SEPTEMBER 30, 2011

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Introduction and Background

This report is being submitted in compliance with California Public Utilities

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

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

Paragraph (OP) 44 of that decision requires that:

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

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

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

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

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

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

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

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

Summary

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

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

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

Use of June 2011 Budget Data

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

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

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

Applicability of Certain Reporting Requirements

As explained in PG&E's March 14, 2011 comments on the Proposed Decision and Alternate Proposed Decision leading up to D.11-05-018, [2] certain requirements identified for inclusion in this report are not applicable to distribution-level gas operations. Where no analogous information is available, PG&E has so indicated in this report. In other instances, PG&E has provided analogous information in order to meet the Commission's intent.

For example, Items 14 and 15 request information on Gas Distribution capital projects or pipelines that are on PG&E's "Risk Management Top 100" list or are in high consequence areas. Gas Distribution pipelines have never been part of the Top 100 list, which has historically been applied only to gas transmission pipeline segments. Similarly, "high consequence areas" is a term of art that does not apply to Gas Distribution pipelines. For the current report, PG&E has indicated that these two items are inapplicable. However, as part of PG&E's new Distribution Integrity Management Program (DIMP), PG&E is performing a risk ranking of the Gas Distribution system and the Company will report on the results when they are available.

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

Reporting on Capital Projects

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

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

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

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

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

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

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

Decision-Making Process

1. Distribution Planning

Request

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

Response

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

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

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

Mandatory: Work that is required to maintain system safety, mandated by rule or regulation (e.g., CPUC or Federal Energy Regulatory Commission), or is essential to maintaining the Company's business operations.

- ffi Priority 1: Work that is deemed critical to the Company's operational goals and that could not be deferred without impact to system operations or reliability.
- ffi Priority 2: Work that would have a moderate impact on the Company's operational goals but for which deferral may be considered.
- ffi Priority 3: Work that is necessary to successfully realize the Company's longterm objectives but for which deferral may be considered.

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

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

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

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

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

Mid-Year Updates

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

Budgeting, Spending and Project Reprioritization

2. Settlement Agreement Allocations

Request

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

Response

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

TABLE 2-1

PACIFIC GAS AND ELECTRIC COMPANY
SUMMARY OF 2011 O&M ALLOCATIONS
FOR GAS DISTRIBUTION PIPELINE SAFETY, INTEGRITY AND RELIABILITY
BASED ON THE GRC SETTLEMENT AGREEMENT (D.11-05-018, APPENDIX A, PAGE 1-A3)
(IN THOUSANDS OF 2011 DOLLARS)

