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 <u>Priority 3</u>: 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						
					0	rder Costs
MWC	Project No	Project No Description	Order	Order Description	YTD	Since
					Actual	Inception
14	5500108	Pipeline Replacement	TOTAL		\$ 11	
14	5500725	Pipeline Replacement-East Bay	30616134	OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE	\$ 168	\$ 1,70
14	5500725	Pipeline Replacement-East Bay	30810294	BERKELEY GPRP - PHASE 2: PRINCE/TELEG	\$ 1,029	\$ 1,43
14	5500725	Pipeline Replacement-East Bay	30814275	R2L GP WINDSOR, ALAMEDA GPRP	\$ 33	\$ 22
14	5500725 5500725	Pipeline Replacement-East Bay Pipeline Replacement-East Bay	OTHER TOTAL		-\$ 3 \$ 1,226	
14	5500726	Pipeline Replacement-Fresno	30750011	WEST FRESNO GPRP 2010	\$ 161	\$ 2,22
14	5500726	Pipeline Replacement-Fresno	30807391	HUNTINGTON & 5TH 2011 GPRP FRESNO	\$ 971	\$ 1,27
14	5500726	Pipeline Replacement-Fresno	30807430	HUNTINGTON & 8TH GPRP 2011 FRESNO	\$ 274	\$ 70
14	5500726	Pipeline Replacement-Fresno	30808712	HUNTINGTON & TULARE 2011 GPRP FRESNO	\$ 32	\$ 5
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	\$ 39
14	5500910	Pipeline Replacement-North Bay	30835701	GPRP GROVE HILL AVE, SAN ANSELMO	\$ 12	\$ 6
14	5500910	Pipeline Replacement-North Bay	OTHER		\$ 30	
14	5500910	Pipeline Replacement-North Bay	TOTAL	004 0000 1070077 00777 1844	\$ 83	
14	5500912 5500912	Pipeline Replacement-SO Pipeline Replacement-SO	30737291 30826696	OC4 GPRP I STREET PETALUMA GD GPRP WEST AND VARIOUS, PETALUMA	\$ 85 \$ 14	\$ 1.07 \$ 1
14	5500912	Pipeline Replacement-SO Pipeline Replacement-SO	30835636	OC4 GD GPRP FIRST ST WEST, SONOMA -	\$ 369	\$ 38
14	5500912	Pipeline Replacement-SO	OTHER	23. 22 2. 13. High of West, School	\$ 8	
14	5500912	Pipeline Replacement-SO	TOTAL		\$ 476	
14	5500914	Pipeline Replacement-North Valley	30795703	RED BLUFF GPRP CEDAR & JACKSON	\$ 2	\$ 13
14	5500914	Pipeline Replacement-North Valley	OTHER		\$0	
14	5500914 5500917	Pipeline Replacement-North Valley Pipeline Replacement-Peninsula	30736194	OC1 GPRP REDWOOD CITY	\$ 2 \$ 195	\$ 1,47
14	5500917	Pipeline Replacement-Peninsula	30796765	HOOVER GPRP (2011 CRITICAL PROJECT)	\$ 118	\$ 17
14	5500917	Pipeline Replacement-Peninsula	OTHER		\$ 29	
14	5500917	Pipeline Replacement-Peninsula	TOTAL		\$ 341	
14	5500919	Pipeline Replacement-Sacramento	30616128	OC4 G PRP DOBBINS @ KENDAL, VACAVILLE	\$ 27	\$ 49
14	5500919	Pipeline Replacement-Sacramento	30616130	OC4 GP PRP ELIZABETH @ MASON, VACAVILLE	\$ 63 \$ 23	\$ 71
14	5500919 5500919	Pipeline Replacement-Sacramento Pipeline Replacement-Sacramento	OTHER		\$ 113	
14	5500923	Pipeline Replacement-San Jose	30680560	G S 12TH & S 13TH ST, SAN JOSE GPRP	\$ 14	\$ 1,20
14	5500923	Pipeline Replacement-San Jose	30746089	PH 1 BERRYESSA RD SAN JOSE GPRP2010	\$ 641	\$ 77
14	5500923	Pipeline Replacement-San Jose	30753678	G PARK AVENUE GPRPSAN JOSE	\$ 526	\$ 67
14	5500923	Pipeline Replacement-San Jose	30801105	G HAROLD AVE GPRP, SJ	\$ 21	\$ 23
14	5500923 5500923	Pipeline Replacement-San Jose Pipeline Replacement-San Jose	OTHER TOTAL		\$ 16 \$ 1,218	
14	5500926	Pipeline Replacement-Stockton	30668852	GPRP:LOCUST&WASHINGTON, LODI PHAS	\$ 959	\$ 1,46
14	5500926	Pipeline Replacement-Stockton	OTHER		\$0	
14	5500926	Pipeline Replacement-Stockton	TOTAL		\$ 959	10000000000000000
14	5500928	Pipeline Replacement-Yosemite	30741372	OC2 GPRP THIRD STREET OAKDALE PHASE 2	\$ 35	\$ 75
14	5500928	Pipeline Replacement-Yosemite	OTHER		\$ 16	
14	5500928 5505699	Pipeline Replacement-Yosemite Pipeline Replacement - Kern	TOTAL 30793853	OC2 REPL. MAIN HEIGHT & BERKELEY ST,BAK.	\$ 51 \$ 24	\$ 33
14	5505699	Pipeline Replacement - Kern	OTHER	COZ NEFE, MAIN HEROTH & BENNEELT ST, BAN.	\$0	
14	5505699	Pipeline Replacement - Kern	TOTAL		\$ 24	
14	5505701	Pipeline Replacement - Sierra	30804511	REPL LP GPRP 14TH & H, MARYSVILLE	\$ 450	\$ 47
14	5505701	Pipeline Replacement - Sierra	OTHER		\$0	
14	5505701	Pipeline Replacement - Sierra	TOTAL 20640246	OC1 GPRP BALBOA TERRACE, SAN FRANCISCO	\$ 450	0000
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30649246 30674899	OC1 GPRP SAINT FRANCIS 4, SF	\$ 20 \$ 68	\$ 2,08
14	5506443	Pipeline Replacement-San Francisco	30674992	OC1 G GPRP GEARY 4 SAN FRANCISCO	\$ 83	\$ 4,09
14	5506443	Pipeline Replacement-San Francisco	30753677	OC1 G GPRP BAYVIEW 2 SAN FRANCISCO	\$ 264	\$ 2,95
14	5506443	Pipeline Replacement-San Francisco	30754768	OC1 G GPRP STAPLES SAN FRANCISCO	\$ 239	\$ 1,43
14	5506443	Pipeline Replacement-San Francisco	30754774	OC1 G GPRP HOLLY PARK 1 SF	\$ 334	\$ 3,24
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30804481 30806806	OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN GPRP OUTER MISSION 2	\$ 408 \$ 1,672	\$ 40
14	5506443	Pipeline Replacement-San Francisco	30806814	G GPRP OXFORD, SF	\$ 3,051	\$ 3,61
14	5506443	Pipeline Replacement-San Francisco	30806816	OC1 R4E G GPRP SAN BRUNO, SF	\$ 1,699	\$ 1,92
14	5506443	Pipeline Replacement-San Francisco	30806817	R4E GPRP MISSION DISTRICT 3, SAN FRANC	\$ 2,576	\$ 3,21
14	5506443	Pipeline Replacement-San Francisco	30807801	OC1 G GPRP SUNSET 2, SF	\$ 2,839	\$ 2,84
14	5506443	Pipeline Replacement San Francisco	30807861	GPRP CAPITOL 3, SAN FRANCISCO	\$ 3,302	\$ 3,92
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30807977 30808096	G GPRP OCEANVIEW, SAN FRANCISCO G GPRP SUNSET 3, SF	\$ 2,025 \$ 2,578	\$ 2,22
14	5506443	Pipeline Replacement-San Francisco	30808140	G GPRP PERSIA, SAN FRANCISCO	\$ 1,222	\$ 1,51
14	5506443	Pipeline Replacement-San Francisco	30808157	G GPRP SOUTH VALENCIA 5, SAN FRANCIS	\$ 1,100	\$ 1,11
14	5506443	Pipeline Replacement-San Francisco	30808260	G GPRP BAYVIEW 3, SAN FRANCISCO	\$ 2,257	\$ 2,33

MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Incaption
14	5506443	Pipeline Replacement-San Francisco	30808261	R4E G GPRP 18TH ST, SAN FRANCISCO	\$ 1,400	\$ 1,647
14	5506443	Pipeline Replacement-San Francisco	30808590	GPRP MISSION DISTRICT 4, SAN FRAN	\$ 1,249	\$ 1,656
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30815779 30820278	OC1 G GPRP HOLLYPARK 1 (100 APPLETON AVE G GPRP BALBOA PARK 4, SF	\$ 358 \$ 508	\$ 489 \$ 997
14	5506443	Pipeline Replacement-San Francisco	30821410	G GPRP JOOST, SF	\$ 18	\$ 174
14	5506443	Pipeline Replacement-San Francisco	30821601	R1 E G GPRP BERNAL HEIGHTS, SF	\$ 202	\$ 513
14	5506443	Pipeline Replacement-San Francisco	30823194	M GPRP CRESCENT 3, SAN FRANCISCO	\$ 559	\$ 1,041
14	5506443	Pipeline Replacement-San Francisco	30829620	M GPRP - CONGO 1 - SF	\$ 158	\$ 348
14	5506443 5506443	Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco	30829626 OTHER	OC1 E G GPRP OCEAN AND PLYMOUTH, SF	\$ 499 -\$ 121	\$ 501
14	5506443	Pipeline Replacement-San Francisco	TOTAL		\$ 30,567	
14	5507199	EB Copper Service Replacement	TOTAL		\$ 82	
14	5507399	PN Copper Service Replacement	TOTAL		\$ 527	
14	5507600	SJ A67 Services Replacement	TOTAL		-\$ 4	
14	5507601 5507659	MI A67 Services Replacement DI A67 Services Replacement	TOTAL	+	-\$ 2 \$ 96	
14	5507660	CC A67 Services Replacement	TOTAL		\$ 0	
14	5507661	FR A67 Services Replacement	TOTAL		\$ 28	
14	5507664	YO A67 Services Replacement	TOTAL		\$ 1	
14	5507668 5507669	NB A67 Services Replacement A67 Services Replacement - SO	TOTAL		\$ 51	
14	5507781	SF A67 Services Replacement	TOTAL		\$ 56 -\$ 2	
14	5508319	EB A67 Services Replacement	TOTAL		\$ 137	
14	5508320	PN A67 Services Replacement	TOTAL		\$ 78	
14	5508321	DA A67 Services Replacement	TOTAL		\$ 112	
14	5508322	CC Copper Services Replacement	TOTAL		\$ 1	
14	5508323 5508325	SJ Copper Service Replacement SF Copper Service Replacement	TOTAL		\$ 608	
14	5508326	YO Copper Service Replacement	TOTAL		\$ 35	
14	5508366	NB Copper Service Replacement	TOTAL		\$ 7,435	
14	5508369	SA A67 Services Replacement	TOTAL		\$ 121	
14	5508371 5508372	FR Copper Service Replacement	TOTAL		\$ 2,591 \$ 12,308	***************************************
14	5509247	DI Copper Service Replacement Est - Int Est/DesignDist - SCV MWC 14	TOTAL		\$ 12,306	
14	5509273	Mapping - Other Mapping - SCV MWC 14	TOTAL		\$ 102	
14	5734818	SCV - MWC 14 planning	TOTAL		-\$ 901	
14	5507666	Econ Stim SA Copper Srv Repl	TOTAL		\$1	
14	5510177 5510178	Econ Stim Pipeline Replacement San Jose Econ Stim Pipeline Replacement San Franc	30820364	R4 G GPRP ATHENS, SF	\$ 6 \$ 21	\$ 42
14	5510178	Econ Stim Pipeline Replacement San Franc	OTHER	N4 0 GFNF ATRENS, SF	\$0	42
14	5510178	Econ Stim Pipeline Replacement San Franc	TOTAL		\$ 21	
14	5510179	Econ Stim PN Copper Inaccessible Tees	TOTAL		\$ 33	
14	5510180	Econ Stim SJ Copper Inaccessible Tees	TOTAL		\$ 0	
14 TOTAL 27	5500885	Meter Protect Capital-East Bay	TOTAL		\$ 60,962 \$ 0	
27 TOTAL	2200000	meter i Toteet Vapitair£ast Bay	TOTAL		\$0	
47	5500748	Incr. Capacity G-DI	30789549	OC1 BYRON MAIN EXTENSION - BIXLER RD BYR	\$ 754	\$ 806
47	5500748	Incr. Capacity G-DI	30820811	MAIN REINFORC - STONE VLLY RD., ALAMO	\$ 462	\$ 604
47	5500748 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 HARLAN RNCH CLOVIS	\$ 25	\$ 571
47	5500750	Incr. Capacity G-FR	OTHER		\$ 0	
47	5500750 5500752	Incr. Capacity G-FR Incr. Capacity G-MI	30747707	OC1 DUBLIN BLVD DUBLIN INSTALL 4100 FT O	\$ 110 \$ 141	\$ 1,186
47	5500752	Incr. Capacity G-MI	OTHER	COT DODEN DEVD DODEN INGTALL 4100 FT O	\$ 85	3 1,100
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 5500755	Incr. Capacity G-NV Incr. Capacity G-NV	30742428 OTHER	OC4 INST 1700FT 6-IN PL, BRUCE RD, CHICO	\$ 386 \$ 5	\$ 572
47	5500755	Incr. Capacity G-NV Incr. Capacity G-NV	TOTAL		\$ 391	
47	5500756	Incr. Capacity G-PN	30783043	OC1 CORDILLERAS REDWOOD CITY	\$ 397	\$ 458
47	5500756	Incr. Capacity G-PN	OTHER		\$ 49	
47	5500756	Incr. Capacity G-PN	TOTAL		\$ 446	
47	5500757	Incr. Capacity G-SA	TOTAL	000 0 4 070 57 851 0051	\$ 231	
47	5500759 5500759	Incr. Capacity G-SJ Incr. Capacity G-SJ	30675123 OTHER	OC2 G 1,270-FT 4"PL:GREATAMERICA PKWY.SC	\$ 94 \$ 7	\$ 281
47	5500759	Incr. Capacity G-SJ	TOTAL	-	\$ 101	
47	5500760	Incr. Capacity G-SI	30798844	INST, 1050" OF 6" PL, ELM ST, LIVE	\$ 291	\$ 298

NVVC	Project No		Orsler	Order Description	YTD Actual	Order Costs Since Inception
47	5500760 5500760	Incr. Capacity G-SI Incr. Capacity G-SI	TOTAL		\$ 52 \$ 343	
47	5500761	Incr. Capacity G-ST	30790929	R5 MCALLEN FROM WILSON TO HOLMAN	\$ 25	
47	5500761	Incr. Capacity G-ST	30797736	+LOCUST, LEE TO SACRAMENTO, LODI +	\$ 331	\$ 338
47	5500761	Incr. Capacity G-ST	OTHER		\$0	
47	5500761 5500762	Incr. Capacity G-ST Incr. Capacity G-YO	TOTAL 30749118	GPCAPACITY:6"HP PARALLEL MAIN OAKDALE	\$ 357 \$ 21	<u> </u>
47	5500762	Incr. Capacity G-YO	30749119	GPCAPACITY: 6"HP PARALLEL MAIN MODESTO	\$ 31	4
47	5500762	Incr. Capacity G-YO	OTHER		\$ 19	danaanaanaan
47	5500762	Incr. Capacity G-YO	TOTAL		\$ 71	
47	5508860 5508860	47C - Con/Acq New Fac-G-Cap-RegSta - PN2 47C - Con/Acq New Fac-G-Cap-RegSta - PN2	30676477 30783042	R2 INSTALL DRS JUNIPERO SERRA STANFORD. BOW DR. & CRESTVIEW DR.	\$ 35	
47	5508860	47C - Con/Acq New Fac-G-Cap-RegSta - PN2	OTHER	BOW BIT, & CITEST VIEW BIT.	\$ 200	4
47	5508860	47C - Con/Acq New Fac-G-Cap-RegSta - PN2	TOTAL		\$ 285	<u> </u>
47	5508861	47C - Cons/Acq New Fac-G-Cap-RegSta - EB	TOTAL		\$ 1	d
47	5508862 5508862	47C - Cons/Acq New Fac-G-Cap-RegSta - DI 47C - Cons/Acq New Fac-G-Cap-RegSta - DI	30813671 OTHER	REBUILD VICTORY DR STATION	\$ 23	
47	5508862	47C - Cons/Acq New Fac-G-Cap-RegSta - DI 47C - Cons/Acq New Fac-G-Cap-RegSta - DI	TOTAL		\$ 25	
47	5508863	47C - Cons/Acq New Fac-G-Cap-RegSta - MI	30786843	OC1 RH-06-INSTALL DR.ST. VERMONT & "B" S	\$ 142	
47	5508863	47C - Cons/Acq New Fac-G-Cap-RegSta - MI	30787989	INST DUAL DR. STATION OSGOOD RD. FREM	\$ 417	4
47	5508863 5508863	47C - Cons/Acq New Fac-G-Cap-RegSta - MI 47C - Cons/Acq New Fac-G-Cap-RegSta - MI	OTHER TOTAL		\$ 0	
47	5508871	47C - Cons/Acq New Fac-G-Cap-RegSta - Wil	TOTAL		\$ 559	
47	5508872	47C - Cons/Acq New Fac-G-Cap-RegSta - NV	TOTAL		\$ 8	d
47	5508873	47C - Cons/Acq New Fac-G-Cap-RegSta - SA	30740781	OC4 VACA VLY & SHELTER COVE - INSTL R	\$ 174	4
47	5508873	47C - Cons/Acq New Fac-G-Cap-RegSta - SA	OTHER		\$ 8	-
47	5508873 5508874	47C - Cons/Acq New Fac-G-Cap-RegSta - SA 47C - Cons/Acq New Fac-G-Cap-RegSta - SI	TOTAL 30810188	REBLD DR MRC-12, 1ST & E ST, WHEAL	\$ 181 \$ 44	d
47	5508874	47C - Cons/Acq New Fac-G-Cap-RegSta - SI	OTHER	NEDED DIVINICO 12, 101 d 2 o 1, 1711 D 12	\$0	
47	5508874	47C - Cons/Acq New Fac-G-Cap-RegSta - SI	TOTAL		\$ 44	i.
47	5508875	47C - Cons/Acq New Fac-G-RegSta - SO	30826697	R4 GD REBUILD DR#733 KENWOOD	\$ 16	
47	5508875 5508875	47C - Cons/Acq New Fac-G-RegSta - SO 47C - Cons/Acq New Fac-G-RegSta - SO	OTHER TOTAL		\$ 0	
47	5508876	47C - Cons/Acq New Fac-G-Cap-RegSta - NB	30797133	G CAP_REG 118 REBUILD_YOUNTVILLE	\$ 22	
47	5508876	47C - Cons/Acq New Fac-G-Cap-RegSta - NB	OTHER		\$0)
47	5508876	47C - Cons/Acq New Fac-G-Cap-RegSta - NB	TOTAL		\$ 22	-ll
47	5508878 5508888	47D - Con/Acq New Fac-G-Cap-Rep/Reg - PN 47D - Con/Acq New Fac-G-Cap-Rep/Reg - ST	TOTAL		\$ 9	-
47	5508891	47E - Con/AcquirNewFacil G-Cap-Betr - SA	TOTAL		\$ 4	
47	5508896	47E - Con/AcquirNewFacil G-Cap-Betr - PN	TOTAL		\$ 0	<u> </u>
47	5508913	47F - Cons/Acquire NewFac G-Cap-Oth - SF	TOTAL		\$ 0	<u> </u>
47	5508916 5508917	47F - Cons/Acquire NewFac G-Cap-Oth - DI 47F - Cons/Acquire NewFac G-Cap-Oth - MI	TOTAL		\$ 3	
47	5508972	47B - Cons/Acq New Fac-G-Cap-Mains - HB	30762994	OC4 GD CAPACITY CENTRAL AVE MCKINLEYVIL	\$ 18	
47	5508972	47B - Cons/Acq New Fac-G-Cap-Mains - HB	OTHER		\$ 15	1
47	5508972	47B - Cons/Acq New Fac-G-Cap-Mains - HB	TOTAL		\$ 33	-
47 47 TOTAL	5509250	Est - Int Est/DesignDist - SCV MWC 47	TOTAL		\$ 4,953	
47 TOTAL 50	5500640	Impr Rei/Dep G-CC	TOTAL		\$ 4,953	
50	5500641	Impr Rel/Dep G-DA	TOTAL		\$ 14	
50	5500643	Impr Rel/Dep G-DI	TOTAL		\$ 48	
50	5500645	Impr Rel/Dep G-EB	TOTAL	CD 244 E OLIVE AVE EDEONO	\$ 30	
50 50	5500646 5500646	Impr Rel/Dep G-FR Impr Rel/Dep G-FR	30805155 OTHER	GP 214 E OLIVE AVE FRESNO	\$ 183	
50	5500646	Impr Rel/Dep G-FR	TOTAL		\$ 408	ļ
50	5500648	Impr Rei/Dep G-KE	TOTAL		\$ 86	
50	5500649	Impr Rel/Dep G-MI	TOTAL	C DM CHOPT CT. VALLE IS	\$ 43	okanananananananananan
50	5500650 5500650	Impr Rel/Dep G-NB Impr Rel/Dep G-NB	30679552 30751625	G RM SHORT ST., VALLEJO OC4 GP RM REPL HWY CROSSING, MAGAZINE ST	\$ 22	
50	5500650	Impr Rel/Dep G-NB	30761915	=P RM REPL CRK CROSSING, LUCAS VLY RD	\$ 19	
50	5500650	Impr Rel/Dep G-NB	30813051	GP REPL MAIN BRIDGEWY BRDWLK SAUSALT	\$ 15	5 \$ 18
50	5500650	Impr Rel/Dep G-NB	30813057	G RM REPL MAIN, ORANGE AVE, NOVATO	\$ 260	
50	5500650 5500650	Impr Rel/Dep G-NB Impr Rel/Dep G-NB	30827211 OTHER	GP RM BUHMAN & TWIN OAKS, NAPA	\$ 668	<u> </u>
50	5500650	Impr Rel/Dep G-NB	TOTAL		\$ 1,068	-{
50	5500651	Impr Rel/Dep G - SO	30679554	G RM PACIFIC AVE., SANTA ROSA -	\$ 18	\$ 44
50	5500651	Impr Rel/Dep G - SO	30810993	R4_ RPL DUTCH & BRAND LN MAIN / PENNGROV	\$ 17	
50 50	5500651 5500651	Impr Rel/Dep G - SO Impr Rel/Dep G - SO	OTHER TOTAL		\$ 46	
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	

MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Inception
50	5500657	Impr Rel/Dep G-PN	OTHER		\$ 195	
50	5500657	Impr Rel/Dep G-PN	TOTAL		\$ 230	
50	5500658	Impr Rel/Dep G-SA	30846074	GP HAZEL AVE BETW. GREENBACK & FORTUNA	\$ 313	\$ 486
50	5500658	Impr Rel/Dep G-SA	OTHER		\$ 473	
50 50	5500658 5500659	Impr Rel/Dep G-SA Impr Rel/Dep G-SF	TOTAL 30759573	OC1 GREPL MAIN CASITAS & CRESTA VISTA.	\$ 786 \$ 489	\$ 631
50	5500659	Impr Rel/Dep G-SF	30761621	OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE	\$ 122	\$ 793
50	5500659	Impr Rel/Dep G-SF	30833648	DOLORES MFRP, SF	\$ 54	\$ 72
50	5500659	Impr Rel/Dep G-SF	OTHER		\$ 204	
50	5500659 5500660	Impr Rel/Dep G-SF Impr Rel/Dep G-SJ	TOTAL		\$ 870 \$ 416	
50	5500661	Impr Rei/Dep G-SI	TOTAL		\$ 148	
50	5500662	Impr Rel/Dep G-ST	30755040	GRANTLINE & L-2 +	\$ 14	\$ 792
50	5500662	Impr Rel/Dep G-ST	30756701	9TH & LINCOLN, STOCKTON	\$ 455	\$ 597
50	5500662	Impr Rel/Dep G-ST	OTHER		\$ 288	
50	5500662 5500663	Impr Rel/Dep G-ST Impr Rel/Dep G-YO	TOTAL 30742231	MERCED PHASE 3 RELIABILITY	\$ 757 \$ 249	\$ 333
50	5500663	Impr Rel/Dep G-YO	0THER	WENGED FRAGE STREEMBERT	\$ 249	3 333
50	5500663	Impr Rel/Dep G-YO	TOTAL		\$ 287	
50	5502643	System-wide unscheduled main replacement	TOTAL		\$ 87	
50	5506942	Imp Rel / Dep, Gas Services - EB	TOTAL		\$ 1,066	
50 50	5506943 5506944	Imp Rel / Dep, Gas Services - MI Imp Rel / Dep, Gas Svcs - CC	TOTAL		\$ 433 \$ 187	
50	5506945	Imp Rel / Dep, Gas Svcs - DA	TOTAL		\$ 110	
50	5506946	Imp Rei / Dep, Gas Svcs - DI	TOTAL		\$ 421	
50	5506947	Imp Rel / Dep, Gas Svcs - FR	TOTAL		\$ 152	
50	5506948	Imp Rel / Dep, Gas Svcs - KE	TOTAL		\$ 122	
50 50	5506949 5506950	Imp Rel / Dep, Gas Svcs - NB Imp Rel / Dep, Gas Svcs - SO	TOTAL		\$ 462 \$ 457	
50	5506951	Imp Rel / Dep, Gas Svcs - NV	TOTAL		\$ 110	
50	5506952	Imp Rel / Dep, Gas Svcs - PN	TOTAL		\$ 460	
50	5506953	Imp Rel / Dep, Gas Svcs - SA	TOTAL		\$ 646	
50	5506954 5506955	Imp Rel / Dep, Gas Svcs - SF Imp Rel / Dep, Gas Svcs - SI	TOTAL		\$ 436 \$ 348	
50	5506956	Imp Rel / Dep, Gas Svcs - SJ	TOTAL		\$ 734	
50	5506957	Imp Rel / Dep, Gas Svcs - ST	TOTAL		\$ 207	
50	5506958	Imp Rel / Dep, Gas Svcs - YO	TOTAL		\$ 144	
50	5506959	Impr Reib/Sys Depnd-G-CP Sys - CC	TOTAL		\$ 61	
50	5506960 5506961	Impr Relb/Sys Depnd-G-CP Sys - DA Impr Relb/Sys Depnd-G-CP Sys - DI	TOTAL		\$ 38	
50	5506962	Impr Reib/Sys Depnd-G-CP Sys - EB	TOTAL		\$ 92	
50	5506963	Impr Relb/Sys Depnd-G-CP Sys - FR	30766290	OC2 2010 INST ANODES (15) FRESNO DIVISN	\$ 363	\$ 434
50	5506963	Impr Relb/Sys Depnd-G-CP Sys - FR	OTHER		\$ 15	
50	5506963	Impr Relb/Sys Depnd-G-CP Sys - FR	TOTAL		\$ 378	
50	5506964 5506966	Impr Relb/Sys Depnd-G-CP Sys - KE Impr Relb/Sys Depnd-G-CP Sys - NB	TOTAL		\$ 16 \$ 63	
50	5506967	Impr Reib/Sys Depnd-G-CP Sys - SO	TOTAL		\$ 134	
50	5506968	Impr Relb/Sys Depnd-G-CP Sys - NV	TOTAL		\$ 85	
50	5506969	Impr Relb/Sys Depnd-G-CP Sys - PN	TOTAL		\$ 13	
50	5506970	impr Reib/Sys Depnd-G-CP Sys - SA impr Reib/Sys Depnd-G-CP Sys - SF	TOTAL		\$ 135 \$ 20	
50	5506971 5506972	Impr Reib/Sys Depnd-G-CP Sys - SF	TOTAL	-	\$ 20	l
50	5506973	Impr Reib/Sys Depnd-G-CP Sys - SJ	TOTAL		\$ 85	
50	5506974	Impr Relb/Sys Depnd-G-CP Sys - ST	TOTAL		\$ 57	
50	5506975	Impr Relb/Sys Depnd-G-CP Sys - YO	TOTAL		\$ 29	
50 50	5506976 5506978	Impr Relb/Sys Depnd-G-Oth Equip - CC Impr Relb/Sys Depnd-G-Oth Equip - DI	TOTAL		\$ 18 \$ 161	
50	5506978	Impr Reib/Sys Depnd-G-Oth Equip - DI	TOTAL		\$ 161	
50	5506980	Impr Relb/Sys Depnd-G-Oth Equip - FR	TOTAL		\$ 2	
50	5506981	Impr Relb/Sys Depnd-G-Oth Equip - KE	TOTAL		\$ 2	
50	5506982	Impr Relb/Sys Depnd-G-Oth Equip - MI	TOTAL		-\$ 5	
50 50	5506983 5506984	Impr Reib/Sys Depnd-G-Oth Equip - NB Impr Reib/Sys Depnd-G-Oth Equip - SO	TOTAL		\$ 76 \$ 11	
50	5506985	Impr Reib/Sys Depnd-G-Oth Equip - NV	TOTAL		\$ 6	
50	5506986	Impr Relb/Sys Depnd-G-Oth Equip - PN	30758821	OC1 INSTIL 400" PL AND ABANDON DR STN 2	\$ 278	
50	5506986	Impr Relb/Sys Depnd-G-Oth Equip - PN	OTHER		\$ 17	
50	5506986	Impr Relb/Sys Depnd-G-Oth Equip - PN	TOTAL		\$ 295	
50 50	5506987	Impr Relb/Sys Depnd-G-Oth Equip - SA Impr Relb/Sys Depnd-G-Oth Equip - SF	TOTAL		\$ 19 \$ 152	
50	5506988 5506989	Impr Reib/Sys Depnd-G-Oth Equip - St	TOTAL	-	\$ 152 -\$ 1	
50	5506990	Impr Relb/Sys Depnd-G-Oth Equip - SJ	TOTAL		\$ 236	

