6/13/11	-	HP (<=60psig) HP (<=60psig)	2011	y n	2.00	PE 2406/2708 (Yellow) PE 2406 (Orange)	1.00 4.00	-							n	n n	n	n
Kern	Kern		6/13/11	-	SHP (<=25psig)	1950	N V	3.00	Steel	2.00	Hot Applied Asphalt	Fair		None		V		¹¹		· · · · · · · · · · · · · · · · · · ·	+
Central Coast	Monterey		6/14/11	1	LP (<=10.5°\vc)	1955	y	5.00	Steel		Somastic	Good			n	y					1
Central Coast	Monterey		6/14/11		HP (<=60psig)	1968	y	5.00	Steel	0.75	Somastic	Good		None	n	n	Good				
North Bay	Vallejo		6/14/11]	HP (<=60psig)			2.00	PE 2406 (Orange)	0.50								n	n	n	n
Central Coast	Monterey		6/14/11	4	HP (<=60psig)	1950	У	3,00	Steel	0.75	Hot Applied Asphalt	Fair		Mana	B		Cond				-
Central Coast Kem	Monterey Kem		6/14/11	4	HP (<=60psig) HP (<=60psig)	1956	У	6.00 2.00	Steel PE 2406/2708 (Yellow)	0.75 4.00	Somastic	Good	-	None	В	n	Good	n	n	n	n
Kern	Kem		6/14/11	1	HP (<=60psig)	-	V	3.00	PE 2406/2708 (Yellow)	0.50		-						n	n	n	l n
Fresno	Fresno		6/14/11	1	HP (<=60psig)	1	1	5.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	у	у	Good				1
Central Coast	Monterey		6/15/11	1	HP (<=60psig)	1960	У	1.00	Steel	0.75	Double wrap	Good		None	n	n	Good				
Central Coast	Monterey		6/15/11		HP (<=60psig)	1960	У	1.00	Steel	0.75	Hot Applied Asphalt	Good		None	n	У	Good				
Central Coast	King City		6/15/11	-	HP (<=60psig)	2007	У	2.00	PE 2406/2708 (Yellow)	1.00								n		n	n
Central Coast	King City		6/15/11	-	HP (<=60psig)	2011	У	2.00	PE 2406/2708 (Yellow) Steel	1.00	Hot Applied Asphall			Heavy				n	n	n	n
North Bay	Napa		0/10/11	L	J	3	I	4.00	Sidel		Locathbusa wabugu	L	L	meavy	n		l	L	L		