| MWC | MWC Description | Settlement Agreement Allocation |
|-----|---|---------------------------------------|
| DE | Leak Survey | 15,482 |
| DF | Mark and Locate | 29,902 |
| DG | Cathodic Protection | 10,757 |
| EX | Meter Protection | 1,200 |
| FG | Operate Gas Distribution System | 3,945 |
| FH | Gas Distribution Preventative Maintenance | 16,924 |
| F | 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 | ution - Cap | <u>ital</u> | | | | |
|-------------|--------------------|--|----------------------|--|----------------------|-----------------------------------|
| MWC | Project No | Project No Description | Order | Order Description | YTD Actual | Order Costs Since 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 | OTHER TOTAL | | -\$ 3 \$ 1,226 | |
| 14 | 5500726 | Pipeline Replacement-East Bay Pipeline Replacement-Fresno | 30750011 | WEST FRESNO GPRP 2010 | \$ 1,220 | \$ 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 | \$ 1,435 | \$ 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 | | \$ 83 | |
| 14 | 5500912 | Pipeline Replacement-SO Pipeline Replacement-SO | 30737291 | OC4 GPRP I STREET PETALUMA | \$ 85 | \$ 1,07 |
| 14 | 5500912 5500912 | Pipeline Replacement-SO Pipeline Replacement-SO | 30826696 30835636 | GD GPRP WEST AND VARIOUS, PETALUMA OC4 GD GPRP FIRST ST WEST, SONOMA - | \$ 14 | \$ 16 \$ 38 |
| 14 | 5500912 | Pipeline Replacement-SO | OTHER | | \$ 8 | 0 00 |
| 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 5500919 | Pipeline Replacement-Sacramento Pipeline Replacement-Sacramento | 30616130 OTHER | OC4 GP PRP ELIZABETH @ MASON, VACAVILLE | \$ 63 | \$ 718 |
| 14 | 5500919 | Pipeline Replacement-Sacramento | TOTAL | | \$ 113 | |
| 14 | 5500923 | Pipeline Replacement-San Jose | 30680560 | G S 12TH & S 13TH ST, SAN JOSE GPRP | \$ 14 | \$ 1,20 |
| 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 5500923 | Pipeline Replacement-San Jose | 30801105 OTHER | G HAROLD AVE GPRP, SJ | \$ 21 \$ 16 | \$ 23 |
| 14 | 5500923 | Pipeline Replacement-San Jose Pipeline Replacement-San Jose | TOTAL | | \$ 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 | |
| 14 | 5500928 | Pipeline Replacement-Yosemite | 30741372 | OC2 GPRP THIRD STREET OAKDALE PHASE 2 | \$ 35 | \$ 75 |
| 14 | 5500928 5500928 | Pipeline Replacement-Yosemite Pipeline Replacement-Yosemite | TOTAL | | \$ 16 | |
| 14 | 5505699 | Pipeline Replacement - Kem | 30793853 | OC2 REPL. MAIN HEIGHT & BERKELEY ST,BAK. | \$ 24 | \$ 33: |
| 14 | 5505699 | Pipeline Replacement - Kern | OTHER | | \$0 | |
| 14 | 5505699 | Pipeline Replacement - Kern | TOTAL | | \$ 24 | |
| 14 | 5505701 | Pipeline Replacement - Sierra | 30804511 | REPL LP GPRP 14TH & H, MARYSVILLE | \$ 450 | \$ 47 |
| 14 | 5505701 5505701 | Pipeline Replacement - Sierra Pipeline Replacement - Sierra | OTHER TOTAL | | \$ 0 \$ 450 | |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30649246 | OC1 GPRP BALBOA TERRACE, SAN FRANCISCO | \$ 20 | \$ 2,08 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30674899 | OC1 G GPRP SAINT FRANCIS 4, SF | \$ 68 | \$ 1,60 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30674922 | 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 5506443 | Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco | 30754768 30754774 | OC1 G GPRP STAPLES SAN FRANCISCO OC1 G GPRP HOLLY PARK 1 SF | \$ 239 | \$ 1,43 \$ 3,24 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30804481 | OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN | \$ 408 | \$ 40 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30806806 | GPRP OUTER MISSION 2 | \$ 1,672 | \$ 2,16 |
| 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 5506443 | Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco | 30807801 30807861 | OC1 G GPRP SUNSET 2, SF GPRP CAPITOL 3, SAN FRANCISCO | \$ 2,839 \$ 3,302 | \$ 2,84 \$ 3,92 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30807977 | G GPRP OCEANVIEW, SAN FRANCISCO | \$ 2,025 | \$ 2,22 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30808096 | G GPRP SUNSET 3, SF | \$ 2,578 | \$ 3,08 |
| 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 | Ordes | Order Description | Y I U Actual | Order Costs Since Inception |
|----------|--------------------|---|----------------------|--|----------------------|-----------------------------------|
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30808261 | R4E G GPRP 18TH ST, SAN FRANCISCO | \$ 1,400 | \$ 1,64 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30808590 | GPRP MISSION DISTRICT 4, SAN FRAN | \$ 1,249 | \$ 1,65 |