MWC	Project No	Project No Description	Order	Order Description	YTD Actual	Order Costs Since Inception
50	5506991	Impr Relb/Sys Depnd-G-Oth Equip - ST	TOTAL		\$ 43	
50 50	5506992 5506993	Impr Relb/Sys Depnd-G-Oth Equip - YO Impr Relb/Sys Depnd-G-Regs - CC	TOTAL		\$ 23 \$ 331	
50	5506994	Impr Reib/Sys Deprid-G-Regs - DA	30758394	A-10 JUNIPERO & ARASTRADERO BLOCK VALVE	\$ 256	\$ 297
50	5506994	Impr Relb/Sys Depnd-G-Regs - DA	OTHER		\$ 519	
50	5506994	Impr Relb/Sys Depnd-G-Regs - DA	TOTAL	OOL O SETHING CODMINALL OR OTH DITTORUS	\$ 776	
50 50	5506995 5506995	Impr Relb/Sys Depnd-G-Regs - DI Impr Relb/Sys Depnd-G-Regs - DI	30692911 30757351	OC1 G REBUILD CORNWALL DR STN, PITTSBUR OC1 G REBUILD DR STA CRESCENT DR CONC	\$ 28 \$ 19	\$ 485 \$ 424
50	5506995	Impr Relb/Sys Depnd-G-Regs - Di	30757362	OC1 G DR STATION CARION CT PITTSBURG	\$ 11	\$ 262
50	5506995	Impr Relb/Sys Depnd-G-Regs - Df	30812259	REBUILD MARSHALL DRIVE DR STATION	\$ 148	
50 50	5506995 5506995	Impr Relb/Sys Depnd-G-Regs - DI Impr Relb/Sys Depnd-G-Regs - DI	30826505 OTHER	R1 G REBUILD RHEEM DR STATION, MORAGA	\$ 26 \$ 17	\$ 26
50	5506995	Impr Relb/Sys Depnd-G-Regs - DI	TOTAL		\$ 248	
50	5506996	Impr Relb/Sys Depnd-G-Regs - EB	30712896	GP 7TH ST & HENSLEY, RICHMOND	\$ 210	\$ 351
50	5506996	Impr Reib/Sys Depnd-G-Regs - EB	OTHER		\$ 69	
50	5506996 5506997	Impr Relb/Sys Depnd-G-Regs - EB Impr Relb/Sys Depnd-G-Regs - FR	TOTAL 30784975	RBLD DR D-36, WEBER & FARRINGTON, FR	\$ 279 \$ 6	\$ 42
50	5506997	Impr Relb/Sys Depnd-G-Regs - FR	OTHER		\$ 39	- T2-
50	5506997	Impr Relb/Sys Depnd-G-Regs - FR	TOTAL		\$ 46	
50	5506998 5506999	Impr Reib/Sys Depnd-G-Regs - KE Impr Reib/Sys Depnd-G-Regs - Mi	TOTAL		\$ 18 \$ 147	
50	5507000	Impr Reib/Sys Depnd-G-Regs - NB	TOTAL		\$ 147	
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	30762547	G GREPLACE REG STA R42 / DEPOT ST / GEYS	\$ 195	\$ 364
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	30785447	GR-UPGRADE R585-BROADWAY&MACARTHUR,SON	\$ 28	
50 50	5507001 5507001	Impr Relb/Sys Depnd-G-Regs - SO Impr Relb/Sys Depnd-G-Regs - SO	30803970 OTHER	R7 12 REPL U25 REG STA / UKIAH	\$ 57 \$ 19	\$ 82
50	5507001	Impr Relb/Sys Depnd-G-Regs - SO	TOTAL		\$ 299	
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30753589	R6 GD REBUILD RED BLUFF DR 103	\$ 34	\$ 61
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30754754	OC4 R-003 ORLAND TERTIARY RBLD, WOODWAR	\$ 275	\$ 669
50 50	5507002 5507002	Impr Relb/Sys Depnd-G-Regs - NV Impr Relb/Sys Depnd-G-Regs - NV	30755085 30755086	ORB-006 MYERS & IDORA RBLD, OROVILLE ORB-01 12TH & ORO DAM, OROVILLE	\$ 529 \$ 240	\$ 686 \$ 283
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30755087	ORB-38, E. GRIDLEY RD, GRIDLEY	\$ 62	\$ 71
50	5507002	Impr Relb/Sys Depnd-G-Regs - NV	30774980	D-S REBUILD DR-56 WONDERLND, MTN GAT	\$ 254	\$ 290
50 50	5507002 5507002	Impr Relb/Sys Depnd-G-Regs - NV Impr Relb/Sys Depnd-G-Regs - NV	OTHER TOTAL		\$ 505 \$ 1,898	
50	5507002	Impr Relb/Sys Depnd-G-Regs - PN	30741812	R7 C45 STANFORD-WELLESLEY FILTER, RTA	\$ 15	\$ 63
50	5507003	Impr Relb/Sys Depnd-G-Regs - PN	30741815	A89 CHRISTIAN & RALSTON, BELMONT	\$ 22	\$ 53
50	5507003	Impr Reib/Sys Depnd-G-Regs - PN	OTHER		\$ 686	
50 50	5507003 5507004	Impr Relb/Sys Depnd-G-Regs - PN Impr Relb/Sys Depnd-G-Regs - SA	30714055	OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL	\$ 723 \$ 20	\$ 382
50	5507004	Impr Relb/Sys Depnd-G-Regs - SA	30787993	R4 NEW REG STATION - POWER INN & CUCAM	\$ 38	\$ 51
50	5507004	Impr Relb/Sys Depnd-G-Regs - SA	OTHER		\$ 157	
50	5507004 5507005	Impr Relb/Sys Depnd-G-Regs - SA Impr Relb/Sys Depnd-G-Regs - SF	30759576	OC1 G REPL R-11 DEWEY & LAGUNA HONDA, SF	\$ 216 \$ 495	\$ 820
50	5507005	Impr Relb/Sys Depnd-G-Regs - SF	OTHER	001 0165 21011 02512 02510 00111010000	\$ 38	0 020
50	5507005	Impr Relb/Sys Depnd-G-Regs - SF	TOTAL		\$ 533	
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	\$ 30
50	5507006	Impr Relb/Sys Depnd-G-Regs - SI Impr Relb/Sys Depnd-G-Regs - SI	TOTAL		\$ 40	
50	5507007	Impr Relb/Sys Depnd-G-Regs - SJ	TOTAL		\$ 58	
50	5507008	Impr Relb/Sys Depnd-G-Regs - ST	TOTAL		\$ 48	
50 50	5507009 5507010	Impr Relb/Sys Depnd-G-Regs - YO Impr Relb/Sys Depnd-G-Valves - CC	TOTAL		\$ 7 \$ 352	
50	5507010	Impr Reib/Sys Depnd-G-Valves - Di	TOTAL	 	\$ 352	
50	5507013	Impr Relb/Sys Depnd-G-Valves - EB	TOTAL		\$ 216	
50	5507014	Impr Relb/Sys Depnd-G-Valves - FR	TOTAL		\$ 82 \$ 28	
50 50	5507015 5507016	Impr Relb/Sys Depnd-G-Valves - KE Impr Relb/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 50	5507019 5507020	Impr Reib/Sys Depnd-G-Valves - NV Impr Reib/Sys Depnd-G-Valves - PN	TOTAL	-	\$ 148 \$ 14	-
50	5507020	Impr Reib/Sys Depnd-G-Valves - FN	TOTAL		\$ 99	
50	5507022	Impr Relb/Sys Depnd-G-Valves - SF	TOTAL		\$ 400	
50	5507024	Impr Relb/Sys Depnd-G-Valves - SJ	TOTAL	DOL DEDL VALVED OTUD 64 EDECADO A 1916	\$ 35	
50 50	5507025 5507025	Impr Relb/Sys Depnd-G-Valves - ST Impr Relb/Sys Depnd-G-Valves - ST	30762887 OTHER	R2L REPL VALVES STHP-24, FRESNO & NAVY +	\$ 398 \$ 324	\$ 620
50	5507025	Impr Reib/Sys Depnd-G-Valves - ST	TOTAL		\$ 722	
50	5507026	Impr Relb/Sys Depnd-G-Valves - YO	TOTAL		\$ 290	
50	5508123	North Coast Service Replacements HB - Impr Rel/Dep G	TOTAL		\$ 1 \$ 106	

					YTD (Order Costs
MWC	Project No	Project No Description	Order	Order Description	Actual	Since Inception
50	5509085	HB - Impr Rel / Dep. Gas Svcs	TOTAL	<u></u>	\$ 82	
50	5509100	HB - Impr Relb/Sys Depnd-G-Regs	30767694	R7 RC REBUILD REGULATOR STA R13 / EUREKA	\$ 54	\$ 81
50	5509100	HB - Impr Relb/Sys Depnd-G-Regs	OTHER		\$ 258	
50 50	5509100 5509101	HB - Impr Relb/Sys Depnd-G-Regs HB - Impr Relb/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	5509277 5710899	Mapping - Other Mapping - SCV MWC 50	TOTAL		\$ 18 \$ 145	
50	5710899	mp Rel / Dep, Gas Svcs - DA mp Rel / Dep, Gas Svcs - FR	TOTAL		\$ 145	
50	5710905	Imp Rel / Dep, Gas Svcs - NB	TOTAL		\$ 2	
50	5710910	Imp Rel / Dep, Gas Svcs - SF	TOTAL		\$ 13	
50	5710911 5712641	imp Rel / Dep, Gas Svcs - SJ impr Relb/Sys Depnd-G-CP Sys - MI	TOTAL		\$ 5 \$ 1	
50	5737258	MWC 50 SCV Allocation	TOTAL		-\$ 387	
50	5510176	Econ Stim Imp Rel / Dep G Remote CP SA	TOTAL		\$ 0	
50 50	5510239	Econ Stim Impr Rel/Dep G-SA	TOTAL	D2 MODESTO DELIABBLITY BUASE 4. MODESTO	\$ 7	p. 21
50	5510240 5510240	Econ Stim Impr Rel/Dep G-YO Econ Stim Impr Rel/Dep G-YO	30814788 OTHER	R2 MODESTO RELIABILITY PHASE 1 - MODESTO	\$ 13 \$ 0	\$ 10
50	5510240	Econ Stim Impr Rel/Dep G-YO	TOTAL		\$ 13	
50 TOTAL		D. J.D. J.O. C.O.	1 22		\$ 24,253	
52 52	5500664 5500665	Repl Plant Corr G-CC Repl Plant Corr G-DA	TOTAL		\$ 30 \$ 24	
52	5500666	Repl Plant Corr G-DI	TOTAL		\$ 6	
52	5500667	Repi Plant Corr G-EB	TOTAL		\$ 2	
52	5500670	Repi Plant Corr G-FR	TOTAL		\$ 0	
52 52	5500672 5500674	Repl Plant Corr G-KE Repl Plant Corr G-MI	TOTAL		\$ 0 -\$ 2	
52	5500675	Repl Plant Corr G-NB	TOTAL		\$ 80	
52	5500737	Repl Plant Corr G - SO	TOTAL		\$ 0	
52 52	5500738 5500739	Repl Plant Corr G-NV Repl Plant Corr G-PN	TOTAL		-\$ 5 \$ 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	Repi Plant Corr G-ST	TOTAL		\$ 1	
52	5500745	Repl Plant Corr G-YO	TOTAL		\$ 3	
52	5509104	HB - Repl Plant Corr G	TOTAL		\$1	
52 52	5509324 5509328	Emerg Resp-G-Dig-Ins - HB Emerg Resp-G-Dig-Ins - NB	TOTAL		\$ 62	
52	5509330	Emerg Resp-G-Dig-Ins - PN	TOTAL		\$ 30	
52	5509331	Emerg Resp-G-Dig-Ins - SA	TOTAL		\$ 12	
52 52 TOTAL	5509334	Emerg Resp-G-Dig-Ins - SJ	TOTAL		\$ 11 \$ 366	
2J	5742638	PRESIDIO LNG INJECTION PROJECT, SF	TOTAL		\$ 37	
2J	5742639	SBI Gas Distribution Restoration	TOTAL		\$ 29	
2J TOTAL		E OA LERE O ARE OO			\$ 66	
2K	5510222 5510230	Econ Stim HPR Convert Main-CC Econ Stim HPR Convert Main-NB	TOTAL		\$ 12 \$ 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	TOTAL		\$ 2 \$ 150	
2K	5510238	Econ Stim HPR Convert Main-SJ Econ Stim HPR Convert Main-ST	30840277	R2 CONVERT JAHANT RD DFM TO DISTRIBUTION	\$ 150	\$ 18
2K	5510238	Econ Stim HPR Convert Main-ST	OTHER	The second secon	\$ 7	
2K	5510238	Econ Stim HPR Convert Main-ST	TOTAL		\$ 19	
2K 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 SHOREWAY DR BELMONT	\$ 48	\$ 19
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	30676310	OC1 TOWER ROAD HPR TO DRS	\$ 49	\$ 669
2K	5510270	Econ Stim HPR Convert Distr Reg-PN	OTHER		\$ 2	
2K 2K	5510270 5510271	Econ Stim HPR Convert Distr Reg-PN Econ Stim HPR Convert Distr Reg-SA	TOTAL		\$ 99	
2K	5510271	Econ Stim HPR Convert Distr Reg-SJ	TOTAL		\$ 0	
2K	5510275	Econ Stim HPR Convert Distr Reg- SO	TOTAL		\$ 0	
2K	5510277	Econ Stim HPR Convert Distr Reg-YO	TOTAL		\$ 1	
2K 2K	5510280 5510283	Econ Stim HPR Replacement-DA Econ Stim HPR Replacement-FR	TOTAL	-	\$ 133 \$ 11	
2K	5510285	Econ Stim HPR Replacement-KE	TOTAL		\$ 1	
2K	5510287	Econ Stim HPR Replacement-NB	TOTAL		\$ 125	

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

5. O&M Spending by Major Work Category

Request

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

Response

Table 5-1 provides a summary, by expense MWC, of the spending from January 1 through June 30, 2011, on gas distribution pipeline safety, reliability and integrity.

TABLE 5-1

PACIFIC GAS AND ELECTRIC COMPANY

SUMMARY OF EXPENSE SPENDING ON O&M FOR SAFETY, INTEGRITY AND RELIABILITY

(IN THOUSANDS OF 2011 DOLLARS)

MWC	MWC Description	Actuals 1/1 - 6/30
DE	Leak Survey	9,669
DF	Mark & Locate - G&E	12,823
DG	Cathodic Protection	5,101
EX	Meter Protection-Inspect&Corr	28
FG	Opr Distribution Sys - Gas	1,756
FH	Preventive Maintenance Gas	14,026
FI	Perf Maint to Corr Fail - Gas	18,738
GF	Opr Distribution Sys - Gas Map	474
GG	Opr Distribution Sys - Gas Eng	890
JS	G Dist Integrity Mgt Pgm (DIMP)	5,957
KF	GT&D Impl Regulatory Change	319
Gas 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	Projects that do not anticipate anymore construction charges but still require documentation, such as as-builts and job closure documents.	17
Construction	Projects that are currently being constructed.	48
Pre-Construction	Projects that are being evaluated for financial authorization or pending third-party permits.	19
Design	Projects that are currently being engineered or estimated.	2
	Total	124

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

		2011	Bud	get	2011 Actual Through June		hrough	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	Bud	get	2011 Actua Jui		hrough	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		Association and the second and the s
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.

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

tion - Min	Davis of Otal	Order	Desired Nove	Planned	Actual	Actual	Forecasted
Line No:	Project Status	Number	Project Name	Construction	Construction	Construction	Constructio
	Gl-t-	30829626	OCA E O ORDER COEAN AND DIVINOUELL OF	Start Date	Start Date	Finish Date	Finish Dat
1	Complete		OC1 E G GPRP OCEAN AND PLYMOUTH, SF	3/10/11	2/16/11	5/9/11	
2	Complete Complete	30815779	OC1 G GPRP HOLLYPARK 1 (100 APPLETON AVE OC1 G GPRP SUNSET 2, SF	1/26/11	12/10/10	7/11/11	
3		30807801		1/3/11	10/29/10	6/30/11	ļ
4	Complete	30805155	GP 214 E OLIVE AVE FRESNO	10/15/10	9/24/10	10/26/10	
5 6	Complete	30804481 30793853	OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN	1/25/11	11/20/10	5/10/11	
7	Complete		OC2 REPL. MAIN HEIGHT & BERKELEY ST, BAK.	10/20/10	9/27/10	3/24/11	
	Complete	30789549	OC1 BYRON MAIN EXTENSION - BIXLER RD BYR	10/4/10	8/11/10	5/12/11	
8	Complete	30786843	OC1 RH-06-INSTALL DR.ST. VERMONT & "B" S	8/2/10	7/19/10	3/11/11	
9	Complete	30784111	OC2 CAPACITY INCREASE HARLAN RNCH CLOVIS	7/20/10	7/26/10	3/17/11	
10	Complete	30783043	OC1 CORDILLERAS REDWOOD CITY	7/21/10	7/12/10	2/17/11	
11	Complete	30766290	OC2 2010 INST ANODES (15) FRESNO DIVISN	6/7/10	5/12/10	4/27/11	
12	Complete	30762994	OC4 GD CAPACITY CENTRAL AVE MCKINLEYVIL	3/22/10	3/12/10	10/28/10	
13	Complete	30761621	OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE	5/3/10	4/6/10	4/22/11	
14	Complete	30760327	OC1 REPL 700' OF 2" WITH 2"PL ESPL, PAC	9/13/10	9/7/10	11/17/10:	
15	Complete	30759576	OC1 G REPL R-11 DEWEY & LAGUNA HONDA, SF	3/29/10	2/25/10	6/24/11	
16	Complete	30759573	OC1 GREPL MAIN CASITAS & CRESTA VISTA,	3/29/10	2/26/10	7/21/11	
17	Complete	30758821	OC1 INSTIL 400" PL AND ABANDON DR STN 2	4/1/10	5/5/10	6/8/11	
18	Complete	30757362	OC1 G DR STATION CARION CT PITTSBURG	3/24/10	2/11/10	1/10/11	
19	Complete	30754774	OC1 G GPRP HOLLY PARK 1 SF	6/2/10	2/1/10	1/31/11	
20	Complete	30754768	OC1 G GPRP STAPLES SAN FRANCISCO	7/19/10	1/22/10	1/14/11	
21	Complete	30753677	OC1 G GPRP BAYVIEW 2 SAN FRANCISCO	7/1/10	4/21/10	1/12/11	
22	Complete	30751625	OC4 GP RM REPL HWY CROSSING, MAGAZINE ST	9/1/10	1/6/10	12/1/10	
23	Complete	30749119	GPCAPACITY:6"HP PARALLEL MAIN MODESTO	2/9/10	12/16/09	11/1/10	
24	Complete	30747707	OC1 DUBLIN BLVD DUBLIN INSTALL 4100 FT O	3/8/10	1/20/10	3/18/11	
25	Complete	30742428	OC4 INST 1700FT 6-IN PL, BRUCE RD, CHICO	11/10/09	11/13/09	6/17/11	
26	Complete	30741372	OC2 GPRP THIRD STREET OAKDALE PHASE 2	1/11/10	11/4/09	12/20/10	
27	Complete	30740781	OC4 VACA VLY & SHELTER COVE - INSTL R	1/4/10	12/1/09	5/13/11	
28	Complete	30737291	OC4 GPRP I STREET PETALUMA	4/19/10	10/14/09	2/11/11:	
29	Complete	30737244	OC4 GPRP SANTA MARGARITA, SAN RAFAEL	9/1/10	10/14/09	10/29/10	
30	Complete	30714055	OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL	7/23/09	5/29/09	6/27/11	
31	Complete	30692911	OC1 G REBUILD CORNWALL DR STN, PITTSBUR	3/30/09	2/23/09	1/31/11.	
32	Complete	30675123	OC2 G 1,270-FT 4"PL:GREATAMERICA PKWY,SC	4/1/10	12/23/08	4/5/11	
33	Complete	30674922	OC1 G GPRP GEARY 4 SAN FRANCISCO	5/10/10	12/8/09	3/1/11	
34	Complete	30674899	OC1 G GPRP SAINT FRANCIS 4, SF	7/1/10	12/8/08	3/10/11	
35	Complete	30649246	OC1 GPRP BALBOA TERRACE, SAN FRANCISCO	5/28/10	2/18/09	11/30/10	
36	Complete	30616134	OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE	2/8/10	10/22/08	2/10/11	
37	Complete	30616130	OC4 GP PRP ELIZABETH @ MASON, VACAVILLE	3/2/09	10/21/08	1/26/11	
38	Complete	30616128	OC4 G PRP DOBBINS @ KENDAL, VACAVILLE	3/2/09	10/21/08	11/19/10	
39	Documentation	30835636	OC4 GD GPRP FIRST ST WEST, SONOMA -	2/16/11	2/18/11	6/17/11	
40	Documentation	30807861	OC1 GPRP CAPITOL 3, SAN FRANCISCO	10/25/10	10/14/10		8/8
41	Documentation	30807391	HUNTINGTON & 5TH 2011 GPRP FRESNO	11/4/10	12/11/10		8/5
42	Documentation	30806816	OC1 R4E G GPRP SAN BRUNO, SF	10/1/10	10/16/10		8/
43	Documentation	30798844	INST. 1050' OF 6" PL, ELM ST, LIVE	1/12/11	10/15/10	6/13/11	
44	Documentation	30797736	+LOCUST, LEE TO SACRAMENTO, LODI +	10/4/10	8/24/10	5/2/11	
45	Documentation	30762887	R2L REPL VALVES STHP-24, FRESNO & NAVY +	10/18/10	3/10/10	8/4/11	
46	Documentation	30758394	A-10 JUNIPERO & ARASTRADERO BLOCK VALVE	7/2/10	8/14/10	3/7/11	
47	Documentation	30757861	R2 INST 17000 FT OF 8" PL MAIN FRESNO	4/28/10	3/25/10	3/9/11	
48	Documentation	30757351	OC1 G REBUILD DR STA CRESCENT DR CONC	3/16/10	2/11/10	12/7/10	
49	Documentation	30756701	9TH & LINCOLN, STOCKTON	6/25/10	2/4/10	4/7/11:	
50	Documentation	30755040	GRANTLINE & L-2 +	3/10/10	1/25/10	10/4/10	
51	Documentation	30754754	OC4 R-003 ORLAND TERTIARY RBLD, WOODWAR	4/13/10	2/10/10		7/28
52	Documentation	30753678	G PARK AVENUE GPRPSAN JOSE	6/17/10	1/15/10	3/11/11	