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

TEECAP CRACK YIN			c			c	c							c	С	=	T		u								c	c			
SRACKING			c			c	c	c			£			c	С	c	E		u			c			c		c	c		c	=
SUPPORT GOUGING DISCOLOR GRACKING TEECAP CONID YIN YIN YIN YIN YIN YIN YIN			c	-	l	c	c	E		-	c			c	С	>	-		=		-	c			c		c	c		=	_
YAN D			c	-		c	E	c			c.			c			t		c.		-	c			c	-	u	c		c	-
COND		Good		-	Good		l		Good	Good			Good				T	Good		Good	Good		Good								
		^		^	c		Ī		>	25.			c				T	>		>-	c		>			>-					
COATING COATING DAMAGED REPAIRED Y/N Y/N		×	-	>	c	-	l	-	>	-			c	-			T	>		>-	c	-	>			24.	-	-			-
		None		None	None				None			None		l				None		Light	None		None	None		None			None		
COND WELD COND GOUGING			-		ŀ		r			Acceptable					-						-	-					-		-	-	
CONTING		Good	-	Good	Good	-	r	-	Good	Fair		Good	Good				l	r		Poor	r		Excellent	Fair		Fair	-	-	Fair		
COATING TYPE		Hot Applied Asphalt		Hot Applied Asphall	Hot Applied Asphall				Hot Applied Asphall	Somastic		Double wrap	Hot Applied Asphalt					Hot Applied Asphall		Paint	Hot Applied Asphall		Double wrap	Hot Applied Asphall		Hot Applied Asphall			Hot Applied Asphall		
LIME SIZE	2.00	3.00	1	2.00	Ė	1.00	1.00	0.00	2.00	0.75	0.50	0.75	╁	2.00	0.50	0.50	0.50	3.00	2.00	4.00	3.00	3.00	2.00	-	3.00	0.75	05.0	0.50	F	2.00	2.00
MATERIAL LI	Steel	Sleel	PE 2406/2708 (Yellow)	Sleel	Sleel	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellow)	Steel	Steel	Aldyl A	Steel	Sleel	PE 2406/2708 (Yellow)	PE 2406 (Orange)	Aldyl A	Aldyl A	Sleel	PE 2406/2708 (Yellow)	Sleel	Sleel	PE 2406 (Orange)	Steel	Steel	Aldyl A	Sleel	PE 2406 (Orange)	Aldyl A	Sleel	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellow)
FEET	3.00	3.00	1	2.00	00.9	2.00 PE	2.00 PE	4.00 PE	4.00	2.00	4.00	5.00	1.00	2.00 PE	1.00	10.00	2.00	4.00	2.00 PE	00.9	00.9	-	6.00	4.00	-	-	2.00	2.00	H		2.00 PE
CATHODIC PROT YN ES	-		>	-	^	_	>	-		>-	=	>	>	c			c		=	>-	_	^	>		-	>-			>-	c	_
YEAR CA	1944		-	-	1968	2011	2011		-	1955	1974	1964	1971	-		1973	1977			1965	1978	1985	1985	-		1943	-	_	-	-	-
SYSTEM PRESSURE II	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	SHP (<=25psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<==00psig)	SHP (<=25pslg)	HP (<=60psig)	HP (<≈60psig)	HP (<==60psig)	HP (<=60psig)	SHP (<=25psig)	HP (<==60ps(g)	HP (<=60psig)	HP (<==60psig)	SHP (<=25psig)	HP (<=60psig)	HP (<==60psig)	HP (<=80psig)	HP (<=60psig)	HP (<=60psig)		HP (<=60psig)	HP (<=00psig)	SHP (<=25psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)
PLAT BLOCK	R			_	1	_	_	AT .	Œ	SHP	MP.	- HP	dH	dH	SHB	HP	H.	HP.	SMP) dH	dH H	dH.	dH	AH.		dH	HP	SHP		HP	dH
REPORT WALL DATE MAP	6/15/11	6/15/11	_	6/15/11	6/15/11	6/16/11	6/16/11	6/18/11	6/17/11	6/20/11	6/20/11	6/20/11	6/21/11	6/22/11	6/22/11	6/22/11	6/23/11	6/23/11	6/25/11	6/28/11	6/29/11	6/29/11	6/29/11	6/29/11	6/29/11	6/30/11	6/30/11	6/30/11	6/30/11	6/30/11	6/30/11
ADDRESS	Ŕ	e	ď	ac	t	ec	Ē			_				_	_			_				_		_		_		_	_	_	
ADDRESS STREET								_	_														•	•	•						
DISTRICT	De Anza	Kern	Kem	Kern	Ukiah	King City	King City	Vallejo	Fresno	Monterey	Ukiah	Redding	Monterey	Kem	Kem	Redding	Redding	Fresno	Kem	Coast	Ukiah	Coast	Coast	Napa	San Francisco	Marin	Fresno	Kem	Napa	San Francisco	San Francisco
DIVISION	De Anza	Kern	Kem	Kern	North Coast	Central Coast	Cerifral Coast	North Bay	Fresno	Central Coast	North Coast	North Valley	Central Coast	Kern	Kern	North Valley	North Valley	Fresho	Kem	Central Coast	North Coast	Central Coast	Central Coast	North Bay	San Francisco	North Bay	Fresno	Kem	North Bay	San Francisco	San Francisco