| 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 | \$ 48 \$ 99 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30821410 | G GPRP BALBOA PARK 4, 5F | \$ 18 | \$ 17 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30821601 | R1 E G GPRP BERNAL HEIGHTS, SF | \$ 202 | \$ 51 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30823194 | M GPRP CRESCENT 3, SAN FRANCISCO | \$ 559 | \$ 1,04 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30829620 | M GPRP - CONGO 1 - SF | \$ 158 | \$ 34 |
| 14 | 5506443 | Pipeline Replacement-San Francisco | 30829626 | OC1 E G GPRP OCEAN AND PLYMOUTH, SF | \$ 499 | \$ 50 |
| 14 | 5506443 5506443 | Pipeline Replacement-San Francisco Pipeline Replacement-San Francisco | OTHER TOTAL | | -\$ 121 \$ 30,567 | |
| 14 | 5507199 | EB Copper Service Replacement | TOTAL | | \$ 30,367 | |
| 14 | 5507399 | PN Copper Service Replacement | TOTAL | | \$ 527 | |
| 14 | 5507600 | SJ A67 Services Replacement | TOTAL | | -\$ 4 | |
| 14 | 5507601 | MI A67 Services Replacement | TOTAL | | -\$ 2 | |
| 14 | 5507659 | DI A67 Services Replacement | TOTAL | | \$ 96 | |
| 14 | 5507660 5507661 | CC A67 Services Replacement FR A67 Services Replacement | TOTAL | | \$ 0 \$ 28 | |
| 14 | 5507664 | YO A67 Services Replacement | TOTAL | | \$ 1 | |
| 14 | 5507668 | NB A67 Services Replacement | TOTAL | | \$ 51 | |
| 14 | 5507669 | A67 Services Replacement - SO | TOTAL | | \$ 56 | |
| 14 | 5507781 | SF A67 Services Replacement | TOTAL | | -\$ 2 | |
| 14 | 5508319 | EB A67 Services Replacement | TOTAL | | \$ 137 | |
| 14 | 5508320 5508321 | PN A67 Services Replacement DA A67 Services Replacement | TOTAL | | \$ 78 \$ 112 | |
| 14 | 5508322 | CC Copper Services Replacement | TOTAL | | \$ 1 | |
| 14 | 5508323 | SJ Copper Service Replacement | TOTAL | | \$ 33 | |
| 14 | 5508325 | SF Copper Service Replacement | TOTAL | | \$ 608 | |
| 14 | 5508326 | YO Copper Service Replacement | TOTAL | | \$ 35 | |
| 14 | 5508366 5508369 | NB Copper Service Replacement SA A67 Services Replacement | TOTAL | | \$ 7,435 \$ 121 | |
| 14 | 5508371 | FR Copper Service Replacement | TOTAL | | \$ 2,591 | |
| 14 | 5508372 | DI Copper Service Replacement | TOTAL | | \$ 12,308 | |
| 14 | 5509247 | Est - Int Est/DesignDist - SCV MWC 14 | TOTAL | | \$ 449 | |
| 14 | 5509273 | Mapping - Other Mapping - SCV MWC 14 | TOTAL | | \$ 102 | |
| 14 | 5734818 5507666 | SCV - MWC 14 planning Econ Stim SA Copper Srv Repl | TOTAL | | -\$ 901 \$ 1 | |
| 14 | 5510177 | Econ Stim SA Copper St Replacement San Jose | TOTAL | | \$ 6 | |
| 14 | 5510178 | Econ Stim Pipeline Replacement San Franc | 30820364 | R4 G GPRP ATHENS, SF | \$21 | \$ 4 |
| 14 | 5510178 | Econ Stim Pipeline Replacement San Franc | OTHER | | \$ 0 | |
| 14 | 5510178 | Econ Stim Pipeline Replacement San Franc | TOTAL | | \$ 21 | |
| 14 | 5510179 5510180 | Econ Stim PN Copper Inaccessible Tees Econ Stim SJ Copper Inaccessible Tees | TOTAL | | \$ 33 | |
| 4 TOTAL | 3310100 | Econ sum 33 copper maccessible rees | TOTAL | | \$ 60,962 | |
| 27 | 5500885 | Meter Protect Capital-East Bay | TOTAL | | \$ 0 | |
| 7 TOTAL | | | | | \$ 0 | |
| 47 | 5500748 | Incr. Capacity G-DI | 30789549 | OC1 BYRON MAIN EXTENSION - BIXLER RD BYR MAIN REINFORC - STONE VLLY RD., ALAMO | \$ 754 | \$ 81 |
| 47 | 5500748 5500748 | Incr. Capacity G-Df Incr. Capacity G-Df | 30820811 OTHER | MAIN REINFORC - STONE VLLY RD., ALAMO | \$ 462 \$ 10 | \$ 61 |
| 47 | 5500748 | Incr. Capacity G-DI | TOTAL | | \$ 1,226 | |
| 47 | 5500749 | Incr. Capacity G-EB | TOTAL | | \$ 0 | |
| 47 | 5500750 | Incr. Capacity G-FR | 30757861 | R2 INST 17000 FT OF 8" PL MAIN FRESNO | \$ 85 | \$ 1,85 |
| 47 | 5500750 | Incr. Capacity G-FR | 30784111 | OC2 CAPACITY INCREASE HARLAN RNCH CLOVIS | \$ 25 | \$ 5 |
| 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 | \$ 1,11 |
| 47 | 5500752 | Incr. Capacity G-MI | OTHER | The second secon | \$ 85 | |
| 47 | 5500752 | Incr. Capacity G-MI | TOTAL | | \$ 226 | |
| 47 | 5500753 | Incr. Capacity G-NB | TOTAL | | -\$ 3 | |
| 47 | 5500754 | 47B - Cons/Acq New Fac-G-Mains - SO | TOTAL | COATROT ATORT A DURI TOUR BY ALVA | \$ 179 | |
| 47 47 | 5500755 5500755 | Incr. Capacity G-NV Incr. Capacity G-NV | 30742428 OTHER | OC4 INST 1700FT 6-IN PL, BRUCE RD, CHICO | \$ 386 \$ 5 | \$ 5 |
| 47 | 5500755 | Incr. Capacity G-NV | TOTAL | | \$ 391 | |
| 47 | 5500756 | Incr. Capacity G-PN | 30783043 | OC1 CORDILLERAS REDWOOD CITY | \$ 397 | \$ 4 |
| 47 | 5500756 | Incr. Capacity G-PN | OTHER | | \$ 49 | |
| 47 | 5500756 | Incr. Capacity G-PN | TOTAL | | \$ 446 | |
| 47 | 5500757 | Incr. Capacity G-SA | TOTAL | | \$ 231 | |
| 47 | 5500759 | Incr. Capacity G.S.I. | 30675123 | OC2 G 1,270-FT 4"PL:GREATAMERICA PKWY.SC | \$ 94 | \$ 2 |
| 47 | 5500759 5500759 | Incr. Capacity G-SJ Incr. Capacity G-SJ | TOTAL | _ | \$ 7 | |
| 47 | 5500760 | Incr. Capacity G-SI | 30798844 | INST. 1050' OF 6" PL, ELM ST, LIVE | \$ 291 | \$ 2 |