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

		Order		Planned	Actual	Actual	Forecasted
Line No:	Project Status	Number	Project Name	Construction	Construction	Construction	Constructio
53	Documentation		WEST FRESNO GPRP 2010	Start Date	Start Date	Finish Date	Finish Date
53 54	Documentation	30750011 30680560	G S 12TH & S 13TH ST, SAN JOSE GPRP	1/12/10 2/19/09	2/2/10 12/23/08	1/21/11 3/8/10	*****
55	Documentation	30668852	GPRP:LOCUST&WASHINGTON, LODI PHAS	2/17/09	11/5/08	6/29/11	
56	Construction	30846074	GP HAZEL AVE BETW. GREENBACK & FORTUNA	4/22/11	4/29/11		7/13/1
57	Construction	30840277	R2 CONVERT JAHANT RD DFM TO DISTRIBUTION	5/2/11	3/16/11		6/18/201
58	Construction	30835701	GPRP GROVE HILL AVE, SAN ANSELMO	1/5/11	3/4/11		10/28/1
59	Construction	30829620	M GPRP - CONGO 1 - SF	1/24/11	4/13/11		12/30/1
60	Construction	30827211	GP RM BUHMAN & TWIN OAKS, NAPA	1/18/11	1/8/11		12/29/1
61	Construction	30823194	M GPRP CRESCENT 3, SAN FRANCISCO	12/17/10	2/17/11		10/21/1
62	Construction	30821601	R1 E G GPRP BERNAL HEIGHTS, SF	1/18/11	3/31/11		1/12/1
63 64	Construction Construction	30821410 30820811	G GPRP JOOST, SF OC1 MAIN REINFORC - STONE VLLY RD., ALAM	2/22/11	4/6/11 1/26/11		3/27/1 7/23/1
65	Construction	30820364	R4 G GPRP ATHENS, SF	2/24/11 12/6/10	1/5/11		11/30/
66	Construction	30820278	G GPRP BALBOA PARK 4, SF	12/6/10	3/14/11		6/26/
67	Construction	30814275	R2L GP WINDSOR, ALAMEDA GPRP	1/3/11	11/23/10		11/10/
68	Construction	30813057	G RM REPL MAIN, ORANGE AVE, NOVATO	12/2/10	12/7/10		6/30/
69	Construction	30813051	GP REPL MAIN BRIDGEWY BRDWLK SAUSALT	12/13/10	12/30/10		8/31/
70	Construction	30812259	REBUILD MARSHALL DRIVE DR STATION	12/8/10	1/6/11		8/19/1
71	Construction	30810294	BERKELEY GPRP - PHASE 2: PRINCE/TELEG	10/18/10	11/1/10		9/30/
72	Construction	30810188	REBLD DR MRC-12, 1ST & E ST, WHEAL	3/3/11	10/21/10		9/1/1
73	Construction	30808712	HUNTINGTON & TULARE 2011 GPRP FRESNO	12/7/10	11/6/10		9/18/
74	Construction	30808590	GPRP MISSION DISTRICT 4, SAN FRAN R4E G GPRP 18TH ST. SAN FRANCISCO	1/18/11	2/11/11		11/30/
75 76	Construction Construction	30808261 30808260	G GPRP BAYVIEW 3. SAN FRANCISCO	11/1/10	12/17/10 11/30/10		12/22/ 12/22/
77	Construction	30808280	G GPRP SOUTH VALENCIA 5, SAN FRANCIS	1/3/11	11/20/10		12/22/
78	Construction	30808140	G GPRP PERSIA. SAN FRANCISCO	10/8/10	11/20/10		11/30/1
79	Construction	30808096	G GPRP SUNSET 3, SF	10/8/10	10/25/10		12/30/
80	Construction	30807977	G GPRP OCEANVIEW, SAN FRANCISCO	10/7/10	11/23/10		12/22/1
81	Construction	30807430	HUNTINGTON & 8TH GPRP 2011 FRESNO	12/13/10	4/13/11		11/25/201
82	Construction	30806817	R4E GPRP MISSION DISTRICT 3, SAN FRANC	9/29/10	10/25/10		8/12/20
83	Construction	30806814	G GPRP OXFORD, SF	10/1/10	10/19/10		12/22/20
84	Construction	30806806	M027972GPRP OUTER MISSION 2	9/24/10	10/19/10		9/30/20
85	Construction	30804511	REPL LP GPRP 14TH & H, MARYSVILLE	1/3/11	11/30/10		12/30/20
86	Construction	30801105	G HAROLD AVE GPRP, SJ	10/8/10	9/21/10		12/30/20
87 88	Construction Construction	30797133 30796765	G CAP_REG 118 REBUILD_YOUNTVILLE HOOVER GPRP (2011 CRITICAL PROJECT)	9/22/10	8/19/10		3/22/201
89	Construction	30795703	RED BLUFF GPRP CEDAR & JACKSON	9/17/10	10/12/10 2/10/11		11/29/20
90	Construction	30787989	INST DUAL DR. STATION OSGOOD RD. FREM	8/31/10	8/2/10		4/27/20
91	Construction	30785447	GR-UPGRADE R585-BROADWAY&MACARTHUR,SON	9/10/10	8/20/10		9/5/20
92	Construction	30783042	BOW DR. & CRESTVIEW DR.	7/16/10	8/27/10		8/31/20
93	Construction	30774980	D-S REBUILD DR-56 WONDERLND, MTN GAT	5/31/10	12/8/10		6/17/20
94	Construction	30762547	G GREPLACE REG STA R42 / DEPOT ST / GEYS	4/5/10	10/15/09		1/28/201
95	Construction	30755086	ORB-01 12TH & ORO DAM, OROVILLE	8/16/10	2/8/10		9/30/20
96	Construction	30755085	ORB-006 MYERS & IDORA RBLD, OROVILLE	5/17/10	2/8/10		7/20/20
97	Construction	30749118	GPCAPACITY:6"HP PARALLEL MAIN OAKDALE	5/4/10	12/16/09		10/1/20
98 99	Construction Construction	30746089 30742231	PH 1 BERRYESSA RD SAN JOSE GPRP-2010 MERCED PHASE 3 RELIABILITY	4/27/10 4/20/10	12/1/09		3/21/20
100	Construction	30742231	A89 CHRISTIAN & RALSTON, BELMONT	8/6/10	11/9/09 11/18/09		6/10/20 12/31/20
101	Construction	30736194	OC1 GPRP REDWOOD CITY	1/11/10	1/20/10		5/16/20
102	Construction	30712896	GP 7TH ST & HENSLEY, RICHMOND	5/21/09	11/24/09		12/31/20
103	Construction	30676310	OC1 TOWER ROAD HPR TO DRS	8/13/09	12/8/08		7/5/
104	Pre-construction	30833648	DOLORES MFRP, SF	5/9/11			10/21/20
105	Pre-construction	30826697	R4 GD REBUILD DR#733 KENWOOD	3/7/11			11/10/20
106	Pre-construction	30826696	GD GPRP WEST AND VARIOUS, PETALUMA	3/11/11			12/29/20
107	Pre-construction	30826505	R1 G REBUILD RHEEM DR STATION, MORAGA	1/17/11			3/1/20
108	Pre-construction	30814788	R2 MODESTO RELIABILITY PHASE 1 - MODESTO	2/14/11			3/16/20
109	Pre-construction	30813671	REBUILD VICTORY DR STATION R4 RPL DUTCH & BRAND LN MAIN / PENNGROV	1/19/11			11/30/20
110	Pre-construction Pre-construction	30810993 30803970		3/28/11			11/23/20
112	Pre-construction Pre-construction	30803970	R7 12 REPL U25 REG STA / UKIAH R2 MCALLEN FROM WILSON TO HOLMAN	2/1/11 8/17/10			2/29/20 10/7/20
113	Pre-construction	30787993	R4 NEW REG STATION - POWER INN & CUCAM	9/13/10			11/16/20
114	Pre-construction	30784975	RBLD DR D-36, WEBER & FARRINGTON, FR	12/31/10			7/27/20
115	Pre-construction	30767694	R7 RC REBUILD REGULATOR STA R13 / EUREKA	8/30/10			10/31/20
116	Pre-construction	30761915	=P RM REPL CRK CROSSING, LUCAS VLY RD	5/25/10			9/23/20
117	Pre-construction	30755087	ORB-38, E. GRIDLEY RD, GRIDLEY	7/23/10			5/25/20
118	Pre-construction	30753589	R6 GD REBUILD RED BLUFF DR 103	5/10/10			3/30/20
119	Pre-construction	30679554	G RM PACIFIC AVE., SANTA ROSA -	2/3/09			3/30/20
120	Pre-construction	30679552	G RM SHORT ST., VALLEJO	1/8/09			10/28/20
121	Pre-construction	30676477	R2 INSTALL DRS JUNIPERO SERRA STANFORD.	3/23/09			12/30/20
122	Pre-construction	30676390	R1 SHOREWAY DR BELMONT	5/15/09			9/30/20
123	Design	30799615	R4E REBUILD DR MRC-10, OLIVEHRST	11/29/10			9/28/20

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 (1/1/2011 to 6/30/2011)		1/1/2011 to Inception		
30616128	OC4 G PRP DOBBINS@ KENDAL, VACAVILLE	\$	26.55	\$	491.42		
30616130	OC4 GP PRPELIZABETH@ MASON, VACAVILLE	\$	63.47	\$	718.35		
30616134	OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE	\$	167.89	\$	1,703.30		
30649246	OC1 GPRP BALBOA TERRACE, SAN FRANCISCO	\$	19.94	\$	2,087.84		
30674899	OC1 G GPRP SAINT FRANCIS 4, SF	\$	68.32	\$	1,608.69		
30674922	OC1 G GPRP GEARY 4 SAN FRANCISCO	\$	82.97	\$	4,099.49		
30675123	OC2G 1,270-FT4"PL:GREATAMERICAKWY,SC	\$	94.06	\$	281.25		
30692911	OC1 G REBUILD CORNWALL DR STN, PITTSBUR	\$	28.19	\$	484.75		
30714055	OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL	\$	20.48	\$	381.78		
30737244	OC4 GPRP SANTA MARGARITA, SAN RAFAEL	\$	37.02	\$	391.62		
30737291	OC4 GPRPISTREETPETALUMA	\$	85.41	\$	1,073.09		
30740781	OC4 VACAVLY & SHELTERCOVE-INSTLR	\$	173.72	\$	409.98		
30741372	OC2GPRPTHIRDSTREETOAKDALEPHASE2	\$	35.31	\$	753.95		
30742428	OC4 INST 1700FT 6-IN PL, BRUCE RD, CHICO	\$	386.24	\$	572.20		
30747707	OC1 DUBLIN BLVD DUBLIN INSTALL 4100 FT O	\$	140.69	\$	1,186.00		
30749119	GPCAPACITY:6"HP PARALLEL MAIN MODESTO	\$	30.98	\$	770.65		
30751625	OC4 GP RM REPL HWY CROSSING, MAGAZINE ST	\$	50.39	\$	626.01		
30753677	OC1 G GPRP BAYVIEW 2 SAN FRANCISCO	\$	263.86	\$	2,950.88		

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

Order Number	Project Description	1 '	Cost (1/1/2011 to 6/30/2011)		ostSince nception Ending 5/30/2011
30754768	OC1 G GPRP STAPLES SAN FRANCISCO	\$	238.81	\$	1,439.37
30754774	OC1 G GPRP HOLLY PARK 1 SF	\$	334.06	\$	3,242.10
30757362	OC1 G DR STATION CARION CT PITTSBURG	\$	11.31	\$	261.97
30758821	OC1 INSTLL 400" PL AND ABANDON DR STN 2	\$	277.82	\$	290.23
30759573	OC1 GREPL MAIN CASITAS & CRESTA VISTA,	\$	489.08	\$	631.37
30759576	OC1 G REPL R-11 DEW EY & LAGUNA HONDA, SF	\$	495.03	\$	820.47
30760327	OC1 REPL 700' OF 2" WITH 2"PL ESPL. PAC	\$	35.66	\$	244.24
30761621	OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE	\$	122.38	\$	792.74
30762994	OC4 GD CAPACITY CENTRAL AVE MCKINLEYVIL	\$	18.11	\$	521.13
30766290	OC2 2010 INST ANODES (15) FRESNO DIVISN	\$	362.71	\$	434.06
30783043	OC1 CORDILLERAS REDWOOD CITY	\$	396.59	\$	457.76
30784111	OC2 CAPACITY INCREASE HARLAN RNCH CLOVIS	\$	24.70	\$	571.19
30786843	OC1 RH-06-INSTALL DR.ST, VERMONT & "B" S	\$	142.00	\$	1,016.08
30789549	OC1 BYRON MAIN EXTENSION - BIXLER RD BYR	\$	754.16	\$	806.11
30793853	OC2 REPL. MAIN HEIGHT & BERKELEY ST,BAK.	\$	23.58	\$	331.71
30804481	OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN	\$	408.36	\$	408.77
30805155	GP 214 E OLIVE AVE FRESNO	\$	183.36	\$	343.61
30807801	OC1 G GPRP SUNSET 2, SF	\$	2,839.06	\$	2,847.79
30815779	OC1 G GPRP HOLLYPARK 1 (100 APPLETON AVE	\$	357.74	\$	488.81
30829626	OC1 E G GPRP OCEAN AND PLYMO UTH, SF	1 \$	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	.04	, m
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
					/1// (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
				-		-		7,05507,755,675		
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
	7/2/1997 (1997) 1997 (1997) 1997 (1997) 1997 		970704753322		/#/www.xc/xc///2	<i>(1977) (1978)</i> 	\$\$5650/X/ <i>00</i> 9	(477/388) (37/39/98 	17 3 3 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	/91919/1/1929/7//
Meter Protection Relocations (MPP)	Services Relocated	76	8,289	630	0		0	40	8,289	332
MWC 27 MPP Total				630	<u> </u>		0		300000000000000000000000000000000000000	332
MWC 52 Emergency Response Total	/1988/1039/2027/6/88/2009/88/2027/6/		1977/7/2014/2019/20	280	T	<u> </u>	366	<u> </u>	A1820-1777791977.67703	656
		280199990	188701777759		100000000000000000000000000000000000000	X/27/28/16/16/2		77/77/18/18/07/17	12/////////////////////////////////////	18.16/32/01/43
MWC 2J GT&D Impl Reg Change Total							66			66
		2828788778	新楼里//数温楼	Utrykiyyyi akk	PARAMETER STATE			arimatikan		
Cust High Pressure Reg (HPR)	HPR Replace/Remove						761	500	30,000	15,000
MWC 2K HPR Total							761			15,000
Total				167,300			91,361			191,151

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

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

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

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

⁵ See narrative discussion on this item.

In Application 09-12-020, PG&E forecast the number of units it expected to complete within broad project categories, such as Gas Pipeline Replacement Program (GPRP) and Gas Distribution New Capacity. In total, PG&E expects to spend over \$23 million more than the capital forecasted in GRC Application 09-12-020 for gas distribution pipeline safety, integrity and reliability-related capital programs. Specifically, PG&E expects to spend more on capacity, reliability main and service replacements and regulator stations than forecasted in Application 09-12-020. However, PG&E expects to spend less than originally forecast on GPRP, Cathodic Protection (CP), Electronic Pressure Monitoring, CP Remote Monitoring and Meter Protection.

MWC 14 – Gas Pipeline Replacement Program. In PG&E's testimony in Application 09-12-020, PG&E stated: "The financial forecast for MWC 14 for the years 2011-2013 was developed assuming the continuation of the GPRP and CSRP [Copper Service Replacement Program]. As DIMP is developed, funding for the traditional GPRP and CSRP programs will be reallocated to support new DIMP-driven expenditures." (Exhibit PG&E-3, Chapter 19, p. 19-4.) PG&E plans to spend \$16.7 million less than the Application 09-12-020 forecast. The decreased GPRP spending in 2011 compared to the original GRC forecast is being offset by increased spending on CSRP, reliability main replacements with equivalent priorities to GPRP, and reliability regulator stations. PG&E plans to spend \$20.7 million more than forecasted in Application 09-12-020 for CSRP. reliability main replacements, and regulator stations. Though PG&E does not expect to spend the GPRP full amount forecast in Application 09-12-020, PG&E does expect to spend more on GPRP than allocated in the Settlement Agreement. PG&E expects to request additional funding in a future rate case for GPRP, but this funding would supplement, rather than replace, the funding received through the Settlement Agreement.

<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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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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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	į	Map#	# of Locations on Map	Related Job #	Gomments Cause for Discrepancy	CCode	Date Corrected
DA	4/27/2011	Construction	MOFFETT & BAYSHORE	T	3349-E6	1 1		UPDATED DIAGRAM	M	5/13/2011
DA	4/27/2011	Construction	GRANT & FREMONT	T	3410-A4	1		UPDATED DIAGRAM	M	5/13/2011
DI	2/10/2011	Estimating	1250 Springbrook	L	45F15	1		Mapping Discrepancy	M	2/11/2011
KE	4/13/2011	Construction	Service not found in field.		4573-J7	1		Mapping had yet to receive a completed Job package by the construction department	J	4/13/2011
KE	4/13/2011	Construction	Service not found in field.		4573-J7	1		Mapping had yet to receive a completed Job package by the construction department	J	4/13/2011
KE	4/13/2011	Construction	Service not found in field.		4573-J7	1		Mapping had yet to receive a completed Job package by the construction department	J	4/13/2011
KE	5/5/2011	Construction	service posted off of plat boundary		5026-G5	1		Plat boundary issue. No change made		5/9/2011
KE	5/6/2011	Construction	Service info swapped		5026-G5	2		Mapped single service as a branch	M	5/9/2011
KE	5/13/2011	Construction	Service info swapped	L	5025-D2	2		Mapped single service as a branch	M	5/16/2011
KE	5/16/2011	Construction	Branch service found in field that was not mapped		5026-G5	3		Mapping had yet to receive a completed Job package by the construction department	J	5/16/2011
KE	6/7/2011	Construction	Service found in field that was not on plat		5027-B6	1		Mapping had yet to receive a completed Job package by the construction department	J	6/8/2011
KE	6/10/2011	Construction	Branch service found in field that was not mapped		5025-D4	1		Mapping had yet to receive a completed Job package by the construction department	J	6/13/2011
KE	6/20/2011	Construction	Branch service found in field that was not mapped		5025-E3	1		Mapping had yet to receive a completed Job package by the construction department	J	7/11/2011
MI	1/26/2011	Mapping	Incorrect material on Goshen	P	16E16	10	GM444490-70	Mapping Discrepancy	M	1/28/2011
MI		Construction	Dublin Bl/Village Pkwy valve posted in wrong location	L	23B02	1	30220193	As-built gave wrong measurement for valve	Α	2/3/2011
Mi	2/16/2011	Mapping	Buckhorn Creek, Deep Creek	L	29F07	3	30517058	3 services posted in wrong location	M	2/17/2011

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

Division	Date Rec'd by Mapping	Dept Reported	Location Description of Discrepancy	9000	Маря	# of Locations on Map	Related Job #	Comments Cause for Discrepancy	e Cook	Date Corrected
MI	2/17/2011	Construction	Parkshore, different ETS location	L	20A04	2		1 ETS removed, 1 new	Ü	2/17/2011
MI	2/17/2011	Construction	Sailwood, different ETS location	L	20A05	2		1 ETS removed, 1 new	υ	2/17/2011
MI	3/17/2011	Mapping	Andrade Rd. wrong GM #	Ţ	25D07	1	GM440653-68	Job # on map differed from actual Job #	М	3/17/2011
MI	3/18/2011	Construction	Cabrillo Dr., duplicate service	L	20A06	1		Service was posted in 2 locations	М	3/18/2011
MI	3/18/2011	Construction	Thornton Ave., service on map not in field		20A06	1		Paperwork not received by Mapping notifying of a service cut-off	U	3/18/2011
MI MI	4/26/2011 4/18/2011	Construction Construction	7th St. c/o main still on map Franklin Ave.		29F07 13B14	1 2	GM4749057-89	Mapping Discrepancy Mapping Discrepancy	M	4/26/2011 5/19/2011
MI	5/27/2011	Mapping	Wrong street names	т	11C15,16	3		Notification of street name changes were not received by Mapping to make the appropriate updates.	U	5/27/2011
PN	1/21/2011	Mapping	2231 SPRING ST	T	3279-F3-3	1		This was in the queue to be updated	В	1/21/2011
PN	1/20/2011	Construction	BLACKBURN AVE BLK 8 & 15	T	3280-J2	8		This was in the queue to be updated	В	1/25/2011
PN	1/28/2011	Construction	2561 El Camino, Redwood City	1		3		Switched address locations	а	2/1/2011
PN	2/16/2011	Construction	80 MIRADA, Haif Moon Bay		3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	J	3/1/2011
PN	2/10/2011	Construction	401 LEE, HALF MOON BAY		3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	j	3/1/2011
PN	4/18/2011	Other Division Personnel	515 SEQUOIA AVE, Redwood City	Γ	3279-J2	1		Added missing information from Gas Service Record	А	4/19/2011
PN	4/18/2011	Other Division Personnel	136 DOHERTY WY, REDWOOD CITY	Γ	3279-J2	1		This was in the queue to be updated	В	4/19/2011
PN	4/4/2011	Other Division Personnel	221 CENTRAL AVE, Half Moon Bay		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	401 LEE AVE, HALF MOON BAY		3275-E5	1		Mapping had yet to receive a completed Job package by the construction department	J	4/19/2011
PN	7/15/2011	Other Division Personnel	524, 528, 540 & 544 BERKELEY AVE		3280-l1	4		Verified map correction from construction and subsequently corrected the map	Α	4/21/2011
PN	4/28/2011	Estimating	WRONG LOC & ADDRESSES	Г	3279-15	2		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	790 12th, Redwood City	L	3279-G6	1		No previous Gas Service Record. service was never mapped	U	5/20/2011
PN		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	3018 Dt. Sac Hudson & Keith	T	2525 17 4-E06	1		No Excess Flow Valve Missing Main line Valve	A	2/2/2011 1/18/2011
SF	2/24/2011	Planning	Along Forest side	В	3-E11		<u> </u>	Main was deleted		2/24/2011
SF	2/24/2011	Compliance	Paul & Crane St	T	4-F04	1		Mapping Discrepancy	M	2/24/2011
SF SF	3/17/2011		474 Joost Ave 224 Ridgewood	Ļ	3-E13 3-E13			Mapping Discrepancy	М	3/17/2011 3/22/2011
SF SF	3/29/2011	Planning Planning	1900 block of Market	+=	3-E13		<u> </u>	The service was posted twice Mapping Discrepancy	M	3/29/2011
SF	3/29/2011		Market & Duboce	P	3-A16D		1	Mapping Discrepancy	M	3/29/2011
ŠF	3/30/2011	Planning	Post and Divisadero		1-F14	1	Ì	Valve number was missing		3/30/2011
SF		Planning	Detroit and Flood	ĮΤ	3-F14	1		Mapping Discrepancy	M	3/30/2011
SF SF	3/30/2011 3/30/2011		1640 Evans Ave 1300 Evans	L	4-D05 4-D06			The service was never labeled Too many unnecessary lines		3/30/2011 3/30/2011
SF	3/30/2011	Planning	Bosworth & Diamond		3-E15	1		Mapping records do not indicate why a low pressure valve is recorded in the HP valve book.		3/30/2011
SF	3/31/2011	Planning	23rd & Vermont	F	4-C03		<u> </u>	Mapping Discrepancy Removed valve number,	М	4/1/2011
SF	4/6/2011	Planning	16th & Bryant Sts.	Т	4-B02B	1		unmaintained valve should be un- numbered.	М	4/6/2011
ŠF	4/7/2011	Planning	Oakdale & Selby	F	4-E04A	1		Mapping Discrepancy Removed valve number,	M	4/7/2011
SF	4/8/2011	Planning	Stanyan & Page	Т	3-A13C	1		unmaintained valve should be un- numbered.	М	4/8/2011
SF	4/8/2011	Planning	50 Cotter St	I	3-F15B		<u>†</u>	Service was never updated in 1972. Main was replaced in 1987 but never	H	4/8/2011
SF SF	4/12/2011	Planning	Alemany & Elisworth	L	4-E04D	1		updated.	М	4/12/2011
SF SF	5/2/2011	Planning Planning	Various Locations 625 Holly Park circle	-	Various 1 14-E01	15	 	Wrong valve symbol Service was posted incorrectly.	M	5/2/2011 5/3/2011
SF	5/3/2011	Planning	3rd and La Salle	+	4-E05A		†··	Removed cut & cap symbols.	М	5/3/2011
SF	5/16/2011	Planning	Various Locations	Ì	Various	12	<u> </u>	Wrong valve symbol	М	5/16/2011
SF	6/6/2011	Planning	Various Locations		Various	4		Wrong valve symbol	M	6/6/2011
SI	1/12/2011	Construction	115 E. Empire St, Grass Valley	L	2102-G1	1		Service found in field	j	1/13/2011
SI	2/10/2011	Construction	20		2215-C8	1		service no longer exists	U	4/2/2011
Sí	3/8/2011	Construction	920 14TH ST MARYSVILLE		2154-D6	2	30832971	Corrected Main dimentions	U	3/15/2011
S)	4/14/2011	Construction	2836 RAILROAD AVE	L		1		Wrong Location on map	\vdash	4/15/2011
SJ SJ	1/12/2011 3/22/2011	Construction	810 September dr 1096 S. 2nd St. San Jose	1=	3410-f8 3413-E6	1	 	added m-2 to plat add EM	-	1/13/2011 3/22/2011
SJ	3/9/2011		1109 McKay San Jose	1	3352-G4	×	†	add EM	\forall	3/9/2011
	3/9/2011		N First & Tasman operating diagram	m	3351-E5			Show valve-V4 & V3	П	3/9/2011
SJ			purpose 200	1	10001-E0		1		-	
SJ	3/11/2011		Tully Rd & La Ragione	L	3414-F2			show valve-14-F2C & D	1	3/11/2011
		Planning			3414-F2 3413-C1 3413-E1	1 2		show valve-14-F2C & D WELDED OVER M-2 WRONG VALVE #S	M	6/27/2011

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
J	Completed job not received by Mapping
В	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