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

		2009 Results				2010 Forecast			2011 Forecast			2012 Forecast			2013 Forecast					
Line No	Work Category	Unit of Measure	Units Completed	Unit Cos	t To	ital Spend	Units Completed	Unit Cost	Total	l Spend	Units Completed	Unit Co	st To	otal Spend	Units Complete d	Unit Cost	Total Spend	Units Complete d	Unit Cost	EOY Actuals
1 2 3 4	MWC 14 - Table 19-3 GPRP CSRP MWC 14 Total	Feet of Main Installed Services Replaced	149,438 5,629		108 \$ 351 \$	60,983,849 38,566,770 99,550,619	132,729 6,227	\$ 457 \$ 6,424	\$	60,657,000 40,000,000 100,657,000	185,044 6,500	\$ \$ 6	472 \$,707 \$	87,305,000 43,595,000 130,900,000	189,351 6,485	\$ 486 \$ 7,002	\$ 92,017,000 \$ 45,408,000 \$ 137,425,000	258,613 2,138		\$ 129,320,000 \$ 15,629,000 \$ 144,949,000
5 6 7 8 9	MWC 47- Table 19-4 Capacity Main Installation Capacity Regulator Station Capacity Miscellaneous MWC 47 Total	Feet of main installed Regulation Station Installed N/A	24,100 4	\$ 377,	212 \$ 196 \$ \$	5,104,653 1,508,785 1,789,252 8,402,691	42,755 10	\$ 147 \$ 328,000	\$	6,285,000 3,280,000 1,435,000 11,000,000	55,000 11	\$ \$ 338	151 \$,182 \$ \$	8,320,000 3,720,000 1,510,000 13,550,000	55,000 12	\$ 156 \$ 348,333			\$ 160 \$ 358,333	\$ 8,820,000 \$ 4,300,000 \$ 1,240,000 \$ 14,360,000
10 11 12 13 14 15	MWC 50- Table 19-5 Main Replacement Service Replacement Regulator Station Cathodic Protection Miscellaneous	Feet of Main Installed Services Replaced Regulator Station (2) N/A N/A	11,231 1,624 51		297 \$ 381 \$ 791 \$ \$	3,334,823 12,474,292 7,129,356 2,395,994 3,248,194		\$ 478 \$ 8,269 \$ 195,122	\$	3,000,000 7,500,000 8,000,000 1,850,000 3,000,000		\$ 244	493 \$,533 \$,414 \$	2,350,000 1,677,402		\$ 509 \$ 8,780 \$ 251,897	\$ 6,497,200 \$ 6,045,517 \$ 2,430,000 \$ 1,730,003	24	\$ 523 \$ 9,040 \$ 258,966	\$ 6,215,172 \$ 2,490,000 \$ 1,782,156
16 17 18	Electronic Pres Monitoring CP Remote Monitoring MWC 50 Total				[5	28,582,659			\$	23,350,000	220 1723		,000 \$,400 \$	1,100,000 2,412,000 21,940,000	225 1723			225 1722		\$ 1,190,000 \$ 2,555,000 \$ 23,680,000
19 20 21	MWC 27 - Table 19-8 MPP Relocations MWC 27 Total	Services Relocated		N/A	\$	17,108 17,108	12	\$ 8,333	\$	100,000 100,000	/6	\$ 8	,289 \$	630,000 630,000	/6	\$ 8,553	\$ 650,000 \$ 650,000	76	\$ 8,816	\$ 670,000 \$ 670,000



(1) PG&E SAP costs were not separated by these categories for MWC 47 until 2005.
 (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

r				Sett	lement Reduc	tion			Revised Imputed Value
000000000000000000000000000000000000000		MWC Description	Comparison Exhibit Forecast	Settlement Reduction	Attrition Reduction	Total Reduction	2011 Imputed Regulatory Value	Pension 1 Adder	
מ [(A)	(B)	(C)	(D) = (B)+(C)	(E) = (A) + (D)	(F)	(G)=(E) + (F)
->									
	Gas Dis	tribution							
	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