| MWC | Project No | Project No Description | Order | Order Description | YTD Actual | Order Costs Since |
|----------|---------------------------|--|----------------------|--|-------------------|----------------------|
| | | | | | ricialis | Inception |
| 47 | 5500700 | | OTUED. | _ | 1 0.50 | |
| 47 | 5500760 5500760 | Incr. Capacity G-SI Incr. Capacity G-SI | OTHER TOTAL | | \$ 52 \$ 343 | |
| 47 | 5500761 | Incr. Capacity G-ST | 30790929 | R5 MCALLEN FROM WILSON TO HOLMAN | \$ 25 | \$ 56 |
| 47 | 5500761 5500761 | Incr. Capacity G-ST Incr. Capacity G-ST | 30797736 OTHER | +LOCUST, LEE TO SACRAMENTO, LODI + | \$ 331 | \$ 338 |
| 47 | 5500761 | Incr. Capacity G-ST | TOTAL | | \$ 357 | |
| 47 | 5500762 5500762 | Incr. Capacity G-YO Incr. Capacity G-YO | 30749118 30749119 | GPCAPACITY:6"HP PARALLEL MAIN OAKDALE GPCAPACITY:6"HP PARALLEL MAIN MODESTO | \$ 21 | \$ 50 \$ 771 |
| 47 | 5500762 | Incr. Capacity G-YO | OTHER | GI GALLOTTI LAMOTELLE MANAVAGOLLOTO | \$ 19 | |
| 47 | 5500762 | Incr. Capacity G-YO | TOTAL | PAINCTALL DDC HANDEDO CERDA CTANEODD | \$ 71 \$ 35 | 0.420 |
| 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. | \$ 250 | \$ 136 \$ 408 |
| 47 | 5508860 | 47C - Con/Acq New Fac-G-Cap-RegSta - PN2 | OTHER | | \$0 | |
| 47 | 5508860 5508861 | 47C - Con/Acq New Fac-G-Cap-RegSta - PN2 47C - Cons/Acq New Fac-G-Cap-RegSta - EB | TOTAL | | \$ 285 \$ 1 | |
| 47 | 5508862 | 47C - Cons/Acq New Fac-G-Cap-RegSta - DI | 30813671 | REBUILD VICTORY DR STATION | \$ 23 | \$ 25 |
| 47 | 5508862 | 47C - Cons/Acq New Fac-G-Cap-RegSta - DI | OTHER | | \$ 2 | |
| 47 | 5508862 5508863 | 47C - Cons/Acq New Fac-G-Cap-RegSta - DI 47C - Cons/Acq New Fac-G-Cap-RegSta - MI | TOTAL 30786843 | OC1 RH-06-INSTALL DR.ST. VERMONT & "B" S | \$ 25 \$ 142 | \$ 1,016 |
| 47 | 5508863 | 47C - Cons/Acq New Fac-G-Cap-RegSta - MI | 30787989 | INST DUAL DR. STATION OSGOOD RD. FREM | \$ 417 | \$ 836 |
| 47 | 5508863 5508863 | 47C - Cons/Acq New Fac-G-Cap-RegSta - MI 47C - Cons/Acq New Fac-G-Cap-RegSta - MI | OTHER TOTAL | | \$ 0 \$ 559 | |
| 47 | 5508871 | 47C - Cons/Acq New Fac-G-Cap-RegSta - YO | TOTAL | | -\$ 2 | |
| 47 | 5508872 | 47C - Cons/Acq New Fac-G-Cap-RegSta - NV | TOTAL | | \$ 8 | |
| 47 | 5508873 5508873 | 47C - Cons/Acq New Fac-G-Cap-RegSta - SA 47C - Cons/Acq New Fac-G-Cap-RegSta - SA | 30740781 OTHER | OC4 VACA VLY & SHELTER COVE - INSTL R | \$ 174 \$ 8 | \$ 410 |
| 47 | 5508873 | 47C - Cons/Acq New Fac-G-Cap-RegSta - SA | TOTAL | | \$ 181 | |
| 47 | 5508874 | 47C - Cons/Acq New Fac-G-Cap-RegSta - SI | 30810188 | REBLD DR MRC-12, 1ST & E ST, WHEAL | \$ 44 | \$ 139 |
| 47 | 5508874 5508874 | 47C - Cons/Acq New Fac-G-Cap-RegSta - SI 47C - Cons/Acq New Fac-G-Cap-RegSta - SI | OTHER TOTAL | | \$ 0 | |
| 47 | 5508875 | 47C - Cons/Acq New Fac-G-RegSta - SO | 30826697 | R4 GD REBUILD DR#733 KENWOOD | \$ 16 | \$ 16 |