MW	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 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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П	T	M E		T-	T :-	Г	[П		TI	8	T,				29	T	Т		T _c	T	I	Disk.	Т	00 E	T.	Γ.	Г	Г		- D			T
	458	Effect on Other Operation	Return 17 to 8", Meds capacity requirements	Comvertinant MAOP 10 5 In we to 80 ps g system	Comertinan MAOP 10.5 in we to 60 joug avidem	No significant change	Convertition MADP 10 5 k wo to 60 pag avalem	No argorificant change	APP Minimum pressure increase from 0 to 44 pelg	No signican charge Incressed capach 59 NCFH, APD Minkhum pressure 21 pa	APD Minman pressure increase from 3 peg to 11 prig	No significant change.	10 perg to 17 perg	No significant change.	No significant change.	Convertitio P 10.5 m vic lo 80 pstg system. Refocale LP regulator station.	No significant change	No significant change No significant change	Convert शतक बेहे दम् भट रेठ होंद्र पुत्र सुब स्थान	Convertion MAOP 10 5 m we to 60 in a pristan	Ne significant change.	No argantoant change	APD Minmum pressure increase from 4 psig to 24 psig	APD Minimum pressure increase from 0 to 17 psig	APD reminion pressurs increase from 1 pag to 18 pag	Convertitum MADP 10.5 In we to 60 pag avidem.	APD Amimum prassure increase from 18 psig to 42 psig	No arganticant change.	Ne significant change	Ne argnificant change	No signicani crange. APD kinimum preseure increce from 9 paig to 24 paig	Conveit Nom Mao P 10 5 in wic to 60 parg system	Convest from MAOP 10.5 in we to 80 ps ay stam	Convertinan MAOP 10.5 m wc to 80 ps p system
	6	differt on Saylor	3 Services	27 Services	304 Services	No offect	30 Services	No effect	No effect	TOTO Services	No offect	No effect	No effect	5 Serves	11 Savioss	5 Services	19 Sevices	1 Services No effect	255 9819168	76 Services	162 Septices	2 Berrices	No offest	No effect	Na effect	36 Savines	No effect	63 Services	15 Beivices	Ne effect		202 Services	173 Services	100 Sentices
	126	Phys Dimestates Med Thickness	Refer to Albachment 17.2	Refer to Adject to Sold 17.2	Rater to Atlantonent 17.2	Wa	Refer to Attachment 17.2	sfer to Attachment 17.2	Refer to Adaptingnit 17.2	Refer to Adject tropes 17.2 Steel 0.250*	Refer to Alberthment 17.2	8,	region to advantages 17.2	Refer to Attenuent 17.2	Ration to advantaged 17.2	Wa.	Refer to Attachment 17.2	2 2	Rater to all sectment 17.3 Rater to all actimisms 17.3	Refer to Attachment 17.2	Refer to Altachment 17.2	Rater to 3d actimized 17.2 6' Shack - 0.200* 10"Shaek - 0.363"	Refer to Attachment 17.2	Refer to Attachment 17.2	Refer to Attachment 17.2	Refer to Astachment 17.2	54	Refer to Attachment 17.2	Refer to Attachment 17.2	yla	Pa Refer to Attachment 17.2	Refer to Attachment 17.2 Steet 0.57%	teller to Advantages of 17.2	Refer to Absormant 17.2
	de	Pipeline Dimensions Fortago and Dameter	56 of Z Plaste 54 of 8 Plasts R	1027 of Z' Plastic R	5701 of Z Plants 569 of 4 Pasts Uprale 623 of 4 Plants	n/a	345' of 4" Plaste	S78' of 4" Pleatic R	1240' of 4" Plastic R	458° of 6° Flaste F	504 of 8" Pleate R	T			834 of 2" Plastic R		MS of 4" Plastic R	0 0	5073 of 2" Pastic 516" of 4" Pastic Uprate 813" of 6" Steel Uprate 895" of 6" Steel	2808 of 2" Plaste	303 of 2" Plasho 1609' of 4" Plasho 648' of 6" Plasto	1000' of 4" Plastic R 250' of 605' Steal 9 220' of 10,750' Steal 1	6750' of 0" Plastic R	1174' of B" Placine R	1980' of 0" Plas lis	2163 of 2" Plastic R		1275 of 2" Piselie R	T	E.	240' of 4" Placine R	390' of 12,750' Steel 4990' of 2" Piscle 21' of 4" Piscle Uprale 11:30' of 4" Pische	Uprate 3297 of 2" Plastic 3573 of 2" and 4" Plastic Refer to Attachment 17.2	5108 of 2" Placine R
	Ī	Mary Company	PStC	988	589	8,0	PSIG	DAY III	5 Bac	28 28	PSIG	6.0	200		286	PSIG III W.C	m WC	0.00	188 G	0.00	PBIG III WC	256	5 86	286	PBIG	PSIG	PBIG	988	DISIG	PSIC	2 2	280	286	980
sted Pips	ę.	Describing	99	8	99	8	99	0	8	8 8	98	Yahkus	8	8	8	Stirled 100 uhel	9	\$ 12	82	8	92	4	8	99	20	8	â	=	25	G.	2 15	95	8	8
nstalled or Uprated Pi	150	MADP	09	99	9	ē,	98	10.5	9	8 8	25	Vernue	8	99	25	60 mlst 10 5 Outlet	18.5	20 20	82	8	10.5	90	99	18	98	98	22	88	8	09	- 8	09	99	8
Install	ugs	Sombles of Non-committees	810	B/o	.02	nia	e,a	e/s	8,0	and measure and	88	BIG.	88	ejio	B,O	ē	ē,u	938	Uprate Not Located	eju	g	Seambre	ejo	80	e,e	nie.	ē	ejo	B) (I	ejia	E 8	Southess	s)de	nia
	138	Manufacture of S	Dratopies	Orseopher	Plastig Ortstoples Uprafed Plastic Refer to Attachment 17.2	163	Бпосорівт	Onstoples	Parlamance	Election Convention Co	Direcopies	1968	Orthoplas	Orracopias	USPOR	163	Direcoples	198	Directories Uprateu Plastie Refer to All actiment 17,11 Uprated Sheel	Dritte oplex	Direcopilar	Plastic US Poly Steel * - Voestapine 10* - Tensila	Orne aplea	Drietoples	Опесорівя	Upanor	8,0	Driscoples	Distroples	n/a	Parformance	Plants Dructopies Uncohed Plasts Refer to Sternmen 17.2 Stern Tomers	Draw oplas	Drites opties
	N.K	9. 10 10 10 10	2011	2011	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2011	2011	2011	2014	E E	2011	2011	2010	2010	2010	2811	2011	2011	2011 Uprale 1972 Steat 1993 Plasto	2010	2010	2010	2010	2010	2011	2010	2011	2010	2010	2011	2010	2010 Uprahi 97%, 19	2010	2010
	30	Motage of Figures Segment (Resociations 1246)	0100	2010	Passa 2008-11 Uprahed Passa Data Not Located	168	2010	2010	2010	2010 2010 2010 2010	2010	8,0	2009/10	2008-10	20199	27.0	2010	008	Plagic 2010 United Platic Cyle Net Lecition Uprated Steel Date Het Lecited	2009	2008:10	29sds 29ssl 6° 2008 10° 2010	2010	2008.10	2008-10	2008	ein.	2008-10	2910	aja	2010	Pless Zons 10 Margad Disalts Craft Increased Steel Zons, Zons	2010	2009-10
	129	Apolitic Map (New and Plat) or Eachth,	WILL BROS PLAT F12	WALL BOOM PLAT E01	Wall, 0003 PLAT C11	WALL 3888 PLAT DS	WALL BEST PLAT D15	ALL 4031 PLAT 102	WALL DEGINATES	WALL BOTZ RAT BTO WALL 3005 RLAT DS WALL 3005 RLAT BS	WALL 3278 PLAT GA	ARIOUS MIT 67% PLAT A1	WLL 0784 PLAT 81	WALL 0005 PLAT 803	WALL 8007 PLAT 807	DR136 ROUSSEAU & ALEMANY BLVD ST	WALL DBD3 FLAT E12	WLL 0052 PLATES	WALL 0006 PLAT E00 WALL 0003 PLAT E16	WALL 0003 PLAT F13	WALL 0004 PLATEOS WALL 0004 PLATEOS	WILL 2807 FLAT D#	WLL 3177 RAT AS WLL 3177 RAT B3 WLL 3123 RAT E2	WALL 0017 FLAT C18 WALL 0017 FLAT C18 WALL 0017 FLAT C18	WALL 1718 PLAT H?	WLL 3122 PLAT F08 WLL 3122 PLAT E07	WALL 2548 PLAT II	MRLL 2768 PLAT H06	MALL 2927 PLAT J03	R 062 ROSEVILLE COPALM AVE	WALLINGS PLAT DI WALL 3381 PLAT DI WALL 3381 PLAT EI	WALL 0001 PLAT F12 WALL 0001 PLAT F13	WALL BODD PLAT ETT	WALL BODD PLAT EST
	178	(Application)	SanFranceco	San Francisco	San Francisco	Fibrano	San Francisco	Bakarafield	Arbeth	Fresho	San Carlos	Finano V	Euroka	Sen Francisco	Colma	San Francisco	San Francisco N	Colma Antech	San Francisco	San Francisco	Sanfranceco	Vales	Modesto	Hayward	Chica	O aleranic	Vexa Dron v	Petstums	San Rafael N	Secretarish	Ohnsber	San Francisco	San Francisco	San Francisco
	279	Cocation (Delision)	San Francisco	San Frence co	San Francis co	Fresho	San France co	Kem	Datelo	Freezo	Percesuis	Frestra	Humbold	San Francis co	Portra de	San Francisco	San Francisco	Permula Drabo	Sur Franceoo	San France co	San Francisco	Morth Bary	Yosemils	Mission	North Valley	Yosemle	Sacramanto	Sonoma	North Bay	Secremento	SanJose	Stan France co	San Francis to	San Francis co
	25	Physics	Pereine Repl Program	Pysins Repl Program	owarna Packi Program	Refacility General	Ppatra Repl Program	Paths Repl Program	Capacity	Capsufy	Capacity	Relability General	Capacity	Relability General	Relability General	Relability General	Relability General	Relability General Relability General	rpaina Real Program	Pipatha Rept Program	Pipeline Rapi Program	Ranability Contestal	Capacity	Capacity	Capacity	Ppatna Repl Program	Capach	Ppstra Repl Program	Pipeline Rept Program	Relability General	researchy centeral	Ppains Ross Program	Pipsine Red Program	Prystra Rept Program
	80	Mork Description Describered Paydire Directions	308° of 12° 31e/8	60% of 4" Cast Iron	32591 of 4" Cast Inn 976 of 12" Cast Inn 1892 of 4" Sheel	500 of # Plastic 140 of 3' Steet	502	20" of 4" Black	26	2 2	9	of 2" Plastic		70 -	22't' of Z' Plastic 694' of Z' Steet		77 of 4" Castiron 1505' of 4" Sleal	30 of 2 Steel	23a1' of # Catt tree 77 of # Pletts	2343° of 4" Cast from 972 of 4" Steel	4091' of 4" Cast Iran	1057 of 2" Steel 550 of 3" Steel	1/2	8,0	rka.	840' of 2' Steel	88	2375' of 2" Stest	SO of 2" Sheet	\Box	80	303' of 3" Cast from 1501' of 4" Cast from 910' of 4" Cast from 2450' of 4" Cast from 855' of 4" Steel 600' of 6" Steel	8	4332" of 4" Cast Ingn 105" of 6" Cast Ingn
	49	Week Description Description Plan Your Invalind	See 1930	Castima Unimara	Castinn 1911-1927 3 Skel 1925-1983 9 Platts 1990 1	Steel 1940 1	DOWN	asi 1937-1939 b	ole o		Placine 1987			23	Steel 1964 2 Plastic 1973 6		Seet 1927-1951 7	sel1397 8		Cast fron 1917/1926 2 Seel 1988 8		Sket 1942-1957 5		88		Steat1917-1929 8	riga s	Stes1925.1988 2	Rear 1934-1953 Prought from 1931-1932	1	og og	Cast Ion 1926 Place 1926 1980 Stell 1936 1958	Cast from 1915-1928 4 Plante 1975-1934 3 Steel 1936-1939 5	Cast tree 1014-1928
	e.	Ment Description	Gas Apelne Reposcoment Program	Gas Pipeline Replacement Program	cas Pipietra Replacement Program 8	Deadurate Man	Gas Ripeine Replacement Program	as Pipeline Replaconsint Program	New Caracity Man Install Enforcement of	ew Capacity Nationalist Enforcement of a	olly Marchelall/ Enforcement		New Capacity Man Install Certorcement In		Pollabitity Main Replacement	Windshift Regulator Station Replacement 6	Reliability Main Replacement	eachrate Regulator Statum Replacement in	ropism	Gas Piperne Representant Program St	Gas Pipeline Replacement Program	contactity on an Steptocement	lew Capacity Man Install/ Enforcement of a	New Capacity Marn Install / Enforcement	New Casselly Man Install / Enforcement of a	Gas Piperne Replacement Program 8	New Capacity Requision Station	Gas Pipelina Replacement Program 8	Gas Pipathe Reposement Program N	whichly Regulater Station Regiscement of	regulator staton representant olit Man Inelatif Enforcement	5 Popaline Ekspraysumsci Program P	Gas Apreiro Replacement Program P	Gas Apelma Replacement Program
	25	Project Marre	OCT E G GPRP OCEAN AND PLYMOUTH, SF	OCH G GPRP HOLLYPARK 1 (100 APPLETON AVE G	OCT G GPRP BLINSET 2, SF	GP 214 E OLIVE AVE FRESNO DI	IN, SKN FRAN	NO2 REPL. MAIN HEIGHT & DERWELLEY ST. BAK.	DOT BYRON MAIN EXTENSION : BIXLER RD BYR No.	THY INCREASE HARLAN RNCH CLOVIB	OC! CORDILERAS REDANDOD CITY	T	1	SANE	DOS REPL 2001 OF Z WITH ZPLESPL PAG	DC1 G REPLR-11 DEWEY & LAGLINA HONDA, SF	OCT DREPLINAIN DASITAS & OPESTA VISTA, PR	DC1 INSTILL 400° PLAND ABANDON DR STN Z De NC1 G DR STATION CARDON CT PITTSBURG RA		DOLO GERRY STAPLES SAN FRANCISCO	DC1 G GPRP BAVVIEW 2 SAN FRANCISCO	DC4 GP RM REPLENY GROSSIND, MAGAZINEST	GPCARACOTY 8'HP PARALLEL MAIN MODESTO	OCS DUBLIN BLYD DUBLIN INSTALL 4186 FT O	DC4 INST 1700FT 6.IM PL, BRUGE RD. CHICO	OCZ GPRP THIRD STREET OAKDALE PHASE 2 GA	OCA VACA VLY & SHELTER COVE - MSTLR NA	DOM GPRP I STREET PETALUNIA	OC4 GPRP SANTA MARGARITA, SAN RAFAEL.	DOM ROBEVILLE & BUTTERNUT (ALICE) REG RPL RIS	DOZ 0.1,278.FT 4 PLGRESTAMERICA PREVISC.	CO) G GPRP GEARY 4 SAM FRANCISCO	DOTIG GPRP SAINT FRANCES 4, 8F	DOLIGPRE BALBOA TERRACE, SAN FRANCIBCO
	T	M Minh	3082805	30815779	0 10807801	30805155	3069481	0793953 0	30789549	1	30783043 00			7	30760327 01	30766578	30759573 04	07588ZI 0	30754774 04	30754788 DI	30753877 00	30751625	30748119	30747707	30742428 00	30741372 08	30740781 00	30737281 0	30737244 00	30714055 0	30875123	30674022	30674884	30649246
	10	Commission Code Requirement or Ordan Addrsory or Recomposities of the		ON ON	NO B	SF ON	30	NO 36	ON 1			Ħ	\dagger		NO 30	9 9 9	r	ON ON		(N)	ON ON	9	NO NO	30	30	NO ON	30	NO NO	ON 30		2 2	0N	08 80	NO 30
		Popul Status	Complete	Complets	Complete	Complete	Complete	Jamplete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complets	Complete	Complete
	1	Per No.	-	22		4	90	9	h (0 0	9	H	+		14		16	17	61	50	22	22	82	24	52	38	27	28	-	30	-	88	34	92

TABLE 174
FIC GAS AND ELECTRIC COMPAN
PROJECT DESCRIPTIONS

ffs Effect on Other Specialistic	Convertiram MAOP 10.5 in tec to 60 ps g xy elem	No significant change.	la significant changs	Convertirem MAOP 10.5 in we to 60 psig system	Connest tham MAOP 10.5 in we to 60 ps to system	Connest 276 MAOP 16 Sin was to 66 pag system and 3480' with no agaitisent change.	APD Reproun pressure Increse a from 9 psig to 13 psig	APD Rimmon presours increase a from 4" we to 6.5" we	Vo significani change	No significant change. Increased capacity 400 MCFH, ASIG.	No significant change	No significant change	No significant change.	No significant change.	No significant change	convert 22891 MAOP 10.5 in we to (0) parg aya fermand 1696 with no significant change	Connet MACP 10.5 in live its 90 psig system i notal nav- regulatrien sketon	to significant change	Convert IP to Rib pag Remove.	No significant change	No significant change	Ne significant change.	Convestinan MAOP 10 5 in we to 60 ps ip sy klem	Connest from MAOP 10.5 in vor to 50 ps p. sy denn	Connest 5970* MAOP 10.5 in we to dibelp ays lem end 470 with no significant change	APD Rammon pressure from 1 reg to 15 peig	TBD Project to in design
Effect att	100 Services	36 Barrines P	1	239 Services	58GA86999	35 Barrioss	No offest	No offed	No offect	No shert	No effect	18 Services h	24 Services	No effect	73 Selvices P	106 Sarvines y	100 Services	7 Services P	33 Samples	27 Services h	92 Sevices	33 Sevices P	142 Services	150 Samues	Zom Samuses	No effect	72 Salvibas
The Dimension West Trichtness	Rider to Attachment 17.2	Refer to Alberbrient 17.2	Safer to Atlactment 17.2	Refer to Attachment 17.2	Selecto Attachment 12.2	Refer to Adlantinosof 17.2	Rater to Attackmant 17.2	Refer to Attachmant 17.2	2	ote Refer to Attentioners 17.2	da	Refer to Attachment 17.2	Refer to Attachment 17.2	2	Refer to Alberbroani 17.2	Selecto Atlachman 12.2	Pater to streetment 17.7.	Sider to Adjactment 17.2	nder to Allactropie (7,2 Parer to Allactropie (7,2	Rafer to Adaptionard 17.2	Refer to Attachment 17.2	Refer to Attachment 17.2	Refer to Attachment 17.2	S.5.1 institution the out of 2.2.4	Refer to Atlantiment 17.2 Refer to Atlantiment 17.3	Refer to Attachment 17.2	Refer to All actiment 17.2
Pipuline Diposessionic Acutoge and Distriction	4074' of 2" Plaste 38' of 3" Plaste 78' of 1.25" Plaste	2184 of 2 Plants	1125' of 2' Phasis	4059 of 2" Parsite	24327 of 4" Plastic 14307 of 0" Plastic	25.29 of 2, 4 and 6"	10507 of 6" Plastic	1540 of 8" Plastic	E SU	17903 of 8 Plasts:	8,00	390° of 2" Plastic 550° of 4" Plastic	400° of 1° Plastic 1280° of 2° Plastic 2500° of 4° Plastic	Ť	5100° of 4° Plants	240 of 1.25" Plants 2026' of 2" Plants 1239' of 4" Plants	9947 of Pina to 485 of Pina to 485 of Pina to Hugh Uprite 3087 of Pinato Uprite 2087 of Pinato	281 of 8" Playtic		150° of 1.25° Playte:	1	T	es21' of 2" Plastic	1779: of 2º Plass to 588° of 8º Plassio	3501 of 2 Pissie 108 of 4 Pissie 84 of 4 Stea 867 of 6 Pissie	2350° cf.4" Plante	630° of 4" Plastic 630° of 4" Plastic
121	288	288	880	0 0 0	0.80	PSIG D WC	980	II MC	986	2 2	586	PBIG	200	PBIG	n wc	PSIG III WC	286	DEd	50 50	986	D MC	PSIC	0.80	20	PSIG III WG	986	II W.C
Operation Present	99	0 0	38	8	8	82	9	10 55	55	8	86	99	9	9	8.8	50	19	F	8	22	2	8	8	8	8.2	25	9
an ya	09	5 0	\$	8	8	8.5	8	10.5	98	2 2	8	98	8	00	10.5	98 10.5	8	8	8	25	9.00	8	8	99	8.6	99	10.5
Monthon or Monthon	870	9/d																									
danifactors of Page	Ormanplea	Orneaples Overeaples	emperature.															-									
the second	2010	2010																									
17h Yintago of Spotline Segmenti (Manufacture: Date)	2008.10	2010																									
1771 Pipotitie frap 305ep cond Plats or Feeding	WALL 8005 PLAT D86 WALL 8005 PLAT D86	WALL 2715 PLAT D08 WALL 2715 PLAT C06 WALL 2715 PLAT C06	WALL 2709 PLAT J04	WALL 0005 PLAT A12 WALL 0005 PLAT A13	WALL 3959 PLYT FCS WALL 3950 PLYT G03 WALL 3959 PLYT FOR	WALL BOOK PLAT FOS	WALL 2002 PLKT A6 WALL 2002 PLKT A7	WALL 2870 PLAT D7 WALL 2870 PLAT D3	DR 824 NAVY DRYRESNO 8T-1RU 1	WALL 3338 PLAT F5 WALL 2010 FLAT H6 WALL 2010 FLAT H8 WALL 2011 FLAT H8 WALL 2011 FLAT H8 WALL 2011 FLAT H8 WALL 2012 FLAT H8 WALL 2012 FLAT H8	DRICH CRESCENT DRIS HWY 242	WALL 3005 PLAT HI	WALL 3111 PLAT G? WALL 3111 PLAT GB	DR G 883 WOODWARDISHASTA	WALL 3655 PLAT C08 WALL 3653 PLAT 805	WALL 3413 PLAT D08 WALL 3413 PLAT C05	WALL 2010 PLAT DOS WALL 2010 PLAT DOS WALL 2010 PLAT DOS	WALL 2469 FLAT GS	WALL 2807 PLAT J J WALL 2808 PLAT J J WALL 2808 PLAT J J WALL 2808 PLAT J S WALL 2808 PLAT J S WALL 2808 PLAT G WALL 2808 PLA	WALL 2927 FLAT J02	WALL DOOD PLAT E14	WALL 2710 FLAT J2 Stall 2710 FLAT J2	WALL BOOK PLAT ED!	WALL 0004 PLAT DOT WALL 0003 PLAT E'0 WALL 0004 PLAT E'01	WALL 0003 PLAT E13	WALL 0050 PLAT E-05 WALL 3905 PLAT DS	WALL DOOS PLAT F18
Location City	Oakpari	Vacavile	Sartio Rose	San Francisco	Frestros	San Francisco	Manavie	Stotiston	Stockton	Cuperting Fresmo	Consord	Stockton	Trany	Onea	Fresho	Chrabe	Stotiston	Sacramento	Visitee	San Rafael	San Francisco	Mana	San Francisco	San Francisco	San Francisco	Concord	San Francisco
17g acathan (Chelsion	Esti Ber	Samensolo	onoma	San France co	9239	San Francis co	Stanta	Stockton	Stockton	e Arcs	Disblo	Stockton	Stockton	North Valley	10570	San Jose	Stopiston	accemento	Storation	North Bay	San Francis co	North Bay	San France co	San Francis co	San Francis co	Disblo	San Francisco
Furnese a	Pereins Rept Program	Pipalna Repi Program 9	patne Repl Program 8	Pipeine Real Pragram S	Patins Rept Program	Pipašna Repi Program	Capacity	Capacity	Relability Ceneral S	Padiately Conneror	Relability General D	Relability General S	Relability General S	Relabilità General N	Pipatria Rapi Program F	Pipeline Rept Program	Pratria Repl Program	stability Gareral S	Reploaner Out HFR 8	Ppaina Repi Program N	Pipaina Repi Program	Reliability General	Pipeline Rept Program S	Repl Program	Ppatra Repl Program	Capach	Pipaina Regi Program
Verify Description Description Description	2515' of 4" Cast from 2007 of 2" Steel 1150' of 3" Steel	2500' of 2" Stepl	050° of 2° Steal	3710' of 4" Cast Iron P	3407' of 6' Castiron P	2059 of 4" Cast from 1421" of 9" Cast from 279 of 4" Steel	0.00	2	200	Vis C C C	84	SOUNT Skein	2850° of 2" Steal R 400° of 0.75° Steel	T	110° of 4° Cast Iron P	8 8	1400' of 2' Steal 990' of 4' Steal 1748' of 5' Steal 1930' of 2' Steal 203' of 4' Steal 220' of 1.25' Plaste	21 of 8" Unknown Material R		8		T	of 4" Cast Inco.	5 0 0	1095' of 10 Cast Iron 500' of 10' Cast Iron 1435' of 4' Place 300' of 4' Steel	Г	Off of Castinon P Off of Sestion P
Month Description Deschiertes Piper feer Installed	Cast Iron Pra-1908 - 1909 - 2 Partie: 1979-1962 - 2 Seat 1908-1940 - 1	Steel 1339 2	Steat 1034	Cartifon 1915-1927 Placia 1977-1979 Steel 1925-1939		Cast tron 1012 1922	n/s	8,0	69	G G G	0,0	Step11838.1947	Ster 1951-1958	rga u	Cast from 1915-1926	Stel 1928 Wroughtfran 1925 1931	Seel 1013-1998	19542	1	Wrought Iron 1924-1932 3 Steel 1946-1962 1	7		Castima 1911-1925 Steel 1931-1973	Cast Iron 1911-1925 Stell 1954-1958 Placto 1973-1974	Cast ton 1028-1928 Stept 1839-1950 Plate: 1930-2000	o de	Cast Uran 1917-1928 5 Steel 1938
UP. PROIN Description	Gas Spains Represented Program	Gas Pipelma Repliacement Program		Gaz Psychne Replacement Program	Gas Pipaine Replacement Program	Gas Pipeins Replacement Propram	New Capacity Man Install / Enforcement	New Capacity Mars Install/ Enforcement	Reliability Regulator Station Replacement	Nove Capacity National States to the Space of the National National States of the Space of the S	Relability Regulator Station Replacement	Relability Man Replacement	Reliability Main Replacement	Palabithy Regulator Station Poplacement	Gas Pipeine Replacement Program	Gas Pipeline Replacement Program	Gas Pydine Rejlecenzył Program	epistothy Main Replacement	Cust I+RR Reg Sto Cow Out at son	Gas Ripeline Replacement Program	Gae Pipeline Replacement Program	Palatolly Man Replacement	medo	Gas Pipaine Riginatement Program	Gas Aprema Represensal Program	New Capacity Marninetally Enforcement	Gas Pipeine Replesensent Program
Chapter Name	OC1 G BERKELEY GPRP - PH 1 ASHEY UPRATE.	DOR OF PRP EUZABETH @ MARON, VACAVILE OVER A DEED PREDING AREMON, VACADATE	WEST, SONOWA.	OCT GPRP CAPITOL 3, SAN FRANCISCO	HUNTINGTON & STH 2011 GPRP FRESNO	OCHREG GPRP SAN BRUNQ, SF	INST 1090' OF O' PL, ELM ST, LIVE	+LOCUST, LEE TO SACRAMENTO, LODII v	R.B. REPLYALYES STHR.24, FRESNO & NAVY (A-10 JUMPERO & ARABITRADE RO BLOCK VALVE. R2 RNST 17000 FT OF 8" PL. MAIN FRESNO.	DOT GREBUILD OR STA CRESCENT DR CONC.	STH & LINCOLN, STOCKTON	GRANTLINE & L. 2 .	OC4 R-003 ORLAND TERTIARY RBLD, WOODWAR	WEST PRESMO OPRP 2010	G S 12TH & S 13TH ST, SANJOSE GPRP	GP9PLOQUSTRWASHWITDI, LDE P448	GP HAZEL AVE BETVY ORSENBACK & FORTUNA	R2. Coloniest Juhast TiO CF is TO DISTRBUTTOR	GPRF GROVE HILLAVE, SAN ANSELNO	M GPRP - CONDO 1 - SF	GP FM BLUMAN & TWIN OAKS, NAPA	8	R1 E G GFRP BEFRUL HEIGHTS, SF	G GPRP J0037, BF	DOT MAIN REINFORG - BTONE VILV RD, ALAMO	R4 G GPRP ATHENS, SF
Draw Number	20616128	30616130	30030636	30807861	30907391	91899816	30786944	3078778	30782887	2076736	30757351	30756701	30755640	30754754	30750011	30630560	25626950	30946074	30840277	308,357,01	30878678	30827211	30823194	308274001	30821410	30820811	308,20084
Ferending Commission Regulational or Authory or Precontinuoulles	 Ø	ON ON	NO	P0	GN.	ON ON	NO NO	ON.	ON.	N N	NO	2	ON.	2	9	9	9	ON		024	NO	GN	<u> </u>	OM	ON O	2	N0
95 Freignt Strikus	Complete	Complete	Documentation	Documentation	Documentation	Documentation	Documentation	Decumentation	Documentation	Documentation Documentation	Documentation	Documentation	Documentation	Documentation	Documentation	Documentation	Documentation	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction
2	98	22	38	9	5	27	43	2	155	2 1-	48	-89	98	55	SS	252	4	99	38	is.	88	65	8	25	62	83	25