| 47 | 5508875 5508875 | 47C - Cons/Acq New Fac-G-RegSta - SO 47C - Cons/Acq New Fac-G-RegSta - SO | OTHER TOTAL | | \$ 0 \$ 16 | |
| 47 | 5508876 | 47C - Cons/Acq New Fac-G-Cap-RegSta - NB | 30797133 | G CAP_REG 118 REBUILD_YOUNTVILLE | \$ 22 | \$ 35 |
| 47 | 5508876 | 47C - Cons/Acq New Fac-G-Cap-RegSta - NB | OTHER | | \$ 0 \$ 22 | |
| 47 | 5508876 5508878 | 47C - Cons/Acq New Fac-G-Cap-RegSta - NB 47D - Con/Acq New Fac-G-Cap-Rep/Reg - PN | TOTAL | | \$ 22 | |
| 47 | 5508888 | 47D - Con/Acq New Fac-G-Cap-ReplReg - ST | TOTAL | | \$ 57 | |
| 47 | 5508891 5508896 | 47E - Con/AcquirNewFacil G-Cap-Betr - SA 47E - Con/AcquirNewFacil G-Cap-Betr - PN | TOTAL | | \$ 4 | |
| 47 | 5508913 | 47F - Cons/Acquire NewFac G-Cap-Oth - SF | TOTAL | | \$ 0 | |
| 47 | 5508916 | 47F - Cons/Acquire NewFac G-Cap-Oth - DI | TOTAL | | \$ 3 | |
| 47 | 5508917 5508972 | 47F - Cons/Acquire NewFac G-Cap-Oth - MI 47B - Cons/Acq New Fac-G-Cap-Mains - HB | TOTAL 30762994 | OC4 GD CAPACITY CENTRAL AVE MCKINLEYVIL | \$ 4 \$ 18 | \$ 521 |
| 47 | 5508972 | 47B - Cons/Acq New Fac-G-Cap-Mains - HB | OTHER | | \$ 15 | |
| 47 | 5508972 5509250 | 47B - Cons/Acq New Fac-G-Cap-Mains - HB Est - Int Est/DesignDist - SCV MWC 47 | TOTAL | | \$ 33 \$ 26 | |
| 47 TOTAL | 3309230 | Lat ant Laubeaignbiat a dov mitto 47 | IOIAL | | \$ 4,953 | |
| 50 | 5500640 | Impr Rel/Dep G-CC | TOTAL | | \$ 51 | |
| 50 | 5500641 5500643 | Impr Rel/Dep G-DA Impr Rel/Dep G-DI | TOTAL | | \$ 14 \$ 48 | |
| 50 | 5500645 | Impr Rei/Dep G-EB | TOTAL | | \$ 30 | |
| 50 | 5500646 | Impr Rel/Dep G-FR | 30805155 | GP 214 E OLIVE AVE FRESNO | \$ 183 \$ 225 | \$ 344 |
| 50 | 5500646 5500646 | Impr Rel/Dep G-FR Impr Rel/Dep G-FR | OTHER TOTAL | | \$ 408 | |
| 50 | 5500648 | Impr Rel/Dep G-KE | TOTAL | | \$ 86 | |
| 50 | 5500649 5500650 | Impr Rel/Dep G-MI Impr Rel/Dep G-NB | TOTAL 30679552 | G RM SHORT ST., VALLEJO | \$ 43 | \$ 47 |
| 50 | 5500650 | Impr Rel/Dep G-NB | 30751625 | OC4 GP RM REPL HWY CROSSING, MAGAZINE ST | \$ 50 | \$ 626 |
| 50 | 5500650 | Impr Rel/Dep G-NB | 30761915 | =P RM REPL CRK CROSSING, LUCAS VLY RD | \$ 19 | \$ 50 |
| 50 | 5500650 5500650 | Impr Rel/Dep G-NB Impr Rel/Dep G-NB | 30813051 30813057 | GP REPL MAIN BRIDGEWY BRDWLK SAUSALT G RM REPL MAIN, ORANGE AVE, NOVATO | \$ 15 \$ 260 | \$ 18 \$ 362 |
| 50 | 5500650 | Impr Rel/Dep G-NB | 30827211 | GP RM BUHMAN & TWIN OAKS, NAPA | \$ 668 | \$ 877 |
| 50 | 5500650 5500650 | Impr Rel/Dep G-NB | OTHER | | \$ 35 \$ 1,068 | |
| 50 | 5500650 | Impr Rel/Dep G - SO | 30679554 | G RM PACIFIC AVE., SANTA ROSA - | \$ 1,068 | \$ 44 |
| 50 | 5500651 | Impr Rel/Dep G - SO | 30810993 | R4_ RPL DUTCH & BRAND LN MAIN / PENNGROV | \$ 17 | \$ 19 |
| 50 | 5500651 5500651 | Impr Rel/Dep G - SO Impr Rel/Dep G - SO | OTHER TOTAL | | \$ 46 | |
| 50 | 5500652 | Impr Rei/Dep G-NV | TOTAL | | \$ 213 | |
| 50 | 5500657 | Impr Rel/Dep G-PN | 30760327 | OC1 REPL 700' OF 2" WITH 2"PL ESPL, PAC | \$ 36 | \$ 244 |

| 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 | <u> </u> |
| 50 | 5500658 | Impr Rel/Dep G-SA | 30846074 | GP HAZEL AVE BETW. GREENBACK & FORTUNA | \$ 313 | \$ 486 |
| 50 50 | 5500658 5500658 | Impr Rel/Dep G-SA Impr Rel/Dep G-SA | OTHER TOTAL | | \$ 473 \$ 786 | |
| 50 | 5500659 | Impr Rel/Dep G-SF | 30759573 | OC1 GREPL MAIN CASITAS & CRESTA VISTA. | \$ 489 | |
| 50 | 5500659 | Impr Rel/Dep G-SF | 30761621 | OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE | \$ 122 | \$ 793 |
| 50 | 5500659 5500659 | Impr Rel/Dep G-SF | 30833648 | DOLORES MFRP, SF | \$ 54 \$ 204 | \$ 72 |
| 50 50 | 5500659 | Impr Rel/Dep G-SF Impr Rel/Dep G-SF | OTHER TOTAL | | \$ 870 | |
| 50 | 5500660 | Impr Rel/Dep G-SJ | TOTAL | | \$ 416 | <u> </u> |
| 50 | 5500661 | Impr Rel/Dep G-SI | TOTAL | | \$ 148 | \$0000000000000000000000000000000000000 |
| 50 50 | 5500662 5500662 | Impr Rel/Dep G-ST Impr Rel/Dep G-ST | 30755040 30756701 | GRANTLINE & L-2 + 9TH & LINCOLN, STOCKTON | \$ 14 \$ 455 | \$ 792 \$ 597 |
| 50 | 5500662 | Impr Rel/Dep G-ST | OTHER | THE ENGLY, STOOKION | \$ 288 | 9 301 |
| 50 | 5500662 | Impr Rel/Dep G-ST | TOTAL | | \$ 757 | |
| 50 | 5500663 | Impr Rel/Dep G-YO | 30742231 | MERCED PHASE 3 RELIABILITY | \$ 249 \$ 38 | \$ 333 |
| 50 50 | 5500663 5500663 | Impr Rel/Dep G-YO Impr Rel/Dep G-YO | OTHER TOTAL | | \$ 38 | |
| 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 Rel / Dep, Gas Svcs - DI | TOTAL | | \$ 421 | |
| 50 | 5506947 | Imp Rel / Dep, Gas Svcs - FR | TOTAL | | \$ 152 | |
| 50 50 | 5506948 5506949 | Imp Rel / Dep, Gas Svcs - KE Imp Rel / Dep, Gas Svcs - NB | TOTAL | | \$ 122 \$ 462 | |
| 50 | 5506950 | Imp Rel / Dep, Gas Svcs - SO | TOTAL | | \$ 457 | |
| 50 | 5506951 | Imp Rel / Dep, Gas Svcs - NV | TOTAL | | \$ 110 | |
| 50 50 | 5506952 5506953 | Imp Rel / Dep, Gas Svcs - PN Imp Rel / Dep, Gas Svcs - SA | TOTAL | | \$ 460 \$ 646 | <u> </u> |
| 50 | 5506954 | Imp Rel / Dep, Gas Svcs - SF | TOTAL | | \$ 436 | <u> </u> |
| 50 | 5506955 | Imp Rel / Dep, Gas Svcs - SI | TOTAL | | \$ 348 | L |
| 50 | 5506956 | Imp Rel / Dep, Gas Svcs - SJ Imp Rel / Dep, Gas Svcs - ST | TOTAL | | \$ 734 \$ 207 | |
| 50 50 | 5506957 5506958 | Imp Rel / Dep, Gas Svcs - St | TOTAL | | \$ 144 | |
| 50 | 5506959 | Impr Relb/Sys Depnd-G-CP Sys - CC | TOTAL | | \$ 61 | |
| 50 | 5506960 | Impr Relb/Sys Depnd-G-CP Sys - DA | TOTAL | | \$ 38 | |
| 50 50 | 5506961 5506962 | Impr Reib/Sys Depnd-G-CP Sys - Di Impr Reib/Sys Depnd-G-CP Sys - EB | TOTAL | | \$ 88 \$ 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 | A |
| 50 50 | 5506963 5506964 | Impr Relb/Sys Depnd-G-CP Sys - FR Impr Relb/Sys Depnd-G-CP Sys - KE | TOTAL | | \$ 378 \$ 16 | <u> </u> |
| 50 | 5506966 | | TOTAL | | \$ 63 | L |
| 50 | 5506967 | Impr Relb/Sys Depnd-G-CP Sys - SO | TOTAL | | \$ 134 | |
| 50 | 5506968 | Impr Reib/Sys Depnd-G-CP Sys - NV | TOTAL | | \$ 85 | |
| 50 50 | 5506969 5506970 | Impr Relb/Sys Depnd-G-CP Sys - PN Impr Relb/Sys Depnd-G-CP Sys - SA | TOTAL | | \$ 13 \$ 135 | |
| 50 | 5506971 | Impr Relb/Sys Depnd-G-CP Sys - SF | TOTAL | | \$ 20 | |
| 50 | 5506972 | Impr Relb/Sys Depnd-G-CP Sys - SI | TOTAL | | \$ 5 | |
| 50 50 | 5506973 5506974 | Impr Reib/Sys Depnd-G-CP Sys - SJ Impr Reib/Sys Depnd-G-CP Sys - ST | TOTAL | | \$ 85 \$ 57 | |
| 50 | 5506974 | Impr Reib/Sys Deprid-G-CP Sys - 31 | TOTAL | | \$ 29 | |
| 50 | 5506976 | Impr Relb/Sys Depnd-G-Oth Equip - CC | TOTAL | | \$ 18 | |
| 50 | 5506978 | Impr Relb/Sys Depnd-G-Oth Equip - DI | TOTAL | | \$ 161 | |
| 50 50 | 5506979 5506980 | Impr Relb/Sys Depnd-G-Oth Equip - EB Impr Relb/Sys Depnd-G-Oth Equip - FR | TOTAL | - | \$ 110 | <u> </u> |
| 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 | TOTAL | | \$ 76 \$ 11 | <u></u> |
| 50 | 5506985 | Impr Relb/Sys Depnd-G-Oth Equip - SO Impr Relb/Sys Depnd-G-Oth Equip - NV | TOTAL | | \$ 11 | <u> </u> |
| 50 | 5506986 | Impr Relb/Sys Depnd-G-Oth Equip - PN | 30758821 | OC1 INSTIL 400" PL AND ABANDON DR STN 2 | \$ 278 | ļ |
| 50 | 5506986 | Impr Relb/Sys Depnd-G-Oth Equip - PN | OTHER | | \$ 17 | |
| 50 50 | 5506986 5506987 | Impr Relb/Sys Depnd-G-Oth Equip - PN Impr Relb/Sys Depnd-G-Oth Equip - SA | TOTAL | - | \$ 295 \$ 19 | <u> </u> |
| 50 | 5506988 | Impr Relb/Sys Depnd-G-Oth Equip - SF | TOTAL | | \$ 152 | |
| 50 | 5506989 | Impr Relb/Sys Depnd-G-Oth Equip - SI | TOTAL | | -\$ 1 | |