TABLE 17:1
IFIC GAS AND ELECTRIC COMPAN

ffs. Effect on other operations	Cenvert 5891 WAOP 10.5 m we to 80 psig system and 9500 with ran significent change	Ne agrificant change	to significant change.	to arganificant, changs	Connest from MAOP 10 5 in we to HP Install naw regulation station	redundancy to prevent alages.	Conventron MAOP 10.5 In we to 60 pp ig ay stam	Convert from MAOP 10,5 m we to 60 palg system	Convert 2800 NAOP 10 5 m We to 80 psig system and 2669 With no a gostroant, change	Connet 13855' MAOP 10 5 in we to 60 ps ig and 235' with no significant change.	Convertition MAOP 10.5 in victo 60 paig wystem	Convert 2476* MAOP 18 5 in yes to 50 pags system and 1921 With ns agenticant changs	Carrest fram MAOP 10.5 in we to 80 jpt g sy slam	Convertition NAOP 10 5 in we to 80 pag ayatem	Convertiform MAOP 10.5 m vio to 60 psig aystem	Convertifrom MAOP 10.5 in ver to 60 os g systlem	Connert 1989* MAOP 10.8 in wis to 80 preg sy iden. Connert 289 MAOP 10.8 in we to 11 prig system (2014* With its algrifficant change.	Connect from MAOP 10 5 in we to 50 as ig 19 slean	Conneal 2205 MAOP 10.8 m ere to 53 ps to system	No significant change	APD Nimmom presents incress a from 30 palg to 45 peag	in significant change	HP APD Milhton pressure svatem forces of forn 5 in wo	PD Norman pressure presse from 0 to 23 psig	No significant change APD Minimum pressure	neress 8 from 9 to 11 psig	is significant change	Vo significant change	No significant change.	No significant change.
fits at Samue	187 Services	66 Services P	22 Sevices N	No sffett n	69 SB244283	No offerd	36 Services	109 Services	150 Services y	130 Services *	102 Services	196 Services	234 Services	11.3 Services	146 Services	100 Bernses	Z14 Services	106 Sayrings	26 Sevices	28 Services P	No sffect	54 Services	39 Savines	No effect	No office!	T	No effect			10 Services P
The Dimension West Thickness	Relatio Absonneri 17.2 Referio Albohneri 17.3	Refer to Atlantimant 17.2	Rafer to Atlactment 17.2 Refer to Atlactment 17.3	n/s	Sefer to Atlantiment 17.2	nja	Refer to Attentiona of 17.2	Refer to Attachment 17.2 Refer to Attachment 17.3	Refer to Adachment 17.2	Sefer to Adlactmond 17.2	Refer to Altechment 17.2	Refer to Attachment 17.2	Refer to Atlactmant 17.2	Refer to Allachment 17.2	Refer to Alachment 17.2	Refer to Adjectment 17.2	Refer to 3th extrement 17.2	Refer to Atlactment 17.2	Refer to Atlactmond 17.2	Refer to Abanment 17.2	200	Rate to Athermant 17.2	Refer to Attackment 17.2	nia	ole pla	ala ala	Dia .	sio.	Pile.	Refer to Athentment 17.2
Figure Differential for the control of the control	87.63° of 2° Plasts 7.80° of 6° Flasts 187° of 6° Bleet	4167 of 125" Plastic	800' of 2' Plasho 180' of 2' See!	iga	307 of 2° Phastic 2880° of 8° Phastic	1	1350' of 2" Plaste 584' of 4" Plasts 320' of 9" Plasts		2247 of 2" Place to 550° of 4" Placeto 420° of 6" Placeto 1900 of 6" Placeto	3544' of 2" Plaste 705' of 4" Plasts	1915' of 2" Pleate 425' of 4" Plasto	1580' of 2" Plaste 1055' of 4" Plaste 1886' of 0" Plaste	320% of Z. Plastic 880° of 4° Plastic 1030° of 6° Plastic	1	109 of 1.25" Plaste 8071" of Z. Plasto	7489 of 2" Plants:	2830' of 2" Practic 1330' of 4" Practic 172' of 0" Practic	4170° of 2° Plasto 858° of 4° Plastic	2289' of 2" Plante	1405' of 1.25' Plastic	es.	800° of 1.26° Playbo	384 of 1.75° Partic 654 of 2° Plante 1110° of 0° Plante	nis	100 m		1 2	žį.	2	1138' of 4' Plante
3 2 1 2 2 1 3 3 1	PSIG		286	P80	084	980	986	986	PSIG III 94C	288	98	1 88 C	98	PSIG	956	2758	PS0 PS0 PS0	20	PSC	PSIG	- P. B. C.	DSG.	586	DBIG	2 28 G	+	+		-+	9 III (MC
De Beenden	80 50 10 5° epc 10° vec	14	200	10	09	56	8	09	50 10.5 10.0	50 45	90	60 00 10 50	8	09	99	90	80 11 10 5 10 5 10 5	09	53 50	60 57	99	201	- 3	90 90	8 8	+	2 2	\dashv	+	0 01
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diamitation of																														
Thy The The Whitage of Populities Sugarential Populities (See Tricasification China																														
Tri Physitine Map White cold Plets or Feeding	MALL 0003 FLAT F15	WALL 0000 PLAT B10	MALL 2862 PLAT F2 MALL 3042 PLAT E2	WALL DOUB PLAT E4	WALL 0005 PLAT DOS WALL 0005 PLAT EOS	WALL 2217 PLAT Ja	WALL 3959 PLAT FOZ WALL 3950 PLAT FOI	WALL DODA PLAT COS	WALL 0003 PLAT B14	WALL DOOR PLAT FOS WALL DOOR PLAT FOS	WALL DOOS PLAT D16 WALL DD0 PLAT COI WALL DD04 PLAT D01	WALL BOOK PLAY A16 WALL BOOK PLAY A15	WALL 0003 PLAT 810	WALL 0005 FLAT A12 WALL 0005 FLAT A13 WALL 0005 FLAT B17	WALL 3850 PLAT 594 WALL 3850 PLAT F84 WALL 3850 PLAT F03	WALL 0004 FLAT CON	WELL 0004 PLAT F01	WALL 0005 FLAT A13 WALL 0005 FLAT 813 WALL 0005 FLAT A14 WALL 0005 FLAT A13	WALL 2154 PLAT D07 WALL 2154 PLAT E07	WAU, 3412 FLAT EGS WALL, 3412 PLAT DGS	MALL 2639 PLAT HS	AMIL 3213 PLAT 607	AMLL 1390 PLAT 198	WALL DOZD FLAT E16	WALL 2724 PLAT A4	DR R. SE WONDERLAND	BLYDGFUNNEL RD WALL 2442 FLAT DS	DR O BOY 12 TH & ONO DAM	MYERS WHERS	WALL SHIRM DOI
1/g	Slan F rantisco	Oakbart	San Rafael San Rafael	Consord	Sehmond	Maryselle	Fresmo	San Francisco	San Francisco	San Francisco	Sen Frencisco	Sen Francisco	San Francisco	San Francisco	Fresho	San Francisco	San Francisco	San Francisco	Manavalle	Chinabar	Nena	Coarra	Red Bluff	Haveard	San Carlos	Doubles	Sarta Resa	Chica	Chies	Christian
T/p caption (Delson	Slan Firancisco	East Bay	North Bay North Bay	Distrio	East 8ay	Spring	Fresco	San Francis co	San Francisco	San Francis co	San Francis co	San Francis co	San Francisco	San Francisco	Freezna	San Francis co	San Francis co	San Francis co	Sterie	Santone	North Bay	Penreta	North Valley	Missign	Sonoms	Sleeth Make	Sonoma	North Valley	North Yorkey	San Jose
Suppose	Pipeline Repi Proprem	Pesins Repl Program	Relability General Relability General	Relability General	Ppatna Sept Program	Capacity	Pipašna Repl Program	Ppasna Ragi Program	Ppains Repi Propram	Pipsins Repl Program	Pipsins Repl Program	Pipatra Repl Program	Pipaina Repi Propram	Pipaima Repl Program	Ppatria Rept Program	Ppatna Sept Program	Pipatna Repl Program	Pipaina Repl Program	Pipatra Redi Program	Pipeine Rept Program	Capacity	Pipiens Repi Program	Ppakra Replinogram	Capacity	Reliability General Canadity	Salebille Caracia	Relability Coneral	Reliability General	Relability General	Piparina Rept Program
Vices Description Vices Description Describe and Pippaths Dimensions	530° of 4" Cael from 1510° of 8" Cael from 1085° of 7" Steat 1550° of 9" Steat 1550° of 9" Steat	2380° of 2" Steat 1080° of 3" Steat	768 of 2" Steel 175 of 2" Steel	n/s	2532' d.18' Castiron 340' of 2' Rustic 529' of 3' Rustic 168' of 3' Seel 133' of 4' Seel	n/a	2154" of 4" Cast Iron 250" of 10" Cast Iron	905 of 4" Cast from 1045 of 4" Cast from 125 of 4" Steel 2305 of 4" Steel 2305 of 12" Steel	1935 of 4" Cast from 1131' of 6" Cast from 1105' of 6" Cast from 180' of 2" Sheet	3410' of 4" Cast fron 565' of 4" Flashe 100' of 2" Flashe 2893' of 4" Steel	141 & of 4" Catt Ion 1930 of 10" Catt Ion 300 of 6" Seed 1215 of 16" Seed	640' of Coatlion 241' of 6 Castlion 430' of 7 Plasts 345' of 7 Steel 245' of 7 Steel 255' of 7 Weaught Ion	4392' of 4" Cast iron 1318' of 8" Steel	105/y of 4" Cast Iron 27.05 of 8" Cast Iron 30" of 2" Steel 505" of 4" Steel	14.95 of 4" Cast Iron 14.75 of 3" Steel 3560 of 4" Steel	3531' of 4" Cast from 215 of 9" Cast from 2800' of 6" Cast from 3900' of 10" Cast from 175' of 9" Steel	1639 of the Castilion 2731 of the Castilion 774 of the Sawi	3637 of 4" Cast from 1270" of 9" Cast from 1165" of 4" Steel	1775' of 3" Bleat 390' of 4" Steet 40' of 3" Wrought Iron	1240' of 2' Shee	8/6	1820' at 2° Stees	245 of 2" Steel 1130° of 3" Steel	nia	nts pis		200	82,50	142 2017 rd 12* Steet	724 of 8" Venught fren
70m Description Description Description Installied	Cast Iron 1914-1925 Steel 1928-1962 Wrought Iron 1928		Steel 1945-1951 Steel 1926	8,6	Cast Iron 1914 Physik 1923-1395 Sheel 1358-1995	e jo	Castlfon 1974-1919	Cast forn Prior 1909 1925 1 Steat 1995-1973 Plactor 1935	Ceet from 1015-1948 Steel 1032-1959	Cast fron 1915-1927 Skeel 1931 - 1966 Pladte 1950-2000	Steel 1953-1992 Cast Iron Unknown	Cast fron 1914.1829 Skeel 1931-1957 Wought fron 1928 Harter 1932	Cast Inn 1013-1015 Steel 1914-1958	Ceat from 10/3-100 6 Steel 1956 Pladds 1991	Cast Iron 1921 - 1927 Steel 1921 - 1968	Cast Iron 1926 Steel 1948	Cast los 1924-1937 Stell 1976-1957	Cast from 1918-1928 Steel 1982	Steel 1924-1930 Wrought from 1927	Steet 1039-1948	e po	Steet (916-1950	Step1923-1928	nka	50 S	- 1	n/a	wa	Witness (1997)	Geel 1927
The Please Description	Gas Pipame Ropezeneri Program	Gaz Apelne Replacement Program	Reliability Man Represented Reliability Maln Replacensor	Relability Regulater Station Replacement	Gay Pipeline Repostement Program	New Canadily Regulator Station	Ges Pipeline Replacament Program	Gas Pipeline Represenser? Program	Gas Pipeme Represenser! Program	Gas Apeine Repasement Program	Gas Pipelins Replacement Program	Gas Pipeine Rigilaspenayil Program	Gas Pipelina Replacement Program	Gas Sipama Rapsacement Program	Gaz Pipatne Replacement Program	Gaa Apelmo Replacement Program	Gas Pipeline Rigilapensził Propram	Gas Pipelma Replacement Propram	Gas Pipeline Replacement Program	Gas Pipeme Represented Program	New Carsoth Regulator Biston	Gaz Pipelinis Realsconnent Program	Gas Pipeline Replacement Program	New Capacity Regulator Station	Relability Regulator Station Replacement New Censolin Regulator Station	Solventite Southfree States Destroyers	Relability Regulator Station Replacement	Palability Regulator Station Replacement	Petahiliy Regulator Station Reglacement	Gas Pipema Replacement Program
Ya Propert Name	G GFRP BALBON PVRK 4, SS	ROL GP VANDSOR, ALAMEDA GPRP	G RM REPLMAIN, DRANGE AVE. NOVATO OP REPLMAIN BRIDGEWY BROWLK BAURALT	NEBUID MARBHALL DRIVE DR STATION	BERKELEY GPRP - PHASE 2, PRINCE/TELEG	REBLD OR MRC 12, 15T & E ST, WHEAL	HUMINGTON & TULARE 2011 GPRP FREBNO	GPRF MISSION DISTRICT 4, SAN FRAN	RAE G GPRP 18TH ST, SAN FRANCISCO	G GPRP BAYVIEW 3, SAN FRANCISCO	G GPRP BOUTH VALBACIA S, SAN FRANCIS	G GPRP PERSIN, SAN FRANCIBCO	G GPRP SUNSET 3, SF	G GRRP OCENWIEW, SAM FRANCISCO	HUNTINGTON & STH GPRP 2011 FRESHO	RAE GPPP MISSION DISTRICT 3, SAN FRANC	G SPRP OXFORD, SF	MOG) 87 ZGPRPF O UTER MISSION 2	REPLLF OPRP WITH & H, MARYSWILE	G HAROLD AVE GRRP, \$.1	G CAP_REG 118 REBUILD_YOUNTVILLE	HOOVER GREE COUT CRITICAL PROJECTS	RED BLUFF GPRP CEDAR & JACKGON	INSTIBLAL DR. STATION GSBOOD RD. FREM	GR. UPG RADE RESE-BROADWAY SMACART HUR, BO N BOW DR. A. CRESTYLEW DR	Property of a page contract of the page of	G GREPLAGE REG STA R42 / DEPOT ST / GEYS	ORBIDI 12TH & ORD DAM, OROVILLE	SOVILLE	G PARK AVENUE G PRP-SANJOSE
Draw Number	30820278		30813057 G	30812759	3001002	30310130	30808712 H	30808330	30808261	30808260	30308157	30393140	308080808	30807977	30807450 H	30800812	30906914 G	3080808	30804511 R	30801105	30797133	30738785	30785703	30787989 IN	30785447	-	7			37,50878
Pedending Communication Regulationalities (1) Ambienty of Pedentifications	9		9 9 9 P	VEB	ON N	VE8	NO	2	2	QN	2	2	ON	Q.	Q.	2	2	9	Q.	QV	Q.	ON	VEB	QV	S S	025	834	1	1	Q ₂
19 Project Strikus	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Constitution	Construction	Construction	Construction	Construction
ine Ne	10.00	99	10000	69	7.0	3.4	73	22	72	7.5	82	11	18	19	08	20	OI 80	60	25	98	100	120	% %	6.8	06 55	: 18	8 8	88	56	98

TABLE 17:1 OFIC GAS AND ELECTRIC COMPANY DECIRCE PERCENDITIONS

	Effect so 2010 a street distin	APO Minimum Pressure increase from 12 psig to 30 psig	No significant change	No argnificant change.	No argredoant change.	No significant change	No significant change	Uprate from MAGP 34 psg to MAGP 60 psg	No significant change	No significant change.	No significant change.	No significant change.	No significant change	APD Rinman presoure increase from 0 to 14 pag	No significant change	Ne significant change.	APD Minmum pressure increase from 9 psig to 42 psig	No significant change.	No significant change.	Vio significant change.	Ve significant change.	No appointent change	No significant change	No significant change	No significant change		AFL Minmum pressure increase from 10 psig to 19	APEL Minmon pressure Instrease from 10 psg to 19 psg
	Effect at: Effect a Service								IDS Services No signifi							П			П					Г				
		172 No effect	17.2 2 Septions	17.2 2 Serves	No sfed	17.2 38 Sevices	No effect	No effect	105 Se	No effect	117.2 Z4 Sarvoss	No effect	17.2 23 Serioss	No effect	17.2 8 Serves	No effect	117.2 15 Sayloss	No effect	No offect	-	17.2 1 Sevice	No effect	1	117.2 11 Services	117.2 12 Seruses		No effect	No effect
	ns. Pipe Darendon for VNS Thehres	Refer to Attachment 17.2	Refer to Attachment 17.2	Refer to Abannoni 17.2	o)o	Refer to Attachmant 17.2	n/a		a)a	life a	Refer to All solmosof 17.2	e pe	Refer to Atlachment 17.2	19/3	Refer to Absonment 17.2	nia	Refer to Attachment 17.2	Dis.	nia	103	Refer to Abachmanl 17.2	roja Bio	193	Refer to Attachment 17.2	Rafer to Attachment 17.2		o po	nia mia
	Pipeline Dimensions. Forkage and Stemator	4000' of 6" Plante	1798' of 6" Plastic	970° of 4" Plastic	9,0	2020° of 4" Physics	298	ricia	3845° of 2° Plants:	Tries Tries	1115 of Z. Plastic	140	787 of 2" Plastic 388 of 4" Plastic 234" of 9" Plastic	202	1551° of 2" Plante	nita	2925 of 6" Pisate	100	risia	nie	380' of 6" Steal	ole e	ilia est	938' of 4" Physic	247 of 2" Plastic		0,0	8.6
	100	0.84	PSIG	PStG	986	986	PStC	PSIG	PSIG	986	588	786	29.6	PSIG	PSIG	PSRG	PSIC	PSIG	PSIG	P843	PBIG	PRG	PSG	PBG	988	_	586	PSG PSG
	11	95	8	8	20	8	÷	30	00	0.9	÷	65	99	8	4	20	8	~	99	32	ž	99	25	25	33		R	8 9
	401198	98	8	8	98	35	99	34	99	80	99	8	08	8	95	80	8	20	90	9	23	99	9	98	25		*	B 5
	Searches or Mon scennings																											
	Vise treasing binuthabure of																											
	Me, and Plats Altrings of Psychia Signest Signest Seaso	782 783	100	144 144	Hans	7 HUS 7 G07 7 HOM	113	TC4	THIS	7.E8	d F CB	4 BLVD&ST	17.45 17.15	CF9	7.19	1.18	7.13	186	J.B6	TFS	TEL	GRIDLEY &	195	1.808	7.897		IT D8	rr D8
	Physiline May office and Philip or Facility	WALL SIZS PLATES WILL SIZS PLATES WELL SIZS PLATES	WALL 3352 PLAT JBS WALL 3352 PLAT JBS	WALL 3435 PLAT H4 WALL 3435 PLAT H5	DR A SO CHRISTIAN & RALSTON	WALL 3278 FLAT H05 WALL 3278 FLAT G97 WALL 3278 FLAT H09	WALL BEST PLAT FR	WOUL 3277 PLAT C4	WALL 0003 PLAT B16	WALL 2535 FLAT ES	WALL 2768 PLKT FOR	DR WOS RHEEN BLYDAS MARYS RD	WALL 3235 FLAT AS WALL 3177 FLAT JS	WALL BOS7 PLICE FIG	WALL 2705 PLAT 13	WALL 2009 PLAT IS	WALL 2947 FLAT J3	WALL 2587 PLAT B6	WALL 3864 FLAT B6	484LL 0849 PLAT FS	WALL 2927 PLAT E1	DR O B38 EAST GRIDLEY HAVY 99	DR 103 RED BLUFF	WALL 2834 PLAT BOS	WALL 2907 FLAT B07		WALL 3347 PLKT DR	WALL 3347 FLAT D8 WALL 3278 FLAT 95
	consistent (Decision) Location (CIV)	Osedale	Crinatear	Marced	Sen Certes	San Carlos	Retirensi	San Cartes	San Francisco	Santa Rosa	Pelaluma	Commit	Madesta	Antisch	Santa Rosa	Santa Rosa	Stockten	Secremento	Fresso	Eureka	San Rafael	Chies	Red Bluff	Samaricea	Valejo		San Carlos	San Carlos San Carlos
	acotton (Dedison	operate	SanJose	epueso.	ein sma	ears us	East Bay	ensene	Ban Francisco	ionome	Sonoma	Olegeio	osemila	Desido	Sonoma	Sanoma	Stocition	Sacramento	00000	Homboldh	Verth Bay	Verth Valley	Motth Valley	Senoma	Varin Bay		entra nia	Pennsula Pennsula
	Puptee	Capacity	Pipeline Rept Program (S	Relability General Y	Relability General	Pipaina Repl Program	Relability General	Selability General P	Relability General 8	Sapacity	Ppatra Repl Program 8	Reliability General D	Relabilith General Y	Capacity	Reliability General S	Ratability General 8	Capacity				Relability General h	Relability General h		Reliability General	Relability General h		Capacity	Intel Out HPR
	Moth Description Described on Pipsing Dimensions		1610' of 2' Vincught from Pig	ALPLOCAT Sheet		1990' of 2" Steal Pg			3845° of 2" Placing 333 of 9" Sleet		357 of 2 Steel Pt		785' of 2' Steel 386' of 4' Steel 2342' of 5' Steel		1007 of 7. Steal Re		2477' of 2" Steel Ca 28" of 4" Steel				300' of 6" Steel Re				478 of 2" Steel Re			
	Hoth Description Description Province breastice	N3	Westgritten 1931	Seet 1833 1939 80	ola ova	Steel 1924-1936	ole nie	ola nia	Step 1986 38 Plastic 2003 33	n/a n/a	Steel 1929-1936 18	nie nie	Steel 1939 38	ain ain	State 1928-1951 10	n/a n/a	See 1102-1073 28	0.0			Steel 1982 30	Sp.		Steel 1936	Steel 1935-1940 47		oia oia	
	Worth Description	New Capacity Man install/ Enforcement	Gas Apeine Replacement Program	Ricletolity Man Replacement	Relatethy Regulator Stetlon Regiscomens	Gas Pipeline Replexement Propram	Relability Regulator Blakton Replacement	Relability Regulator Station Replacement	Spiratelity Main Replacement	New Capacity Regulator Station	Gas Apelna Replacement Program	Retability Repulator Station Replacement	Relabibly Main Replacement	New Capacity Regulator Station	-	Relability Regulator Station Reglacement	New Capacity Man Install/ Enforcement	П		Replacement	Relabibly Main Replacement	Relability Regulator Station Replacement	patracement	Reightly Man Replacement	Pallabifity Main Replacement		New Capacity Regulator Station	9
	Project Name	GPCAPACITY "YHP PARALLEL MAIN OAKDALE	PH 1 BERRYESSA RD SAN JOSE OPRE-2010	MERCEO PHASE 3 REDABIUTY	ASS CHRISTIAN & BALSTON, BELMONT	OC1 GRIP REDWOOD CITY	GP 7TH ST & HENSLEY, RICHROND	OC1 TOWER ROAD HPR TO DRS	DOLORES MFRR, SF	R4 GD REBUILD DRAFGS KENAYOOD	GD GPRP WEST AND VARIOUS, PETALUNA	R1 G REBUILD RHEEM DR STATION, MORAGA	R2 MODESTO RELIABILITY PHASE 1 - MODESTO	REBUILD VICTORY DR STATION	R4_RPLDUFCH & BRAND LN MAIN / PENNORCY	R7 12 REPLUZS REGISTA/LIMAH	R2 MCALLEN FROM MILSON TO HOLMAN	R4 NEW REG STATION - POWER INN & CUCAM	RBJO DR D.36, WEBER & FARRING TON, FR	R7 RC REBUILD REGULATOR STA R137EUREKA	*P RM REPL DRK CROSSING, LUCAS VLY RD	ORB 38, E. GRIDLEY RD, GRIDLEY	Re do REBULLO RED BILLIEF OR 103	G RR PACIFIC AVE., SANTA ROBA.	G RM SHORT ST, VALLEJO		R2 INSTALL DRS JUNIPERO BERRA STANFORD	20615677 R2 INSTALL DRS JUNIFERO SERRA STAMFORD 20875506 R1 SHORDANY DR BELMONT
İ	Dhain Number	30749118 G	30746086 P	30742231 N	30741615 A	30738188	30772896 G	30676310	30035648 D	30926897 R	30926586	3062650S	30814788 R	30813671 R	30810933 R	30803970 R	30730073s			7	30781915 ×	30755387 0	T	30878554 0	3087952 0	_	30875477 R	30875520
	. 9	9	ON	Q	VES	GN.	92	ON.	ON.	ON	NO	ON	9	ON	Q	9	ON O	Q	Q.	YES	ON	2	92	GK.	ON		NO	9 2
	Project Straus	Construction	Construction	Construction	Construction	Construction	Construction	Construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction	Pre-construction		Pre-construction	Pre-construction Pre-construction
l	ĝ ag	25	88	88	661	101	102	103	104 P	105 P	106	107 P	801	109 Pr	110	111	£	П	H	7	118 P	117 P		119	120 Pi	-	25	_

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

		Manufact	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	rmation 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:

G. M. Vollbrecht &

D

Date: 04-21-08

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

Original Signed By

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	ma.	EM.
3/4	1.050	0.154	В	SMLS	011951	011036	IMA	
4	4.045	0.133	В	SMLS	011575	ex.	ren.	EMC.
1	1.315	0.179	В	SMLS	011935	w	IMA	
1-1/4	1.660	0.140	В	SMLS	011576	010163		m.
2	2.375	0.154	В	SMLS	011578	010147	180.	nw.
3	3.500	0.216	В	SMLS	011692	010178	Niet	ne.
4	4.500	0.188	X42	ERW	010941	esc.	010914	-
4	4.500	0.237	В	SMLS	011693	ex	010364	010716
	0.005	0.188	X52	ERW	011004	ex.	010944	100
6	6.625	0.280	В	SMLS	011688	ex.	010014	010844
		0.188	X52	ERW	010717	me.	010718	010795
8	8.625	0.250	X42	ERW	010237	ex.	010838	010848
		0.322	В	SMLS	011689	mx.	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	mx .	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	re:	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_0022147