| MWC | Project No | Project No Description | Order | Order Description | YTD Actual | Order Costs Since Inception |
|----------|--------------------|--|----------------------|---|------------------|-----------------------------------|
| | | | | | | |
| 50 | 5506991 | Impr Relb/Sys Depnd-G-Oth Equip - ST | TOTAL | | \$ 43 | |
| 50 | 5506992 5506993 | Impr Relb/Sys Depnd-G-Oth Equip - YO Impr Relb/Sys Depnd-G-Regs - CC | TOTAL | | \$ 23 \$ 331 | |
| 50 | 5506994 | Impr Relb/Sys Depnd-G-Regs - DA | 30758394 | A-10 JUNIPERO & ARASTRADERO BLOCK VALVE | \$ 256 | \$ 297 |
| 50 | 5506994 | Impr Relb/Sys Depnd-G-Regs - DA | OTHER | | \$ 519 | |
| 50 | 5506994 | Impr Relb/Sys Depnd-G-Regs - DA | TOTAL | COL C DEPUB D CODAINALL DD CTA DITTORID | \$ 776 \$ 28 | |
| 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 | \$ 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 - DI | 30812259 | REBUILD MARSHALL DRIVE DR STATION | \$ 148 | · |
| 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 Reib/Sys Depnd-G-Regs - DI | TOTAL | | \$ 248 | |
| 50 | 5506996 | Impr Relb/Sys Depnd-G-Regs - EB | 30712896 | GP 7TH ST & HENSLEY, RICHMOND | \$210 | \$ 351 |
| 50 | 5506996 | Impr Relb/Sys Depnd-G-Regs - EB | OTHER | | \$ 69 | |
| 50 | 5506996 | Impr Relb/Sys Depnd G Regs - EB | TOTAL 30784075 | DRID DD D 36 WEDED 9 EADDINGTON FD | \$ 279 \$ 6 | \$ 42 |
| 50 | 5506997 5506997 | Impr Relb/Sys Depnd-G-Regs - FR Impr Relb/Sys Depnd-G-Regs - FR | 30784975 OTHER | RBLD DR D-36, WEBER & FARRINGTON, FR | \$ 6 | \$ 42 |
| 50 | 5506997 | Impr Relb/Sys Depnd-G-Regs - FR | TOTAL | | \$ 46 | |
| 50 | 5506998 | lmpr Reib/Sys Depnd-G-Regs - KE | TOTAL | | \$ 18 | |
| 50 | 5506999 | Impr Reib/Sys Depnd-G-Regs - Mi | TOTAL | | \$ 147 | |
| 50 | 5507000 5507001 | Impr Relb/Sys Depnd-G-Regs - NB Impr Relb/Sys Depnd-G-Regs - SO | 30762547 | G GREPLACE REG STA R42 / DEPOT ST / GEYS | \$ 193 \$ 195 | \$ 364 |
| 50 | 5507001 | Impr Relb/Sys Depnd-G-Regs - SO | 30785447 | GR-UPGRADE R585-BROADWAY&MACARTHUR,SON | \$ 28 | |
| 50 | 5507001 | Impr Relb/Sys Depnd-G-Regs - SO | 30803970 | R7 12 REPL U25 REG STA / UKIAH | \$ 57 | \$ 82 |
| 50 | 5507001 | Impr Relb/Sys Depnd-G-Regs - SO | OTHER | | \$ 19 | |
| 50 | 5507001 5507002 | Impr Relb/Sys Depnd-G-Regs - SO Impr Relb/Sys Depnd-G-Regs - NV | 30753589 | R6 GD REBUILD RED BLUFF DR 103 | \$ 299 \$ 34 | \$ 61 |
| 50 | 5507002 | Impr Relb/Sys Depnd-G-Regs - NV | 30754754 | OC4 R-003 ORLAND TERTIARY RBLD, WOODWAR | \$ 275 | \$ 669 |
| 50 | 5507002 | Impr Relb/Sys Depnd-G-Regs - NV | 30755085 | ORB-006 MYERS & IDORA RBLD, OROVILLE | \$ 529 | \$ 686 |
| 50 | 5507002 | Impr Relb/Sys Depnd-G-Regs - NV | 30755086 | ORB-01 12TH & ORO DAM, OROVILLE | \$ 240 | \$ 283 |
| 50 | 5507002 5507002 | Impr Relb/Sys Depnd-G-Regs - NV Impr Relb/Sys Depnd-G-Regs - NV | 30755087 30774980 | ORB-38, E. GRIDLEY RD, GRIDLEY D-S REBUILD DR-56 WONDERLND, MTN GAT | \$ 62 \$ 254 | \$ 71 \$ 290 |
| 50 | 5507002 | Impr Relb/Sys Depnd-G-Regs - NV | OTHER | D-6 (CEBGED BRESO WONDERCOND, WITH GAT | \$ 505 | 9 230 |
| 50 | 5507002 | Impr Relb/Sys Depnd-G-Regs - NV | TOTAL | | \$ 1,898 | |
| 50 | 5507003 | Impr Relb/Sys Depnd-G-Regs - PN | 30741812 | R7 C45 STANFORD-WELLESLEY FILTER, RTA | \$ 15 | \$ 63 |
| 50 | 5507003 5507003 | Impr Reib/Sys Depnd-G-Regs - PN Impr Reib/Sys Depnd-G-Regs - PN | 30741815 OTHER | A89 CHRISTIAN & RALSTON, BELMONT | \$ 22 \$ 686 | \$ 53 |
| 50 | 5507003 | Impr Reib/Sys Depnd-G-Regs - PN | TOTAL | | \$ 723 | |
| 50 | 5507004 | Impr Relb/Sys Depnd-G-Regs - SA | 30714055 | OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL | \$ 20 | \$ 382 |
| 50 | 5507004 | Impr Relb/Sys Depnd-G-Regs - SA | 30787993 | R4 NEW REG STATION - POWER INN & CUCAM | \$ 38 | \$ 51 |
| 50 | 5507004 5507004 | Impr Relb/Sys Depnd-G-Regs - SA Impr Relb/Sys Depnd-G-Regs - SA | OTHER | _ | \$ 157 \$ 216 | |
| 50 | 5507005 | Impr Relb/Sys Depnd-G-Regs - SF | 30759576 | OC1 G REPL R-11 DEWEY & LAGUNA HONDA, SF | \$ 495 | \$ 820 |
| 50 | 5507005 | Impr Relb/Sys Depnd-G-Regs - SF | OTHER | | \$ 38 | |
| 50 | 5507005 | Impr Relb/Sys Depnd-G-Regs - SF | TOTAL | | \$ 533 | |
| 50 | 5507006 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 | TOTAL | | \$ 67 | |
| 50 | 5507007 | Impr Relb/Sys Depnd-G-Regs - SJ | TOTAL | | \$ 58 | |
| 50 | 5507008 | Impr Reib/Sys Depnd-G-Regs - ST | TOTAL | | \$ 48 | |
| 50 | 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 | | \$ 244 | |
| 50 | 5507013 | Impr Relb/Sys Depnd-G-Valves - EB | TOTAL | | \$ 216 | |
| 50 | 5507014 | Impr Relb/Sys Depnd-G-Valves - FR | TOTAL | | \$ 82 | |
| 50 50 | 5507015 5507016 | Impr Relb/Sys Depnd-G-Valves - KE Impr Relb/Sys Depnd-G-Valves - Mi | TOTAL | | \$ 28 \$ 355 | |
| 50 | 5507017 | Impr Reib/Sys Depnd-G-Valves - MB | TOTAL | | \$ 286 | |
| 50 | 5507018 | Impr Relb/Sys Depnd-G-Valves - SO | TOTAL | | \$ 20 | |
| 50 | 5507019 | Impr Relb/Sys Depnd-G-Valves - NV | TOTAL | | \$ 148 | |
| 50 | 5507020 5507021 | Impr Relb/Sys Depnd-G-Valves - PN Impr Relb/Sys Depnd-G-Valves - SA | TOTAL | | \$ 14 \$ 99 | |
| 50 | 5507021 | Impr Reib/Sys Depnd-G-Valves - SF | TOTAL | | \$ 400 | |
| 50 | 5507024 | Impr Reib/Sys Depnd-G-Valves - SJ | TOTAL | | \$ 35 | |
| 50 | 5507025 | Impr Relb/Sys Depnd-G-Valves - ST | 30762887 | R2L REPL VALVES STHP-24, FRESNO & NAVY + | \$ 398 | \$ 620 |
| 50 50 | 5507025 5507025 | Impr Relb/Sys Depnd-G-Valves - ST Impr Relb/Sys Depnd-G-Valves - ST | OTHER TOTAL | | \$ 324 \$ 722 | |
| 50 | 5507026 | Impr Reib/Sys Depnd-G-Valves - YO | TOTAL | | \$ 290 | |
| 50 | 5508123 | North Coast Service Replacements | TOTAL | | \$ 1 | |
| 50 | 5509084 | HB - Impr Rel/Dep G | TOTAL | | \$ 106 | 1 |