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

										GAS II	VSPECTION	ON RESULTS: Janua	ary 01, 20	11 - June 30, 2011	1									
DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT YN	FEET EXPOSED	MATERIAL	LINE SIZE	COATING TYPE	GOATING GOND	CIRCUM WELD COND	EXTERNAL GOUGING	COATING DAMAGED V/N	COATING REPAIRED Y/N	SUPPORT COND	GOUGING Y/N	DISCOLOR Y/N	CRACKING Y/N	TEECAP CRACK Y/N
Fresno	Fresno	F	Avenal	1/3/11	 			HP (<=60psig)			5.00	Steel	0.75	Single wrap	Good		None							-
Kern	Kem	Oak Tree	Barstow	1/3/11	4931	108	14	HP (<=60psig)	1979	n	2.00	PE 2406 (Orange)	0.50		-		1,12,73				n	n	n	<u> </u>
North Coast	Arcala	Spear	Arcala	1/4/11	_784	G02	8	HP (<=60psig)	1972	n														
Fresno	Fresno	J	Sanger	1/5/11			33	HP (<=60psig)	1000		5.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good				
North Coast Fresno	Uklah Fresno	Valley E Inyo	Willits Fresno	1/5/11	1944	D04	10	HP (<=60psig) HP (<=60psig)	1992	n	1.00 96.00	PE 2406 (Orange) Steel	2.00		Good	ļ	None				n	n	n	n
Fresno	Fresno	Valley View	170070	1/7/11	 	 	26	HP (<=60psig)	+		5.00	PE 2406 (Orange)	3.00	1	Coon		14070	-			n	n		n
Kern	Kem	El Cerrilo	Bakersfield	1/7/11	4930	H08	4	HP (<=60psig)	1939		4.00	Steel	2.00	Hot Applied Asphalt	Fair		None	У	¥					
Fresno	Fresno	N Van Ness	Fresno	1/8/11			4.	HP (<=60psig)			4.00	PE 2406 (Orange)	0.50									n	n	n
North Coast North Bay	Eureka Napa	Spring Imola	Eureka Napa	1/8/11	_848 2774		28	HP (<=80psig) HP (<=60psig)	1947 1964	У	4.00 8.00	Steel Steel	3,00 0.75	Somastic	Good		None None	n		Good				
Fresno	Fresno	N Carruth	Fresno	1/10/11	2774	501	27	HP (<=60psig)	1304	У	1.00	Steel	0.75	Hot Applied Asphall	Excellent		None	y n	У	9000				
Fresno	Fresno	E Illinois	Fresno	1/10/11	1	 	4	HP (<=60psig)	-		1.00	PE 2406/2708 (Yellow)	1.00	Trick / Applied / Toprida	Good		None	n		Good				
Kern	Kern	Baker		1/10/11	5027	B08	21	HP (<=60psig)	1963		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n	n					
Kern	Kem	Baker	Bakersfield	1/10/11	5027		65	HP (<=60psig)	1981	У	3.00	Steel	0.75	Double wrap	Good		None	У	У					
North Coast North Coast	Arcata Uklah	11th Talmage	Arcala Uklah	1/10/11		d	42 6	HP (<=60psig)	1949		4.00 3.00	Steel Aldyl A	2.00 0.50	Somastic	Good		None	n	n			n	n	┼
Fresno	Fresno	E Mono	Fresno	1/11/11	2130	E02	10	SHP (<=25psig) HP (<=60psig)	1971	n	3.00	PE 2406/2708 (Yellow)	0.00	-							n	"		-
Fresno	Fresno	E Mono	Fresno	1/11/11	1	1	10	HP (<=60psig)	1	1	<u> </u>	PE 2406/2708 (Yellow)	1.00	1	<u> </u>		None							
Fresno	Fresno	E Lansing	Fresno	1/11/11			6	HP (<=60psig)				Steel	0.75											
Fresno	Fresno	N Cornella	Fresno	1/11/11			5	HP (<=60psig)	1		4.00	Steel	4.00	Hot Applied Asphalt			None	n						
Fresno Kem	Fresno Kem	E White Charlerten	Fresno Bakersfield	1/11/11	5127	C04	14	HP (<=60psig) HP (<=60psig)	1986	n	7.00	Steel PE 2406 (Orange)	3,00 1,25	Hot Applied Asphalt	Fair		None				n	n	n	
North Valley	Redding	Old Oregon	Redding	1/11/11			1	HP (<=60psig)	1967	- II	5,00	Steel	0.75	Double wrap	Good	-	None				"	- 11	''	
San Jose	San Jose	Blossom Hill	San Jose	1/12/11		C01	0		1962		3.00	Steel												1
Fresno	Fresno	N 1si	Fresno	1/12/11			3	HP (<=60psig)			3.00	PE 2406 (Orange)	1.00								n	n	n	n
Fresno	Fresno	E Jensen	Sanger	1/12/11			4	HP (<=60psig)																
Fresno	Fresno Kern	N 11Th Columbus	Fresno	1/12/11	4021	102	25 17	HP (<=60psig) HP (<=60psig)	1949	V	7.00	Steel Steel	3.00 0.75	Single wrap Hot Applied Asphalt	Fair Good	Acceptable Acceptable	None None	n V	V	Good				
Fresno	Fresno	E Illinois	Fresno	1/13/11	4001	1072	4	HP (<=60psig)	1040		5.00	PE 2406/2708 (Yellow)	1.00	тил дррвей мэрная	Good	Acceptable	14000	n	· · · · ·	Good				+
Fresno	Fresno	N Minnewawa	Fresno	1/13/11	 	†	16	HP (<=00psig)	 	-		Copper	1.00	Double wrap	Excellent		None				n	n	n	n
Kern	Kem	King	Bakersfield	1/13/11			27	LP (<≃10,5'Wc)			8.00	Steel	4.00	Hot Applied Asphalt	Poor		None	У	у					
Kern	Kern Ukiah	King	Bakersfield	1/13/11	0000	1 1000	65	LP (<=10.5"We)	1967		4.00	PE 2406 (Orange)	4.00								n	n	n	n
North Coast Kern	Kern	Center Chester	Hopland Bakersfield	1/14/11	2252 5027	D03	107	HP (<=60psig) HP (<=60psig)	1997	n	6.00 2.00	Steel PE 2406 (Orange)	2.00 1.00	Other	Excellent		None	n	n		n	n	n	├
Diablo	Diablo	Diablo	Lafavette	1/14/11	3027	7,00	15	Tit (==oupaig)	1000		2.00	7 L. 2400 (Orange)	1,00		-	 						- 11	'	+
Diablo	Diablo	Diablo	Lafayette	1/14/11		1	15		—		4.00	Steel	2.00	Olher	Good		None	n						
Diablo	Diablo	Diablo	Lafayette	1/14/11	46	A04	15	HP (<=60psig)	1979	У	4.00	Steel	2.00	Other	Good		None	n						
Fresno	Fresno	Whitney	Avenal	1/15/11	ļ		3	HP (<=60psig)		ļ	3.00	Steel	2.00			ļ								
San Jose	San Jose	Berryessa	San Jose	1/18/11			2				5.00	Steel	4.00	Hot Applied Asphalt	Good		None	n	n					
Fresno	Fresno	E Lyell	Fresno	1/18/11			1	HP (<≈60psig)		У	4.00	Copper	0.50	Hot Applied Asphalt	Good		None	У	у	Good				
Fresno	Fresno	E Illinois	Fresno	1/18/11			4	HP (<=60psig)				PE 2406/2708 (Yellow)			Good			n						
Kern	Kern Kern	Buck Owens Buck Owens	Atolia Bakersfield	1/18/11	4930	J02	14	HP (<=60psig) HP (<=60psig)	1966	y	5.00 4.00	Steel Steel	3.00	Hot Applied Asphalt Hot Applied Asphalt	Good	-	None None	n	n					-
Kem	Kern	Buck Owens	Bakersfield	1/18/11	4930		14	HP (<=60psig)	1966	y V	5.00	Steel	3.00	Hot Applied Asphalt	Good	-	None	n	n					+
Kern	Kem	N. NORMA	Ridgecrest	1/18/11			21	HP (<=60psig)			4.00	Steel												
Fresno	Fresno	E Lyell	Fresno	1/18/11			1	HP (<=60psig)		У	4.00	Copper	0.50	Hot Applied Asphalt	Good		None	У	У	Good				
North Coast Fresno	Ukiah Fresno	Talmage E. Weldon	Ukiah Fresno	1/19/11	2130	E03	1 14	SHP (<=25psig) HP (<=60psig)	1967	y	5.00	Steel Steel	6,00 0,75	Hot Applied Asphalt Hot Applied Asphalt	Good	Acceptable	None None	n	n y					
Fresno	Fresno	E: 97 GIGOTI	Fresno	1/19/11	-	+	28	HP (<=60psig)	+	У	5,00	VVrought fron	0.75	Hot Applied Asphall	Excellent	1	None	У	У		-			+
Fresno	Fresno	E Mckenzie	Fresno	1/19/11	1	+	16	HP (<=60psig)	+		7.00	Steel	3.00	Single wrap	Fair		None	n						<u> </u>
Fresno	Fresno	Oalman	Sanger	1/19/11			79	HP (<≃60psig)		у	1.00	Sleel	2.00	Other	Excellent		None							
Kern	Kern	Canadian	Bakersfield	1/19/11	J.		37	HP (<=60psig)	1961	У	1.00	Steel	2.00	Hot Applied Asphall	Good	Acceptable	None	У	У	Good				ļ
Kern North Valley	Kern Redding	Norma Ruperi	Ridgecrest Anderson	1/19/11	4760 1151	E02	21	HP (<=60psig) HP (<=60psig)	1958 1965	У	3.00 6.00	Steel Steel	2.00 0.75	Double wrap Double wrap	Good Good		None None	n	n					
North Valley	Redding	Rupert	Anderson	1/19/11			1	HP (<=60psig)	1965	y	2.00	Steel	0.75	Double wrap	Good		None							+
Fresno	Fresno	E Daylon	Fresno	1/20/11	1	+	8	HP (<=60psig)	 	 	4.00	Steel	0.75	Somastic	Excellent		None	У	у					
Fresno	Fresno	S Villa	Fresno	1/20/11			21	HP (<=60psig)																
Fresno	Fresno	S Villa	Fresno	1/20/11	1		21	HP (<=60psig)	1		7.00	Steel	2.00	Single wrap	Fair	Acceptable	None	n						-
Kem Stockton	Kem Della	Norma	Ridgecrest Stockton	1/20/11	4760 3004	E02	21	UD (gre60nois)	1958		3.00 5.00	Steel Steel	2.00	Double wrap	Good	Acceptable	None	У	У	Good				
Fresno	Fresno	Virginia E White	Fresno	1/21/11	0004	1001	19	HP (<≃60psig)	1040		6.00	Steel	1.00	Somastic	Good		None	y	У		-			+
Kem	Kern	Norma		1/21/11	4760	E02	22	HP (<≃60psig)	1958	У	2.00	Steel	2.00	Double wrap	Good	Acceptable	None	,	,					
Kem	Kem	Eastern	Tafi	1/21/11	5220	H04	38	SHP (<=25psig)		у	3.00	Steel	2.00	Hot Applied Asphalt	Good		None	У	У					
Fresno	Fresno	WB	Kerman	1/22/11	0.000		42	HP (<=60psig)	1		6.00	Steel	2.00	Hot Applied Asphalt	Good		None	У	у					
Fresno	Fresno Fresno	-	Fresno	1/22/11	3801		10	HP (<=60psig) HP (<=60psig)			8.00	PE 2406/2708 (Yellow) PE 2406/2708 (Yellow)	2.00	-							n	n n	n	n
1 103110	1.104110		1103110	1172211			<u></u>	1 cm (outpaid)		L	1 5.00	(270 W Z / UU (1 CHUW)	2	1		l	L		L			- "	·	

PACIFIC GAS AND ELECTRIC COMPANY
DEPTIND RESULTS: IMPLIANY 01, 2011, JUNE 30, 2011

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January 01, 2011 - June 30, 2011	COATING TYPE		1ot Applied Aspha	Single wrap	Other			Hot Applied Asphall	ongre wrap		10t Applied Aspha	Hot Applied Asphall	Single wrap	Hot Annited Asphall	de la	Double wrap		Hot Applied Asphalf	Single wrap	Ant Applied Acabs	Tabe	Single wrap	Hot Applied Aspha	Somastic			Single wrap		Extru Coal			Hot Applied Asphalf	Exa a coal	Single wrap	Single wrap		Somastic	nu Applieu Ashre	Hot Applied Asphalf	-	Single wrap		Hot Applied Asphall				Ani Applied Aspha	Hol Applied Asphall		Single wrap	Somastic	rrot Applied Aspirali		Hot Applied Asphall	Hot Applied Aspha	Somastic Single wrap	Hot Applied Asphall	Single wrap
01, 201	LINE SIZE	4.00	Т	2.00	Т	Т	H	+	+	0.75		П	- 1	- 1	$^{+}$	2.00	Н	H	2.00	†	t	$^{+}$	H	2.00	0.50	2.00	7.00	2.00	2.00	2.00	Н	+	7000	2.00	2.00	+	†	1.00	F	Н	†	T	3.00	2.00	0.50	1 00	+	t		2.00	+	+	4.00	2.00	Н	2.00	Н	3.00
		(Availe	+		+	(agu)ge)	+	\dagger	t	H		+	\dagger	t				+	+	t	+	-		(ağı	dyl-a	(Allowed)	ellavs)	t	1ge)	(ellow)	+	Pellown			+	\dagger	+	l	(ellaw)	+	(Alony)		(ellaw)	(eß)	ige)	dilays)	t	(abu		+	(ellaw)	(wolla)	H	H	t	H	
GAS INSPECTION RESULTS:	MATERIAL	PE 2406/2708 ()	Sleel	Sleel	Slee	PE 2406 (Oran	2406 (Ora	Steel	olee olee	Steel	Steel	Steel	Steel	Slee	Sleel	Sleel		Steel	Steel	Older Older	See	Steel	Steel	1 1	PE 2406 (Oral	Other Plastic/al	Steel Steel	alrhd a	Steel	PE 2406 (Oral	PE 2406/2708 ()	Steel	PF 2406/2708 (Yellow	Steel	Steel	Sleel	Steel	Copper	Steel	PE 2406/2708 (Y	77 77	PE 2406/2708 (Y	Steel	PE 2406/2708 (Yellaw)	PE 2406 (Orange)	TE: 2400 (OIS)	Steel	Steel	PE 2406 (Orange)	Steel	- N	SIE61 PE 2406/2708 (Y	2406		Sleel	Steel	Sleel	Sleel
SPECTIC	FEET EXPOSED	10 00	1.00	9.00	2.00	2.00	2.00	2.00	00.0	3.00	3.00	4.00	00'9	4 00	1.00	2.00		0.00	0009	00 F	4.00	20.00	4.00	2.00	3.00	000	00.0	4 00	1.00	2.00		000	0.00	5.00	5.00	5.00	00.9	4.00	00'9		3 00	3.00	5.00	2.00	9.00	0.00	2.00	5.00	3.00	5.00	5.00	2.00	14.00	4.00	2.00	2.00	8.00	
GASIN	CATHODIC PROT YN					T		1	T	T	Ī	>-			E	^				T	Ī	>-		5%	c		T	6	Ī				T	Ī			T	T	>-				>		T	Ī			c		T	Ī	T	^	^	7		
	YEAR C.		t		+	1983	1983	+	\dagger	\dagger	H		+	\dagger	2002	1955			+	†	t	1956			1973	+	\dagger	1072	t	r		+	\dagger	t		+	\dagger	\dagger	1966		\dagger	t			+	t	+	t		H	\dagger	\dagger	\dagger	1954	1984	1905	H	
		(bisid)	+		Opsig)	(blsd)	Opsig)	Onoferi	(bisid)	(c==60psig)	(Gisdgg=>)	(<=00psig)	(<==60psig)	(Seguesia)	+	(c=e0psig)	(==e0psig)	(bisdo)	(Sisdog=>)	(Seedones)	Opsia)	(Spsig)	(c=60psig)	Opsig)	Opsig)	(c=e0psig)	(seedback)	(e=empacia)	(b)sd0	(bjsdo)	(b)sdo	(bisid)	Opsig)	Opsig)	Opsig)	(<==0psig)	(<==e0psig)	+	(Spsig)	Opsig)	(<=e0psig)	(c=80ps(q)	(c==00ps(g)	(sagges)	(c=e0bsig)	(Seedonaly)	(s=egonsia)	(c=e0psig)	(c=e0psig)	(c=e0psig)	(<=e0psig)	(c=eupsig)	(sindo) (sindo)	(6;sd09=>)	Opsig)	(Bisdo)	(bisdo	Ops(g)
	SYSTEM	HD (4:34			HP (<=60psig)	HP (<=)=>) dH	9 (1)	HP (All	HP (<=(HP (<=(HP (<=(HP (<=)	iny) dH		HP (<=)	HP (<=()=>) dH	The Car	MD (Am	HP (<=	SHP (<=)=>) dH)≂>) dH	HP (<=(HP (400)	HP (All	JEST CH	HP (cee	HP (<=(HP (<=€	HP (A.	HP (seelinsin)	HP (<=(HP (<=(HP (<=:	HP (Am		SHP (<=25psig		MP (All All	(¥) (₹)		FF (<=		100	Here	HP (Am	HP (cm	HP (<=	HP (Am		HP (<=(HP (<=(HP (<=60psig)	SHP (<=50psig)	HP (<=60ps(g)	HP (<==60ps(g)
	BLOCK	ŀ	L	Ц	23	L	Ц	ω (1	9	35	35	~	2 5	88	1-1	13	13	~	4 88		\perp	49	2		64 6	7	F	Ļ	8	10	S	1	-	-	55	9 7	1	E	17	45	2	14	7.4	00	-	9	89	_		4	- 06	300	Ц	53	4	10	4
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	WALL	Ļ	1 3870			-	1 4759			_	L	-		_	1 4573	<u>_</u>					1	1 2129	_	Н	1944			1043	Ļ	L		4	+	ļ		4	90003	+	2129	Н	+	+	+-	3869	+	+	+	-	4759	Н	+	+	Ļ	1	₩	821.7	Н	
	REPORT	1/22/1	+	1/24/11	+	+	H	+	+	+	+	Н	1/26/11	1/26/1	1/26/11	1/26/11	1/27/1	1/27/11	1/2//11	1/02//14	1/27/1	1/28/11	1/28/11	1/28/11	-	y 1/31/11	1/31/11	1/21/1	2/1/11	271/11	2/1/11	277.1	2/2/11	2/2/11	2/2/11	2/2/11	2/2/11	0 2/2/11	2/3/11	2/3/11	2/3/11	2/3/11	2/3/11	2/4/11	2/4/11	9/2/44	2/7/11	2/7/11	2/7/11	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11	2/8/11	2/9/11	2/9/11	2/9/11
	ADDRESS	Fresho		Fresno	Fresho	Ridgecrest	Ridgecrest	Fresho	Fresho	Fresno	Kerman	Fresno	Fresno	Fresho	Trona	Trona		Fresno	e e e e e e e e e e e e e e e e e e e	Fresno	Fresno	Ukiah	Fresno	Clovis	Willes	Kettleman City		SAZIRITE	Avenal	Avenal	Fresno	Fresno	Fresho	Fresno	Fresno	Selma	Fresno	San Francisco	Ukah	Fresno	Fresno	Fresno	Bakersfield	Fresno	Fresna	Freeno	Fresno	Fresno		Fresno	Fresho	Clovis	Clovis	Bakersfield	Burney	Ukiah	Fresno	Fresno
	ADDRESS STREET	Barstow		S. Inverness	N Peach F Grant	Porter	Mariposa	S Cherry	F Park Circle	S Cherry	Sath	W Andrews	5	S tellman W Andrews	4 Th	ш		S Minnewawa	0000)	Filondaray	E Terrace	Si. Francis	z	Acacia		Bernard	C Dollor	-	1	1	П	- 1						Onondaga	1	П	E Raich	N Blackstone	Buck Owens	E vyhite	N Hayes	N Doach	Barton			E Balch	E Tulare	Harlan Ranch	Harlan Ranch	Buck Owens	Superior	N State E Balch	S Backer	Elowe
	DISTRICT	Fresno	Fresno	Fresno	Fresho	Kem	Kern	Fresho	Fresho	Fresno	Fresho	Fresno	Fresno	Fresho	Kem	Kern	Fresno	Fresno	Fresno	Freeno	Fresno	Ukiah	Fresno	Fresno	Ukiah	Fresno	Fresho	I ficials	Fresno	Fresno	Fresno	Fresno	Fresho	Fresno	Fresno	Fresno	Fresho	San Francisco	Uklah	Fresno	Fresho	Fresno	Kern	Fresno	Fresno	Freeno	Fresno	Fresno	Kern	Fresno	Fresho	Fresho	Fresno	Kern	Redding	Uklah	Fresno	Fresno
	DIVISION	Fresno	Fresno	Fresno	Fresho	Kem	Kem	Fresno	Fresho	Fresno	Fresno	Fresno	Fresno	Fresho	Kem	Kern	Fresno	Fresno	Fresno	Fresho	Fresho	North Coast	Fresno	Fresno		T	Fresho	T	7	Г	П	T	Fresho	Τ	П	Fresno	T	10	7	П	Fresho	Fresno	Kern	Fresho	Fresho	Freeno	Fresno	Fresno	Kern	Fresno	Fresho	Fresho	Fresno	Kem	North Valley	North Coast	Fresno	Fresno

PACIFIC GAS AND ELECTRIC COMPANY
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January 01, 2011 - June 30, 2011	COATING TYPE			Hot Applied Asphall		Hot Applied Asphall		origie wrap	Hot Applied Asphalf	Hot Applied Asphalt	Mot Applied Asphalf	ile wrap	Other		Hot Applied A sphaff	Single wrap		Double wrap	mastic	Extru Coat	Single wrap	ru Coat	Double wrap	Olmel n statem	Dairble wrap	lied Asphall	Double wrap		Hot Applied Asphalf		Somastic	Samaelie	2000	Single wrap		Single wrap	de Mala	Single wrap		Extru Coat		Single wrap		Single wrap	de wrap	Single wrap		No strong	Double wran		Hot Applied Asphalf	lied Asphalf	Hot Applied Asphall	Hof Applied Asphalt Hof Applied Asphalt	Somastic	Single wrap	gle virap
111 - Jun			L	Hot App		Hot App		Sinc	Hot App	Hot App	Hot App	Sing			Hol App	Sing		Dou	De l	Ext	Sing	Ext	Doul	G	Dout	Hot App	Doul		Hol App		So	8		Sing		Sing	000	Sing		Exa		Sing		Sing	Sino	Sinc		San	Dord		Hot App	Hot App	Hot App	Hot App	So	Sing	Sing
ary 01, 20	CINE SIZE	2.00	2.00	0.75	0.50	2.00	2.00	1.00	1.00	4.00	4.00	8,00	2.00	4 00	1 00	2.00	0.50	0.75	1 00	2.00	0.75	2.00	2.00	1.00	2.00	0.75	2.00	1.00		3.00	3.00	2.00	4.00	2.00		1.00	1.00	3.00	1.25	2.00	1.00	3.00	1.00	3.00	4 00	2.00	1.00	4	0.75	4.00	3.00	2.00	4.00	2.00	3.00	3.00	3,00
	IAI.	CYellow	(Yellow)		4 4		range)	rYellow	-		Steel 2406 (Orange)	(affina)		Voilous			2406 (Orange)		(Yellow)					(Yellaw)				(Yellow)			Vallend	(Lesines)	(Yellaw)				(Yellow)		(Yellow)	Walland	1		(Yellaw)				(Yellaw)	/Vollouid	(Tellum)					I			
RESULT	MATERIAL	2406/270	PE 2406/2708 (Yellow)	Steel	Aldyl A	Steel	PE 2406 (Orange)	2406/2708	Steel	Steel	Siec Siec		Steel	002.0/00700	Sleel	Steel	PE 2406 (C	Steel	2406/2708 /	Sisel	Steel	Stee	Steel	PE 2406/2/08 (Sleel	Steel	Stee	PE 2406/2708 (Yellow)	Steel	Steel	Sieel	San San	PE 2406/2708 (Yellow)	Steel	Steel	Steel	SIEEI PE 2406/2708 (Yellow)	Sleel	PE 2406/2708 (Sleel	2406/2708	Sleel	2406	Sieel	Steel	Steel	PE 2406/2708	202 040/0/0/200	Sand Steel	Stee	Steel	Stee	Sleel	Copper		Steel	Sie
GAS INSPECTION RESULTS:	FEET	1	t	2.00	00.1	5.00	2.00	DD.		4.00	3.00	5.00	3.00	- 0		00'	1.00	2.00	no.	3.00	3.00	3.00	4.00	E 000	4.00	4.00	4.00	H	2.00	4.00		2 00	+	\vdash		3.00	+	5.00	2.00 PF	3,00	t	90.0	PE	4 00	00	9.00	ď.	000	+	00 1	5.00	00'1	00'9	3.00	4.00	5.00	000
AS INSP		ł	t	H	+	Н		+		+		-		+	+	F	-		+	t	t		3	+	Ŧ		3			1	+	f	+	-			+	F		1	+	-	-	+	-	-	-	+	+	1	ľ	3		Ŧ	H		
O	R CATHODIC LL PROTYN	+	-			Н	+	+	-	ш	+	+	î	+	+	H	=		+	-	-			+	+				-	+	+	+	+	Î		_	+	F		+	+	ŀ		+	+	ŀ	-	+	+	+	H			+		\vdash	-
	YEAR	1	1	\vdash	1975	Н				(3)		3 3	1942	1			Н	9) 2011		-	ŀ	3) 1987	(i)			1956	â	0	<u> </u>	()	a	3 6		â		0	0 0	8	<u> </u>				66	a :			<u> </u>	8 2				(i)	<u> </u>	201			
	SYSTEM	definer)	HP (<=60psig)	HP (<=80psig)	HP (<=60psig)	SHP (<=25psig)	HP (<=60psig)	HP (<=60psig)	HP (<==60ps(g)	(P (<=10.5%c)	HP (<=60psig)	LP (<=10.5 Wc)	HP (<=60psig)	Anjord Survey CITI	HP (<=60bs(g)	HP (<=80psig)	HP (<=60psig)	SHP (<=25pslg)	HP (<=60psig)			HP (<=60psig)	HP (<=60psig)	HP (<=60ps(g)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	MP (<=60psig)	HP (<=60psig)	HP (<=60psig	HP (<=60pstg)	HP (<==60nsin)	HP (<=60psig)	HP (<=60psig		HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig	HP (<=60psig	HP (<=60nsi	HP (<=60psig	HP (<=60psig)	HP (<=60psig)	P (<=60ps	HSd09=>) d	HP (<==60ps(g)	HP (<=60psig	MP (<=60nsin	HP (<=60psig	HP (<=60psig)	HP (<=80psig	HP (<=60psig	HP (<=60psig	HP (<==60psig	HP (<==80psig	P (<=60psu
	вгоок	Т	Т	33 H	E E	П	13 H		+	H	44 H	+	Н	96	+		П	\$ \$	†	t	t	Н	H		†	t		H	7	47 H	+	†	+	- T	Н	# C	+	t	H	Z 202	+	T	П	9 4	Т	Τ	73 H	∠ %	†	t	Н	Н	H	53 H	†	70 H	-
	PLATE	500	D02	305	909	E01		\dagger		A01	\dagger	T	A01	1	T		807	004	\dagger	B06	T	B06		1	\dagger	A02					1	T	İ				+		E03	\dagger	T	\mid		\dagger	T	T		+	\dagger	T	\vdash			80Q		+	
	WALL	8028	5025	820	820	П				5028			2908			-	_	5220		5027		5027				200									- 2				5220															5027			
	REPORT	2/9/11	2/9/11	2/9/11	2/9/11	2/10/11	2/10/11	2/10/11	2/10/11	2/10/11	2/11/11	2/11/11	2/11/11	2/14/11	2/14/11	2/14/11	2/15/11	2/15/11	2/16/11	2/16/11	2/16/11	2/16/11	2/17/11	2/17/11	2/1//11	2/18/11	2/18/11	2/22/11	2/22/11	2/22/11	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	2/28/11	2/28/11	2/28/11	3/4/44	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	3/3/11	3/3/11	3/3/11
	ADDRESS	Rakersfield		Burney	Burney	Ukiah	Tranquillity	Fresho	Fresno		Fresho	Bakersfield	Vallejo		Fresno	Fresno	Bakersfield	Taff	Fresho	Bakersfield			Fresno	Fresno	Fresho	Hayward	Fresno	Fresno	Fresho	Fresno	Fresno	Fresho	Fresno	Sanger		Fresno	Fresno	Fresno	Taff	Avenal	Fresno	Fresno	Fresno	Fresho	Fresno	Fresna	Fresno	Fresno	Liesun Fresho	Fresno	Fresno	Bakersfield	Bakersfield	Fresho	Fresno	Fresno	r resno
	ADDRESS STREET			Plumas	Gunsmith	Apple	Anthony	E Balon	E Alla	Niles	Ventura	King	Revere		E Alla	NFruit	Lexington	Kern	N Blackstone	California	U	ĸ	E Swiff	Crystal	F Swiff	Oakes	Beechwood	W Pine	E Alta	NFruit	W Medges	W maturinum	Belmont		Embarcadero	E Alla	N Delno	N Tellman	Buchanan	E Monterey	N Carrith	N Vagedes	W Olive	EAlla	E Clinton	E Vassar	W Vassar	E University	VV Belmont	E Clinton	N Van Ness	California	ω E	E Atta Milham	E El Monte	N Vagedes	N I hame
	DISTRICT	Karn	Kern	Redding	Redding	Ukiah	Fresno	Fresho	Fresno	Kern	Fresho	Kem	Vallejo	Mission	Fresho	Fresno	Kern	Kem	Fresho	Kern	Kern	Kern	Fresno	Fresho	Fresho	Mission	Fresho	Fresno	Fresho	Fresho	Fresho	Fresho	Fresho	Fresno	San Francisco	Fresno	Fresho	Fresno	Kern	Fresho	Fresho	Fresno	Fresno	Fresho	Fresna	Fresho	Fresno	Fresmo	Fresho	Fresho	Fresho	Kern	Kern	Fresho	Fresno	Fresno	Fresmo
	MOISIAIG	Kern	Kem	North Valley	North Valley	North Coast	Fresno	Fresho	Fresno	Kem	Fresho	Kem	North Bay	Mission	Fresho	Fresno	Kern	Kem	Fresho	Kem	Kem	Kern	Fresno	Fresho	Fresho	Mission	Fresno	Fresno	Fresho	Fresno	Fresho	Fragno	Fresho	+	900	Fresno	Fresho	Fresno	Kem	Fresho	Fresho	Fresno	Fresno	Fresho	Fresho	Fresno	Fresno	Fresno	Fresho	Fresho	Fresno	Kem	Kern	Fresho	Fresno	Fresno	Fresho

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

										GAS II	VSPECTION	ON RESULTS: Janua	ary 01, 20	11 - June 30, 2011	1									
DIVISION	DISTRICT	ADDRESS STREET	ADDRESS CITY	REPORT DATE	WALL MAP	PLAT	BLOCK	SYSTEM PRESSURE	YEAR INSTALL	CATHODIC PROT YN	FEET EXPOSED	MATERIAL	LINE SIZE	COATING TYPE	COATING COND	GIRCUM WELD COND	EXTERNAL GOUGING		COATING REPAIRED Y/N	SUPPORT COND	GOUGING Y/N	DISCOLOR YIN	GRACKING Y/N	TEECAP CRACK Y/N
Fresno	Fresno	N Thorne		3/3/11			52	HP (<≈60psig)				PE 2406/2708 (Yellow)	1.00		Good			n		Good	n	n	n	n
Fresno	Fresno	Broadway	Fresno	3/3/11	1		41	HP (<≈60psig)	†		1.00	PE 2406/2708 (Yellow)	1.00			-	-				n	n	n	n
Fresno	Fresno	North	Sanger	3/3/11			8	HP (<=60psig)	†	l	4.00	Steel	2.00	Double wrap	Excellent		None	У	У		n	n	n	n
Fresno	Fresno	North		3/3/11			8	HP (<≃60psig)			4.00	Steel	2.00											
Kern	Kern	Terrace	Bakersfield	3/4/11	5027	D06	9	HP (<=60psig)	1952		1.00	Sleel	0.75	Double wrap	Good		None							
Fresno	Fresno	E Mono	Fresno Taft	3/4/11	-		15 15	HP (<=60psig)	2011		6.00 4.00	Steel Steel	3.00 2.00	Hot Applied Asphalt Somastic	Fair	4	None	У	у	01				-
Kem Fresno	Kern Fresno	Naylor E Lane	Fresno	3/7/11	-		10	SHP (<=25psig) HP (<=60psig)	-		4.00	PE 2406/2708 (Yellow)	2.00	Somasuc	Fair Good	Acceptable	None None	n	У	Good	n	n	n	n
Kern	Kern	Porter	Ridgecrest	3/7/11			33	HP (<=60psig)			2.00	PE 2406 (Orange)	2.00		Gua		14000	· '		9000	n n	n	n	n
North Valley	Redding	Canby	Redding	3/7/11	1080		1	HP (<≃60psig)	1963	¥	2.00	Steel	0.75	Double wrap	Good		None							
Fresno	Fresno	E Lowe	Fresno	3/8/11	1		4	HP (<=80psig)	1			PE 2406/2708 (Yellow)	1.00		Good		Light	n	n					1
Fresno	Fresno	E Lowe	Fresno	3/8/11			4	HP (<=60psig)				PE 2406/2708 (Yellow)	1.00		Good			n	n	Good				
Fresno	Fresno	E El Monte	Fresno	3/8/11			18	HP (<=60psig)			7.00	Steel		Single wrap	Fair		None	n						
Fresno Fresno	Fresno Fresno	Columbia E El Monte	Fresno Fresno	3/8/11	-	-	14	HP (<=60psig) HP (<=60psig)	-		7.00	PE 2406/2708 (Yellow) Steel	1.00	Cia al a como	Good		None	n		Good	n	n	n	n
Kem	Kern	Fashion	Bakersfield	3/8/11	4931	J04	10	HP (<=80psig)	2011	n	7.00	PE 2406/2708 (Yellow)	2.00	Single wrap	1.98		House	"			n		n	n
North Coast	Eureka	D	Eureka	3/9/11	848		111	HP (<=60psig)	2011	ļ''	7.00	Sleel	2.00				ļ							 ''
Fresno	Fresno	E Lowe	Fresno	3/9/11	1	1	4	HP (<≈60psig)	 	 	7.00	Sleel	3.00	Single wrap	Fair	Acceptable	None						 	1
Fresno	Fresno	S	Avenal	3/9/11			15	HP (<=60psig)			4.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno	Fresno	N Brawley	Fresno	3/9/11			7	HP (<≈60psig)			2.00	Steel	4.00	Hot Applied Asphalt	Good		None	У	У					
North Valley	Red Bluff	Olive	Corning	3/9/11																				
Fresno	Fresno	E Lowe	Fresno	3/10/11	-	-	4	HP (<=60psig)	-		5.00 5.00	Steel	3.00	Single wrap	Fair	Acceptable	None	n	n					-
Fresno	Fresno Kern	E Lowe OLIVE	Fresno Trona	3/10/11	5220	H04	4.6	HP (<=60psig) SHP (<=25psig)	2011		5.00 4.00	Steel Steel	3,00 2,00	Single wrap Hot Applied Asphalt	Fair Fair		None None	n	n					-
Kem	Kem	Eye	Bakersfield	3/11/11	5027		42	HP (<=60psig)	2011	n	1.00	PE 2406/2708 (Yellow)	0.50	mot Applied Aspiral	r an		INORE	y	, ,		n	n	n	n
Fresno	Fresno	Fulton	Fresno	3/11/11			5	HP (<=60psig)	-		3.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
San Francisco	San Francisco	Ellis	San Francisco	3/11/11	2	F02	36	HP (<≃60psig)	2011	y	2.00	Steel	2.00	Double wrap	Excellent		None							
North Bay	Marin	Cardinal	Mill Valley	3/12/11	3041	B06	11	HP (<≃60psig)	1952	у	4.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	У	у	Good				
Kern	Kem	Ming	Bakersfield	3/14/11	5027	F04	31	HP (<=60psig)	2011	У	2.00	Steel	0.75	Double wrap	Fair		None	У	n	Good	n			
Name Occupa	Ukiah	1024	Redwood	0/44/44	0000	1007	14	110.7. 00. 110	4075		1.00	DE 2402 (2	4.00											1
North Coast Fresno	Ukian Fresno	West E Montecito	∀alley Fresno	3/14/11	2007	J07	14	HP (<=60psig) HP (<=60psig)	1975	n	9.00	PE 2406 (Orange) Steel	3.00	Single wrap	Fair	Acceptable	None	n				n	n	
Fresno	Fresno	E El Monte	Fresno	3/14/11		-	21	HP (<=60psig)			9.00	PE 2406/2708 (Yellow)	1.00	Single wrap	Good	Acceptable	None	n n	n					
Fresno	Fresno	E Hamilton	Fresno	3/14/11	 		36	HP (<=00psig)	 		3.00	PE 2406 (Orange)	1.00				110000	·			n	n	n	n
Fresno	Fresno	S 10th	Fresno	3/14/11	1		33	HP (<=60psig)	1		3.00	PE 2406 (Orange)	1.25								n	n	n	n
Fresno	Fresno	E Sierra	Fresno	3/14/11			4	HP (<=60psig)			3.00	Steel	3.00	Somastic	Excellent		None			Good				
Fresno	Fresno	S 10th	Fresno	3/14/11			33	HP (<=60psig)			3.00	PE 2406 (Orange)	1.25								n	n	n	n
Kern	Kern	Ming	Bakersfield	3/14/11	-		1	HP (<≃60psig)	1983		4.00	Steel	6.00	Extru Coat	Excellent	Acceptable	None			Good				
Fresno	Fresno Fresno	E Montecito E El Monte	Fresno Fresno	3/15/11	-	\vdash	18 21	HP (<=60psig) HP (<=60psig)	-		7.00	Steel PE 2406/2708 (Yellow)	3,00 1,00	Single wrap	Fair Good	Acceptable Acceptable	None	n	n	Good				
San Francisco	San Francisco	Rivera	1 103110	3/16/11	┼	-	41	Tir (==oupsig)	 	}	2.00	Steel	1.00		5000	Ассерлане		"		9000				
Fresno	Fresno	Fulton	Fresno	3/16/11	 	-	75	HP (<=60psig)	 		4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	l n
Fresno	Fresno	Montecito	Fresno	3/16/11	1		18	HP (<=60psig)	<u> </u>	У	7.00	Steel	3.00	Single wrap	Fair	Acceptable	None							1
Fresno	Fresno			3/16/11			17	HP (<=60psig)		У		Steel	3.00	Other	Good			n		Good	n	n	n	n
Fresno	Fresno	E Lane	Fresno	3/16/11	1		5	HP (<=60psig)		У		Steel	2.00	Other	Good			n			n	n	n	n
Fresno	Fresno Kern	E Church	Fresno Taft	3/16/11		G02	15	HP (<=60psig)		ļ	4.00 6.00	Steel OF 2406 (Orange)	4.00 4.00					-			<u> </u>	.,		1
Ketti	Nern	-	Shasta Lake	3/10/11	0220	G02	10	HP (<=60psig)		n	0.00	PE 2406 (Orange)	9.00					-			n	У	n	n
North Valley	Redding	Grand	City	3/16/11	1011	B03	9	HP (<≃60psig)	1968	y.	1.00	Steel	0.75	Tape	Good		None							
North Bay	Marin	Rock Hill	Tiburon	3/16/11		J04	9	HP (<≃60psig)	1994	n	13.00	PE 2406/2708 (Yellow)	1.00			 	l				n	n	n	n
			Redwood		1																			
North Coast	Uklah	Ellen Lynn	∀atley	3/17/11	2007	J07	5	HP (<=60psig)	1975	n	3.00	PE 2406 (Orange)	0.50									n	n	
North Coast	Ukiah	West	Redwood	3/17/11	2007	.107	14	HP (<≃60psig)	1975	_	3,00	PE 2406 (Orange)	0.50								_		n	
Fresno	Fresno	44626	Valley Fresno	3/17/11	2007	307	17	HP (<≃60psig)	1870	n y	3,00	PE 2406 (Orange) Steel	3,00	Other	Good			n		Good	n n	n n	n	n
Fresno	Fresno	E Balch	Fresno	3/17/11	 		1	HP (<=60psig)	-	- 7	5,00	Steel	2.00	Somastic	Good	-	None	- "		5000	- "	11	- "	 "
Fresno	Fresno		Tranquillity	3/17/11	1		16	HP (<=60psig)	1		6.00	PE 2406/2708 (Yellow)	2.00	***************************************		 	1				n	n	n	n
North Coast	Eureka	Pennsylvania	Eureka	3/17/11			12	HP (<≃60psig)	1946	У	4.00	Steel	4.00	Somastic	Excellent		None	n	у					
North Coast	Eureka	Pennsylvania	Eureka	3/17/11	_849		12	HP (<=60psig)	1946	У	4.00	Steel	4.00	Somastic	Excellent		None	n	У					
North Coast	Eureka	Pennsylvania	Eureka	3/17/11		105	12	HP (<=60psig)	1946	У	4.00	Steel	4.00	Somastic	Excellent		None	n	У					-
Fresno Nevib Coost	Fresno	E Ashlan	Fresno	3/18/11	3804	1000	12	HP (<=60psig)	1955	У	6.00	Steel	0.75	Hot Applied Asphalt	Good		None	У	У	Good				-
North Bay	Eureka Marin	Pennsylvania Magnolia	Eureka Larkspur	3/18/11	_849 2985		12 27	HP (<=60psig) HP (<=60psig)	1946	y n	4.00 5.00	Steel PE 2406/2708 (Yellow)	4.00 1.00		-						n	n	n	1 0
Fresno	Fresno	E Simpson	Fresno	3/20/11	2000	1204	20	HP (<=60psig)	 	<u> </u>	5.00	Sleel	0.75				 				n 11	n	n n	'i
Kem	Kem	Filson	Bakersfield	3/21/11	5028	G01	3	HP (<=60psig)	1996	n	3.00	PE 2406/2708 (Yellow)	0.50			 	 	-			n	n	n	
Fresno	Fresno	L.	Fresno	3/21/11	1		53	HP (<=60psig)	1		3.00	Steel	4.00	Double wrap	Good		None							
Fresno	Fresno	L.	Fresno	3/21/11			53	HP (<≃60psig)			3.00	Steel	4.00	Double wrap	Good		None							
Fresno	Fresno		Fresno	3/22/11	1		17	HP (<≃60psig)		У		Steel	3,00	Other	Good		None	n		Good	n	n	n	n

PACIFIC GAS AND ELECTRIC COMPANY
DEPTIND RESULTS: IMPLIANY 01, 2011, JUNE 30, 2011

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January 01, 2011 - June 30, 2011	COATINGTYPE		Single wrap	L Applied Asphall	Double wrap	Single wrap	Hot Applied Asphalf	Bare/None		Olevelo surees	Single wrap		Single wrap	Other	Character & section 6	not Applied Asphalt	Single wrap			Single wrap	-	Anniled Asnhall	(Applied Asphall	Hot Applied Asphall				I Applied Asphall	Single wrap				Single wran		Single wrap			Other	Hot Applied Asphalf	Single wrap	Disordo comos	Applied Asphall			Desible wiren	Louine wrap	Hot Applied Asphall			Single street	de la alfille	Hof Applied Asphall			Hol Applied Asphall	(Applica Aspron	Single wrap	і Арріїед мэрліэл
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GAS INSPECTION RESULTS: J	MATERIAL		See S	Sleel	Sleel	PE 2406 (Orange	Steel	Steel	06/2708 (PE 2406 (Orange)	Sleet Sancrana over	LC 2400/2100 (Lell	Steel	Steel	PE 2406 (Orange	SIBBI Afril A	Steel	PE 2406 (Orange	PE 2406 (Orange)	Steel	DE 9406/9708 (Vall	rt z+uuzzuu (reg	Steel	Steel	PE 2406/2708 (Yell	Sleel	PE 2406/2708 (Yellow)	Sleel Steel	Steel	PE 2406 (Orange)		PE 2406 (Orange)	PE 2405/2708 (Yellow Steal	PE 2406/2708 (Yell	Steel	PE 2406 (Orange)	DE 2406/2708 (Vall	2	Steel	Steel	Pt: 2406/2708 (Yell	Sign	PE 2406/2708 (Yell	Aldyl A	PE 2406/2708 (Yell	Siege Siege	Steel		PE 2406 (Orange)	Sign	Sign	Sleel	PE 2406 (Orange	Steel	PE 2406/2708 (Yell Steel	PE 2406/2708 (Yell	Steel	Sietti
SPECTIO	FEET		3.00	3.00	3.00	3.00	4.00	4.00	9.00	2.00	00.1	+	00'9	П	7	T	0.00	t	3.00	4.00		2.00	3.00	3.00	3.00	4.00	00.9	4 00	11.00	\vdash		П	00.1	4.00	4.00	4.00	008	2,00	1.00	00'9	4.00	2.00	4.00	4.00	4.00	3.00	3.00		1.00	1.00	5,00	4.00	8.00	5.00	3.00	4.00	8.00	4.00
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	SYSTEM		<=e0psig)	(c=e0bsig)	(e=e0psig)	c=e0ps(g)	=60psig)	(<==80bsig)	=e0ps(g)	(<=e0psig)	(seeOpsig)	-onhaig)	(<=e0psig)	(<=@0bsid)	(Sisdog=>)	(Bisdnass)	(blado)=	=60psig)	(e==60psig)	=60ps(g)	(<=60psig)	(c=@finsin)	=25psiq)	=60psig)	=60psig)	=60psig)	(Bisding:	= enopergy	=60psig)	(<==60psig)	=60ps(g)	(<=e0psig)	(Bisdna=>)	::60psig)	(<=e0bsig)	(<==90psig)	(<=60psig)	(<=60psiq)	(e==60psig)	(<=00bsid)	(<==00psig)	=60psin)	(e==60psig)	(e=e0psig)	(c=e0psig)	(<==odpaig)	(bisd09=>)		HP (<=60psig)	HP (<=60psig)	HP (<=00psia)	(Gindag=>)	(e=e0psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<==blibbig)
			1	ď	£ 5	ĖĖ	유	Ê	HP (<	A 6	V S GE		HP (A	>) AM	Ž 9		윺	Y E	HP (<	Y)	AP (A	NP (A	SHP	HP (HP (<	NP (s	Y G	A P	Y) dH	HP (<	HP (<	>) HP (*	Y OH	HP (V	HP (s	보	2 2	E E				V) dH		Y HD (A GH			-	HP (V) dH	HP (A)	HP (×	HP (<	H G	h di	+	H	7
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			2711	+-	3/22/11 1	3/23/11	3/13	3/24/11	1/11	3/24/11	4	3/26/11	3/28/11	3/28/11	3/28/11	3/28/11	3/28/11	3/28/11	3/28/11	3/11	3/29/11	3/29/11	+	₩	3/30/11	3/30/11	+	+	+	11/0	0.11	3/3 0/11	4/1/11	4/4/11	4/4/11	=	112	4/5/11	4/5/11	411	4/6/11		₩	H	4///11	4/8/11	15	+	+	+			H	2/11	4/12/11	-	3/11	1
	SS REPORT DATE		+	+-	H	+		H	+	+	+	+	+	Н	+	+	+	+	-		\dagger	†	t	t	H	H	+	+	+	0 3/3		H	†	+	H	7	\dagger	†	t	H	+	+	t	Н	+	†	\dagger	+	+	+	4/11/11	+	П	H	+	\top	H	0 4/13/11
	ADDRESS		Fresno	Bakerst	Anderson	Bakersfield	Bakersfield	Fresno	Fresn	Oildal	Eurek	Fresho	Fresn	Fresn	Fresh	Freen	Fresh	Bakersf	Ridgect	Fresno	Fresho	Fresh	Taff	Fresn	Fresn		Redding	Sebasional	Fresno	Fresn	Fresn	Fresn	Frach	Fresno	Fresno	Bakersfield	Frace	Fresho	Fresno	Fresh	Fresno	Fresho	Fresno	Reddir	Fresho	Selma	Fresno	Redwood	Valley	San Carlos	Fresho	Bakersfield	Hopland	Fresno	Trona	Fresno	Fresno	rresno
	ADDRESS STREET		E Lane	Ponliac	North	E Lane Keith	Palamino	E Michigan	E Grant	Wilson	Excelsion	N.Lorna	E Kings Canyon	Montecito	E Healon	S Cedar	S.Lind	Chester	Porter	E Balch	S Lind	E womento	Oak	E Buller	E Montecito		Old Alturas	Robinson	E Kings Canyon	E Batch	E Montecito	N First	S Whitney	E Liberty	E Balch	1985	Bliff	N Van Ness	E Mildreda	S Whitney	E Liberty	5 Willing	S Fowler	Hwy 299	E Liberty Associa	Dackery	linya		Tomki	Cheshul	N Sunset	Hayslett	Mountain House	S Holloway	S Howell	S Parallel	E Lyell	IN FISHEL
	DISTRICT		Fresho	Kern	Redding	Kern	Kern	Fresno	Fresno	Kem	Eureka	Fresho	Fresno	Fresno	Fresno	Freeno	Fresno	Kern	Kem	Fresno	Fresho	Fresho	Kem	Fresno	Fresno	Fresno	Redding	Santa Rosa	Fresno	Fresho	Fresno	Fresno	Fresho	Fresno	Fresno	Kern	Fresno	Fresho	Fresno	Fresno	Fresho	Fresho	Fresho	Redding	Fresho	Freshn	Fresno		Uklah	Fraena	Fresho	Kem	Ukiah	Fresno	Fresno	Fresno	Fresno	resno
	DIVISION		Fresho	Kern	North Valley	Kern	Kern	Fresno	Fresno	North Cross	Nonn Coast	Fresho	Fresno	Fresno	Fresho	Freeno	Fresno	Kem	Kem	Fresno	Fresho	Fresho	Kem	Fresno	Fresno	Fresno	North Valley	North Coast	Fresno	Fresno	Fresno	Fresno	Fresho	Fresno	Fresno	Kern	Fresho	Fresho	Fresno	Fresno	Fresho	Fresho	Fresno	North Valley	Fresho	Freshi	Fresno		North Coast	Feninsula	Fresho	Kern	North Coast	Fresno	Fresho	Fresno	Fresno	Fresho

Fresno	North Valley	Fresno	Fresno	Kem	North Valley Fresno	100000	Kam	Fresno	Fresno	North Bay	Fresno	Kem	Kern	North Valley	North Valley	Kern	North Bay	Central Coast	Disair a	Orient 1	Disara	Fresno	North Valley	Kern	Fresno	Fresno	Fresno	Fresno	Kem	Kem	North Valley	Fresno	Fresno	North Valley	Kern	Fresno	Kem	Ergeno	Fresho	San Jose	Fresno	Kem	Kem	Fresno	North Coast	North Valley	Kern	North Bay	Fresno	Fresho	Fresno	Fresno	Fresno	Fresno	Fresno	Fresno	North Valley	Kern	Kern	Kern	Presmo	Moisivia	
Fresno	Redding	Fresno	Fresno	Kern	Redding	10000	Kam	Fresno	Fresno	Vallejo	Fresno	Kem	Kern	Redding	Redding	Kem	Napa	King City	Do Anza	Craeara Orical i	Disain	Fresno	Redding	Kem	Fresno	Fresno	Fresno	Fresno	Kem	Kem	Redding	Fresno	Fresno	Redding	Kem	Fresno	Kern	Fraeno	Freeno	San Jose	Fresno	Kem	Kern	Fresno	Ukiah	Red Bluff	Kanejo	Vallejo	Fresno	Fresno	Fresno	Fresno	Fresno	Fresno	Fresho	Fresno	Red Bluff	Kern	Kern	Kern	Fresno	DISTRICT	
SEIm	Mussel Shoals	De Will	De Will	Eastwind	N Cadar	400000	Walley -	N Peach	S Peach	Tennessee	4th	White	E 19th	Island	Island	S China Lake	Riverside	Oak	Carmelita	Discounties at	Ni Blockdono	Greenwood	Magnolia	E 1185	E Balch	Shaw		X	Boron	Monroe	Churn Creek	Harlan Ranch	Harlan Ranch	Treefoil	A	Academy	Hughes	Daleh Palentining	N Grantland	Michigan		California	Dawning	E Illinois	McDowell	(J)) andlev	Daniels	S Holloway	t: Kings Canyon	E Kaviland	Cedar	N Blackstone	S Holloway	S Holloway	S Holloway	Rio	W Benson	19th	Prala	Madera	ADDRESS STREET	
Fresno	Shasta Lake City	Sanger	Sanger	Bakersfield	City	Shasta Lake	Bidnacrael	Freeno	Fresno	Vallejo	Sanger	Bakersfield	Bakersfield	Redding	Redding	Ridgecrest	Napa	Greanfield	Mal Manuel	Olice I I	Pinsara	Sanger	Redding	Bakersfield	Fresno	Clevis	Sanger	Sanger	Boron	Taff	Redding		Fresno	Cettonwood	Bakersfield	Sanger	Bakersfield	Eraeno	Frasno	Alviso		Bakersfield	Bakersfield	Fresno	Hopland	Red Bluff	Ridgecrest	Vallejo	Fresno	r-resno	Fresno	Fresno	Fresno	Fresno	Fresno	Fresno	Red Bluff	Bakersfield	Bakersfield	Bakersfield	Avenal	Clin	
5/13/11	5/12/11	5/12/11	5/12/11	5/11/11	5/9/11	0.00	67074	5/9/11	5/9/11	5/9/11	5/8/11	5/4/11	5/4/11	5/3/11	5/3/11	5/3/11	5/3/11	5/3/11	60001	5/5/4	11/2/6	5/2/11	4/29/11	4/29/11	4/29/11	4/29/11	4/29/11	4/29/11	4/29/11	4/28/11	4/28/11	4/28/11	4/28/11	4/27/11	4/27/11	4/27/11	4/26/11	4 1 100 A 100	4/25/11	4/25/11	4/22/11	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	4/15/11	4/15/11	4/14/11	4/14/11	4/14/11	4/13/11	4/13/11	4/13/11	4/13/11	4/13/11	DATE	
+	1011	T	†	T	1010	1	t	T		2907	1		1	1150	1150	1	2711	4465	OFFEE	T	T	T	1079	r	-	-			1	7	1080	†	1	1221	†	1	T	T	T	3351	200	r	l		2252	1360	2400	2907		r	T	T	T	T	r	r	1361		5027	+		MAP	
	A02		I	I	805		I			A.05				A01	A01	1	J02	BON O	105	Ī	I	I	C05								DOS			D06		1	I	I		C02					C05		000	10 S					I				ĩO1		A08				
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HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	H₽ (<=60psig)	(Sunday 1 m)	MP (<=80nsin)	HP (<=60ps(g)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	(Godoo :) all	(Riedonal)	(Blackbooks)	Chischon (America)	HP (<=80psig)	HP (<=60psig)	HP (<=60psig)	LP (<=10.5 we)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=80psig)	SHP (<=25psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HD (~~GOpsig)	HD (2 PROperty)		HP (<=60psig)	HP (<=60psig)		HP (<=60psig)	HP (<=60psig)	LP (<=10.5*Wc)	(Geodoon)	HP (<=60nsig)	HP (<=60psig)	MP (<=supsig)	MP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=80psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	(DISQ(88=>) CH	PRESSURE	
1930	1965			1986	1964			1940	1985	1991		1978		1982	1962	2011	1990	1959	1047	1107	2004	1940	1967	2011		2011		2011		1972	1967	2010	2010	1971		2011	Ī	2021	2004						1996	1963	1983	2017	3								1962	1983	1987	1949		INSTALL	
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3.00	6.00		2.00	2.00	3.00	0.000	200	3.00		5.00	2.00	1.00	4.00			2.00	200	16.00	200	3000	2.00	2.00	2.00	4.00	6.00	6.00		1.00	2.00	1.00	3.00	8.00	10.00	3.00	2.00	3.00	3 00	200	4.00	2.00	4.00	5.00	1.00	5.00	6.00	4.00	600	3,00	3.00	3.00	6.00	10.00	4.00		6.00		2.00	4.00	4.00	2.00	4 00	EXPOSED	
	Steel			PE 2406 (Orange)	Steel Steel	Contraction of the second	07 90FC 3d	PE 2406 (Orange)		PE 2406 (Orange)	Sieel	PE 2406 (O	Sleel			Steel	PE 2406 (Orange)	Steel	Signal Signal	Class A	Aldel	Slee	Slee	Sleel	Stee	PE 2406/2708			Sleel	PE 2406/2708 (Yellow)	Sieel	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellaw)	Steel	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellow	Sleel	Charles on the state of the sta	IDSIC SIG	Sieel	Sleel	PE 2406 (Orange)	Steel	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellow)	Siee	PF 2406 (Orange)	07 90 PC 3cd	PE 2406/2708	Siee	Signel	Siee	PE 3408 (Black)		Steel		Sleel	PE 2408 (O	PE 2406 (Orange)	Steel	PE 2406 (Orange)	D MATERIAL	
			6	range)	(Yellow)	(agree)	(Louise)	range)		range)		range)					range)			1						(Yellaw)				(Yellow)		(Yellow)	(Yellaw)		(Yellow)	(Yellaw)		(agigo)	ranga)			range)		(Yellaw)	(Yellow)		range)	(approx	(Yellow)				Black)					range)	range)	9.7	range)	A	
	0.75			0.50	0.75	2.000	200	0.50		0.50	2.00	0.50	2.00	2.00	2.00		1.00	4.00	0.75	3 000	1 1 1 1 1 1	2.00	L	2.00					2.00	0.50	2.00	4.00	4.00	0.75	2.00		200	4 00	4.00	2.00	3.00	2.00	16.00	0.50	2.00	1.25	200	0 50			2.00		1	1	2.00		0.75	0.50	2.00	0.76	200	TIME SIZE	
	Tape				Hot Applied Asphall								Single wrap	Double wrap		Hot Applied Asphall	and the second second	Hot Applied Asphalt	Had Applied & enhalt	Other		Other	Double wrap	Single wrap	Hot Applied Asphall				Double wrap		Other			Other	-	Double wrap	Hal Applied Asphall	Lind Applied Aepholi	Double wrap	Hot Applied Asphalt	Hot Applied Asphall					Single wrap		Other		Umer	Single wrap	Double wrap	Hot Applied Asphall		Single wrap		Double wrap			Single wrap		COATING TYPE	
	Good	Fair	Fair	1	Good	1	T				1		Good	Good	1	Good		Good	Eventa allo	200	T	rair	Τ	Good	m	Н			Good		Good	1	1	Excellent	1	Good	Good	T	5000	Good	Excellent	T	r		1	Good	T	T	\dagger	1,	Fair	+	t	t	Fair		Good			Fair	1	COMP	
			+	+		+	+	-	_									+	M						ini								1	ä	+		1	+			mt Acceptable	╁	-				+			100												METR COMP	
	None		1		None	1	T						None	None		None		None	None	Plons	T	None	None	None	None				None		None	1		None			Nane	None	None	None	None					None		None	None	None	None	None	None		None		None			None		SOUGHA	
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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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SB_GT&S_0022153

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

										GAS II	NSPECTION	ON RESULTS: Janua	ary 01, 20	11 - June 30, 2011	1									
DIVISION	DISTRICT	ADDRESS STREET	ADDRESS	REPORT		PLAT	BLOCK	SYSTEM	YEAR	CATHODIC	FEET	MATERIAL	LINE SIZE	COATING TYPE	COATING	CIRCUM	EXTERNAL		COATING REPAIRED	SUPPORT		DISCOLOR		TEECAP
			GITY	DATE	MAP			PRESSURE	INSTALL	PROT YN	EXPOSED				COND	WELD COND	GOUGING	Y/N	Y/N	COND	Y/N	Y/N	YIN	Y/N
Fresno	Fresno	W Larsen	Fresno	5/13/11	+		3	HP (<=60psig)		V	2.00													+
Fresno	Fresno	S Clara	Fresno	5/16/11	1	†	18	HP (<=60psig)	†	ý	3.00				-	-								1
Fresno	Fresno	S Cherry	Fresno	5/16/11			5	HP (<=60psig)		У	3.00	PE 2406 (Orange)												
Fresno	Fresno	Recreation	Fresno	5/16/11		I	48	HP (<=60psig)	2011	У	2.00													
Kern Fresno	Kern Fresno	Truxtun Elm	Bakersfield Fresno	5/16/11	5027	B03	14	HP (<=60psig) HP (<=60psig)	1945	У	7.00	Steel	0.75	Single wrap Other	Fair Fair		None	У	У	Good			<u></u>	+
Central Coast	Coast	41st	Capitola	5/18/11	3678	D02	50	HP (<=60psig)	1946	y V	1.00	Steel	4.00	Somastic	Excellent		None	n	n	Good	-		<u> </u>	+
North Coast	Ukiah	Luff	Ukiah	5/18/11			7	SHP (<=25psig)	2011	n	80.00	PE 2406/2708 (Yellow)	1.00	0.000	Lindonom		110000				n	n	n	n
Fresno	Fresno	Jefferson	Fresno	5/18/11			19	HP (<=60psig)																
North Bay	Vallejo	Inca	Vallejo	5/19/11	2908	C01	6	HP (<=60psig)	1955	n	5.00	Steel	0.75	Other	Good		None			Good				
Fresno	Fresno Kem	E Washington Mary Ann	Fresno Ridgecrest	5/19/11	-	-	24	HP (<=60psig) HP (<=60psig)	-	y n	2.00	PE 2406 (Orange) Aldyl A	0.50								n	n n	n n	n
Kem	Kern	Panama	Bakersfield	5/19/11	5026	┼	5	HP (<=60psig)	2011	11	3,00	PE 2406/2708 (Yellow)	8.00		1						n	n	n	n
Central Coast	Hollister	4th	Hollister	5/19/11		A01	1	HP (<=60psig)	1987	٧	4.00	Steel	2.00	Hot Applied Asphalt	Good	Acceptable	None	n	y	Good	n	n	n	n
Central Coast	Coast	3rd	Santa Cruz	5/24/11	3675	E'04	44	HP (<=60psig)	1970	y	3.00	Steel	2.00	Extru Coat	Excellent		None	n	n	Good				1
Fresno	Fresno	W Shields	Fresno	5/24/11			3	HP (<≃60psig)	2011	n	6.00	PE 2406 (Orange)	2.00								n	n	n	n
Kern	Kern Kern	City In The Hills Sillect	Bakersfield Bakersfield	5/24/11	1000		63	HP (<=60psig)		n	3.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kem	Kern	Sillect	Bakersfield Bakersfield	5/24/11		-	48	HP (<=60psig) HP (<=60psig)		n	3.00	PE 2406 (Orange) PE 2406 (Orange)	2.00				}				n	n n	n	n
Central Coast	Coast	Capitola	Capitola	5/25/11	3676	C03	24	HP (<=60psig)	1930	- II	11.00	Sleel	3.00	Single wrap	Poor		None	V	V	Good	- "	 "		+ "
Fresno	Fresno	N Hughes	Fresno	5/25/11			73	HP (<=60psig)		у	1			·										
Fresno	Fresno	Fullon	Fresno	5/25/11			97	HP (<=60psig)				PE 2406/2708 (Yellow)	2.00								n	n	n	n
Fresno North Coast	Fresno Ukiah	N Hughes Parducci	Fresno Ukiah	5/25/11	2068	LUDE	43	HP (<=60psig)	1982	У	4.00	PE 2406/2708 (Yellow) PE 2406 (Orange)	1,00					-			n	n	n	n
Fresno	Fresno	E Balch	Fresno	6/2/11	2000	H08	59	HP (<=60psig) HP (<=60psig)	2010	n	7.00	PE 2406 (Orange) PE 2406/2708 (Yellow)	1.25 4.00				}	-			n	n n	n	n
Kem	Kem	Stine	Bakersfield	6/2/11	+	+	17	Till (- coping)	2010	n	8.00	PE 2406/2708 (Yellow)	2.00								n	n	n	n
Kern	Kem	Еуе	Bakersfield	6/2/11	1	1	70	HP (<=60psig)		n	2.00	Aldyl A	0.50								n	n	n	1
North Bay	Napa	Trancas	Napa	6/3/11			53	HP (<=60psig)			6.00	PE 2406 (Orange)	2.00								n	n	n	
North Bay	Napa	Trancas East	Napa	6/3/11	2710	G07	8	ļ	ļ		8.00	PE 2406 (Orange)	1.25								n	n	n	-
Fresno	Fresno Fresno	E Hamilton	Fresno	6/3/11	3860	H04	S	HP (<=60psig)	1937	ļ	3.00	Steel	2.00	Hot Applied Asphalt	Good	ļ	None			Good				+
Fresno	Fresno	E Heaton	Fresno	6/6/11	5000	1104	13	HP (<=60psig)	1937		3.00	Steel	2.00	Hot Applied Asphalt	Good		None	n		Good	-			+
North Bay	Napa	Napa	Napa	6/6/11	2711	101	17		1977		4.00	PE 2406 (Orange)	0.50								n	n	n	1
Fresno	Fresno	E Heaton	Fresno	6/6/11	3869	H04	13	HP (<=60psig)	1937	У	3.00	Steel	2.00	Hot Applied Asphall	Good		None	n		Good				
Kem	Kem	San Emedio	Taff	6/6/11	2000	100	34	SHP (<=25psig)	1972	n	1.00	Aldyl A	0.50							N	n	n	n	n
Central Coast	Monterey King City	Gibson Rusconi Drive	Pacific Grove King City	6/7/11	4028	F07	61	SHP (<=25psig) HP (<=60psig)	1953	V	9.00	Steel PE 2406/2708 (Yellow)	0.75 1.00	Single wrap	Poor		None	У	У	Good	n	n	n	n
Fresno	Fresno	N Grantland	Fresno	6/7/11	3866	C08	5	HP (<=60psig)	2011	 '	4.00	Steel	2.00	Other	Good		None				 ''	"	 	+
Fresno	Fresno	N 9th	Fresno	6/7/11	3804	J04	15	HP (<=60psig)	2011	У	6.00	Steel	2.00	Hot Applied Asphalt	Excellent		None	У	у	Good	1			1
Kern	Kern	Wilson	Bakersfield	6/7/11			20	HP (<=60psig)		n	1.00	PE 2406 (Orange)	0.50								n	n	n	n
North Coast	Uklah	Orchard	Ukiah	6/7/11	2130	D01	57	SHP (<=25psig)	1992	n	4.00	PE 2406/2708 (Yellow)	0.50								n	n	n	n
Central Coast North Coast	Monterey Uklah	Gibson S Hwy 101	Pacific Grove Hopland	6/7/11	3895 2252	F07	21	SHP (<=25psig) HP (<=60psig)	1953 1970	У	5.00 4.00	Steel Steel	2.00	Somastic Extru Coat	Fair		None None	y D	y n	Good				
Central Coast	Salinas	San Pedro	Salinas	6/8/11	3900	C02	8	HP (<=60psig)	1999	n	2.00	PE 2406/2708 (Yellow)	0.50	LATIN COUR			140170			Coou	n	n	n	n
Fresno	Fresno	N Forkner	Fresno	6/8/11	3803		19	HP (<=60psig)	1953	У	5.00	Steel	0.75	Hot Applied Asphalt	Good		None	n	n		1			1
North Bay	Vallejo	L. Ellenburg	Vallejo	6/8/11							3.00	Steel	2.00	Hot Applied Asphalt	Good		None			Good				
Fresno	Fresno	E Lorena	Fresno	6/8/11	-	1	4.2	HP (<=60psig)	2003	n	2.00	PE 2406/2708 (Yellow)	0.50								B	n	n	n
Kern	Kern Kern	Meadows Panama	Bakersfield	6/8/11			11	HP (<=60psig) HP (<=60psig)	1981		3.00 5.00	PE 2406 (Orange) Steel	1.25 4.00	Double wrap	Good		None	y	У		n	n	n	n
Kem	Kern	Cinnamon	Oildale	6/10/11	4930	H02	4	HP (<=60psig)	1975	-	3.00	PE 2406 (Orange)	0.50	Dodoic Wish	Good		IVOITE	, y	, , , , , , , , , , , , , , , , , , ,		n	n	n	n
Kern	Kern	Lotus	Bakersfield	6/10/11		1	17	HP (<≈60psig)	1985	n	10.00	PE 2406 (Orange)	2.00								n	n	n	n
Central Coast	Coast	Holley	Watsonville	6/10/11		108	11	HP (<=60psig)	1953	у	3.00	Steel	2.00	Hot Applied Asphalt	Fair		None	У	У	Good				
Central Coast	King City	Rusconi Drive	Soledad	6/13/11	4028	H05	12	HP (<=60psig)	2011	У	2.00	PE 2406/2708 (Yellow)	1.00								n	n	n	n
Kern	Kem	Brundage General Petroleum	Bakersfield Taff	6/13/11		+	30	HP (<=60psig) SHP (<=25psig)	1950	n V	2.00	PE 2406 (Orange) Steel	4.00 2.00	Hot Applied Asphalt	Fair		None	V	V		n	n	n	n
Central Coast	Monterey	11th	Pacific Grove	6/14/11		F01	81	LP (<=10.5%vc)	1955	y V	5.00	Steel	2.00	Somastic	Good		14016	n y	y V		-			+
Central Coast	Monterey	Coral	Pacific Grove	6/14/11		H04	31	HP (<=60psig)	1968	y	5.00	Steel	0.75	Somastic	Good		None	n	n	Good	1			1
North Bay	Vallejo	Virginia	Vallejo	6/14/11	1		30	HP (<=60psig)			2.00	PE 2406 (Orange)	0.50								n	n	n	n
Central Coast	Monterey	Coral	Pebble Beach	6/14/11		1.14.	29	HP (<≃60psig)	1950	У	3.00	Steel	0.75	Hot Applied Asphalt	Fair			n						1
Central Coast Kem	Monterey Kem	The Old	Pobble Beach Bakersfield	6/14/11	3895	H04	14	HP (<=60psig) HP (<=60psig)	1956	У	6.00 2.00	Steel PE 2406/2708 (Yellow)	0.75 4,00	Somastic	Good		None	n	n	Good	n	n	n	- n
Kem	Kem	M Vernon	Bakersfield	6/14/11	 	+	14	HP (<=60psig)	-	V	3.00	PE 2406/2708 (Yellow)	0.50								n n	n	n	n
Fresno	Fresno	N 3rd	Fresno	6/14/11	1-	+	76	HP (<=60psig)	1	 	5.00	Steel Steel	2.00	Hot Applied Asphall	Excellent		None	У	У	Good	 "	 		+
Central Coast	Monterey	Hwy No 1	Carmel	6/15/11	3957	D01	37	HP (<=60psig)	1960	У	1.00	Steel	0.75	Double wrap	Good		None	n	n	Good				1
Central Coast	Monterey	David	Monterey	6/15/11	_		6	HP (<=60psig)	1960	У	1.00	Steel	0.75	Hot Applied Asphalt	Good		None	n	У	Good				
Central Coast	King City	Rusconi Drive	Soledad Soledad	6/15/11		H05	11	HP (<=60psig)	2007	У	2.00	PE 2406/2708 (Yellow)	1.00								n		n	n
Central Coast North Bay	King City Napa	Rusconi Drive Hwy 29	St Helena	6/15/11	4028 2639		1 1	HP (<=60psig)	2011	У	2.00 4.00	PE 2406/2708 (Yellow) Steel	1.00	Hot Applied Asphalt	-	-	Heavy	n			n	n	n	n
L ravier bay	reaha	1 11179 4-9	M 1 teletio	0/10/11	1 2000	1 500		L	5	L	4.00	01001	L	con represent reprient	L	L	Livary	,	L			L	<u></u>	

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

TEECAP	CRACK			c			c	c								_	c					c								c	c				
				c			u	c	c			c				c	c		c	c		u			c			c		c	c		c	c	
	SUPPORT GOUGING DISCOLOR CRACKING COND YIN YIN			c			c	c	c			c				c	c		24	c		_			c			c		c	c		5	c	
	SOUGING			c			c	E	£			c				c					_	_			c			c		=	c		c	c	
	SUPPORT		Good			Good				Good	Good				Good						Good		Good	Good		Good									
COATING	REPAIRED		^		>	С				>	>-			_	С						24.		25-1	С		>			>-						С
COATING			٨		>	c	-	-	-	>	-			=	u			-		-	>-		2%	С		>			>×.						c
-			None		None	None				None				None	_						None		Light	Nane		None	None		None			None			None
	COND WELD COND GOUGING			-				-			Acceptable													-									-		
	COATING		Good		Good	Good				Good	Fair			Good	Good								Poor			Excellent	Fair		Fair			Fair			Poor
	COATING TYPE		Hot Applied Asphalt		Hot Applied Asphall	Hot Applied Asphall				Hot Applied Asphall	Somastic			Double wrap	Hot Applied Asphalt						Hot Applied Asphalf		Paint	Hot Applied Asphall		Double wrap	Hot Applied Asphall		Hot Applied Asphall			Hot Applied Asphall			Bare/None
	LIME SIZE	2.00	3.00 H	0.50	2.00 F	-	1.00	1.00	00.0	2.00 F	0.75	0.50	-	-	-	2.00	0.50		0.50	05.0	3.00	2.00	4.00	3.00 F	3.00	2.00	Н	3.00	0.75 F	05.0	05.0	F	2.00	2.00	
	MATERIAL LI	Stael	Sleel	PE 2406/2708 (Yellaw)	Steel	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)	Steel	Steel	PE 2406 (Orange)	Steel	Steel	Aldyl A	Steel	PE 2406 (Orange)	Aldyl A	Sleel	PE 2406/2708 (Yellow)	PE 2406/2708 (Yellow)	Copper
	FEET	3.00	3.00	F	2.00	6.00	2.00 PE	2.00 PE	4.00 PE	4.00	2.00	4.00	-	5.00	1.00	2.00 PH	1.00	-	10.00	2.00	4.00	2.00 PE	00'9	00.9	5.00	0.00	4.00	-	4.00	2.00	2.00	H		-	8.00
	PROT YN EX	-		>		>	>	>			>-	-	-	<i>></i> -	_	-				c		С	>-	^	>	>		-	5h			>-	c	-	>-
	YEAR MSTALL	1944				1968	2011	2011	-		1955	1974		1964	1971	-	-	-	1973	1977	-		1965	1978	1985	1985	-		1943	-	-	-			-
	PRESSURE	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	SHP (<=25psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	SHP (<=25pslg)	HP (<=60psig)		HP (<=60psig)	HP (<=60psig)	HP (<=60psig)	SHP (<=25psig)		HP (<==60psig)	HP (<=60psig)	HP (<=80psig)	SMP (<=25psig)	HP (<=60psig)	HP (<==60psig)	HP (<=60psig)	HP (<=60psig)	HP (<=60psig)		MP (<=60psig)	MP (<=60psig)	SMP (<=25psig)	HP (<=60pslg)	HP (<=00psig)	HP (<=60psig)	HP (<=60psig)
	PLAT BLOCK	19	2.1	+	28	15	=	=	2	76	120	- 26	-	58	-	-	24		7	4.1	-	2.1	-	H	H		37	61	16	7	29	H		-	23
-			L		L	9 A08	⊢	3 H05	3 H03		5 G01	\$ E07	├-	-	901	L	L	L		900			1007) E07	L		-	├	703			<u>8</u>	2	F04	S B02
	REPORT WALL DATE MAP	1 3410	-	-	-	1 2129		1 4028	1 2843	-	1 3896	1 1943		-	1 3896	-	-	L		1 1079	_	_	1 3677	1 2190	H	1 3676	1 2710	4	1 2927	-	_	1 2571			1 2985
1556		6/15/11	6/15/1	6/15/11	6/15/1	6/15/11	6/16/1	6/16/11	6/18/1	6/17/1	6/20/11	6/20/11	_	6/20/11	6/21/11	6/22/11	6/22/11	L	6/22/11	6/23/11	6/23/11	6/25/11	h 6/28/11	6/29/11	6/29/11	6/29/11	6/29/11	6/29/11	6/30/1	6/30/1	6/30/1	6/30/1	٠	6/30/11	6/30/11
	ADDRESS	Los Altos	Bakersfield	Bakersfield	Bakersfield	Ukiah	Soledad	Soledad	Vallejo	Fresho	Pacific Grove	Willits	Shasta Lake	Cilly	Monterey	Bakersfield	Taff	Shasta Lake	CIIÀ	Redding		Taff	La Selva Beach	Uklah	Aplas	Aptos	Napa	San Francisco	San Rafael	Avenal	Taff	St Helena	San Francisco	San Francisco	Ross
	ADDRESS STREET	Manor	24TH	Pageanl	24 TH	Kunzter Ranch	Rusconi Drive	Rusconi Drive	Columbus	N 3rd	785	S Main		Locusi	Alice	Colony	æ		Tanya	Shasta		Woodrow	San Andreas	Riverside	Mc Gregor	Mc Gregor	Sonoma	Cambridge	Fiffs	E Merced	Mood	Inglewood	Howard	Howard	Sir Francis Drake
	DISTRICT	De Anza	Kern	Kern	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	Fresna	Kem	Napa	San Francisco	San Francisco San Francisco	Marin
	DIVISION	De Anza	Kern	Kem	Kern	North Coast	Central Coast	Cerritral Coast	North Bay	Fresno	Central Coasi	North Coast		North Valley	Central Coast	Kem	Kern		North Valley	North Valley	Fresno	Kem	Central Coast	North Coast	Central Coast	Central Coast	North Bay	San Francisco	North Bay	Fresno	Kem	North Bay	San Francisco	San Francisco	North Bay

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 Cost	Total S		Units Completed	Unit Cost	Total Spend	Units Completed	Unit Cost	To	otal Spend	Units Complete d	Unit Cost	Total Spend	Units Complete d L	Init Cost E	OY Actuals
1 2 3	MWC 14 - Table 19-3 GPRP CSRP MWC 14 Total	Feet of Main Installed Services Replaced	149,438 5,629	\$ 408 \$ 6,851	\$ 3	50,983,849 38,566,770 9 9,550,619	132,729 6,227	\$ 457 \$ 6,424	\$ 60,657,000 \$ 40,000,000 \$ 100,657,000	185,044 6,500	\$ 47 \$ 6,70		87,305,000 43,595,000 130,900,000	6,485	\$ 486 \$ 7,002	\$ 92,017,000 \$ 45,408,000 \$ 137,425,000	258,613 2,138	\$ 500 S \$ 7,310 S	129,320,000 15,629,000 144,949,000
5 6 7 8	MWC 47- Table 19-4 Capacity Main Installation Capacity Regulator Station Capacity Miscellaneous	Feet of main installed Regulation Station Installed N/A	24,100 4	\$ 212 \$ 377,196	\$ 5	5,104,653 1,508,785 1,789,252	42,755 10	\$ 147 \$ 328,000	\$ 6,285,000 \$ 3,280,000 \$ 1,435,000		\$ 15 \$ 338,18		8,320,000 3,720,000 1,510,000	55,000 12	\$ 156 \$ 348,333	\$ 8,570,000 \$ 4,180,000 \$ 1,200,000	55,000 12	\$ 160 \$ \$ 358,333 \$	8,820,000 4,300,000 1,240,000
9 10 11 12	MWC 47 Total MWC 50- Table 19-5 Main Replacement Service Replacement	Feet of Main Installed Services Replaced	11,231 1.624	\$ 297 \$ 7.681	\$	8,402,691 3,334,823 2,474,292	6,274 907	\$ 478 \$ 8,269		4,500 740	\$ 49 \$ 8,53		2,220,000 6,314,667	5,075	\$ 509 \$ 8.780		5,275	5 523 S 5 9,040 S	14,360,000 2,758,071 6,689,600
13 14 15 16	Regulator Station Cathodic Protection Miscellaneous Electronic Pres Monitoring	Regulator Station (2) N/A N/A		\$ 139,791	\$	7,129,356 2,395,994 3,248,194		\$ 195,122			\$ 244,41 \$ 5,00	4 \$ \$ \$ 0 \$	5,865,931 2,350,000 1,677,402 1,100,000	24	\$ 251,897	\$ 6,045,517 \$ 2,430,000 \$ 1,730,003	24	\$ 258,966 \$ \$	6,215,172 2,490,000 1,782,156 1,190,000
17 18 19	CP Remote Monitoring MWC 50 Total MWC 27 - Table 19-8				\$ 28	8,582,659			\$ 23,350,000	1723	\$ 1,40	0 \$	2,412,000 21,940,000	1723	\$ 1,442	\$ 2,485,000 \$ 22,930,000	1722	5 1,484 S	2,555,000 23,680,000
20 21	MPP Relocations MWC 27 Total	Services Relocated		N/A	\$	17,108 17,108	12	\$ 8,333	\$ 100,000 \$ 100,000		\$ 8,28	9 \$ \$	630,000 630,000		\$ 8,553	\$ 650,000 \$ 650,000		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				
		MWC Description	Comparison Exhibit Forecast	Settlement Reduction	Attrition Reduction	Total Reduction	2011 Imputed Regulatory Value	Pension 1 Adder	Revised imputed Value	
ן ס			(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	