| | | | | | YTD | Order Costs |
|----------------|---------------------------|--|-------------------|---|-----------------|---|
| MWC | Project No | Project No Description | Order | Order Description | Actual | Since Inception |
| 50 | 5509085 | HB - Impr Rel / Dep. Gas Svcs | TOTAL | T | \$ 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 | 100000000000000000000000000000000000000 |
| 50 | 5509252 | Est - Int Est/DesignDist - SCV MWC 50 | TOTAL | | \$ 80 | |
| 50 | 5509277 | Mapping - Other Mapping - SCV MWC 50 | TOTAL | | \$ 18 | |
| 50 | 5710899 5710902 | mp Rel / Dep, Gas Svcs - DA mp Rel / Dep, Gas Svcs - FR | TOTAL | | \$ 145 \$ 65 | |
| 50 | 5710905 | Imp Rel / Dep, Gas Svcs - NB | TOTAL | | \$ 2 | |
| 50 | 5710910 | Imp Rel / Dep, Gas Svcs - SF | TOTAL | | \$ 13 | |
| 50 | 5710911 | Imp Rel / Dep, Gas Svcs - SJ | TOTAL | | \$ 5 \$ 1 | |
| 50 | 5712641 5737258 | Impr Relb/Sys Depnd-G-CP Sys - MI MWC 50 SCV Allocation | TOTAL | | -\$ 387 | |
| 50 | 5510176 | Econ Stim Imp Rel / Dep G Remote CP SA | TOTAL | | \$ 0 | |
| 50 | 5510239 | Econ Stim Impr Rel/Dep G-SA | TOTAL | | \$ 7 | |
| 50 | 5510240 | Econ Stim Impr Rel/Dep G-YO Econ Stim Impr Rel/Dep G-YO | 30814788 | R2 MODESTO RELIABILITY PHASE 1 - MODESTO | \$ 13 | \$ 10 |
| 50 | 5510240 5510240 | Econ Stim Impr Rel/Dep G-YO | OTHER TOTAL | | \$ 0 \$ 13 | |
| 50 TOTAL | 1 00.02.70 | Eddi activimpo (disapea) a | 101112 | | \$ 24,253 | |
| 52 | 5500664 | Repl Plant Corr G-CC | TOTAL | | \$ 30 | |
| 52 | 5500665 | Repl Plant Corr G-DA | TOTAL | | \$ 24 | |
| 52 52 | 5500666 5500667 | Repl Plant Corr G-DI Repl Plant Corr G-EB | TOTAL | | \$ 6 \$ 2 | |
| 52 | 5500670 | Repl Plant Corr G-FR | TOTAL | | \$ 0 | |
| 52 | 5500672 | Repl Plant Corr G-KE | TOTAL | | \$ 0 | |
| 52 | 5500674 | Repl Plant Corr G-MI | TOTAL | | -\$ 2 | |
| 52 52 | 5500675 5500737 | Repl Plant Corr G-NB Repl Plant Corr G - SO | TOTAL | | \$ 80 | |
| 52 | 5500738 | Repl Plant Corr G-NV | TOTAL | | -\$ 5 | |
| 52 | 5500739 | Repl Plant Corr G-PN | TOTAL | | \$ 33 | |
| 52 | 5500740 | Repl Plant Corr G-SA | TOTAL | | \$ 4 | |
| 52 52 | 5500741 5500742 | Repl Plant Corr G-SF Repl Plant Corr G-SJ | TOTAL | | \$ 0 \$ 52 | |
| 52 | 5500743 | Repl Plant Corr G-SI | TOTAL | | \$ 2 | |
| 52 | 5500744 | Repl Plant Corr G-ST | TOTAL | | \$ 1 | |
| 52 | 5500745 | Repl Plant Corr G-YO | TOTAL | | \$ 3 | |
| 52 52 | 5509104 5509324 | HB - Repl Plant Corr G Emerg Resp-G-Dig-Ins - HB | TOTAL | | \$ 1 \$ 62 | |
| 52 | 5509328 | Emerg Resp-G-Dig-Ins - NB | TOTAL | | \$ 19 | |
| 52 | 5509330 | Emerg Resp-G-Dig-Ins - PN | TOTAL | | \$ 30 | |
| 52 | 5509331 | Ernerg 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. Oi UDD O M OO | | | \$ 66 | |
| 2K 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 | 5510233 | Econ Stim HPR Convert Main-SA | TOTAL | | \$ 2 | |
| 2K 2K | 5510235 5510238 | Econ Stim HPR Convert Main-SJ Econ Stim HPR Convert Main-ST | TOTAL 30840277 | R2 CONVERT JAHANT RD DFM TO DISTRIBUTION | \$ 150 \$ 12 | \$ 18 |
| 2K | 5510238 | Econ Stim HPR Convert Main-ST | OTHER | TO TO THE CONTROL OF | \$7 | - V II |
| 2K | 5510238 | Econ Stim HPR Convert Main-ST | TOTAL | | \$ 19 | |
| 2K | 5510259 | Econ Stim HPR Convert Main-YO Econ Stim HPR Convert Distr Reg-CC | TOTAL | | \$ 4 | |
| 2K 2K | 5510260 5510270 | Econ Stim HPR Convert Distr Reg-CC Econ Stim HPR Convert Distr Reg-PN | TOTAL 30676390 | R1 SHOREWAY DR BELMONT | \$ 2 \$ 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 | 5510270 | Econ Stim HPR Convert Distr Reg-PN | TOTAL | | \$ 99 | |
| 2K 2K | 5510271 5510273 | Econ Stim HPR Convert Distr Reg-SA Econ Stim HPR Convert Distr Reg-SJ | TOTAL | - | \$ 9 \$ 0 | |
| 2K | 5510275 | Econ Stim HPR Convert Distr Reg-SO | TOTAL | | \$ 0 | |
| 2K | 5510277 | Econ Stim HPR Convert Distr Reg-YO | TOTAL | | \$ 1 | |
| 2K | 5510280 | Econ Stim HPR Replacement-DA | TOTAL | | \$ 133 | |
| 2K 2K | 5510283 5510285 | Econ Stim HPR Replacement-FR Econ Stim HPR Replacement-KE | TOTAL | | \$ 11 | |
| 2K | 5510287 | Econ Stim HPR Replacement-NB | TOTAL | - | \$ 125 | |

| NOVC. | Project No | Project No Description | Order | Order Description | YTD Actual | Order Costs Since Inception |
|----------|------------|------------------------------|-------|-------------------|---------------|-----------------------------------|
| | Projectino | Project no Description | Ottus | oner asscription | Actual | 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 | 1 | | | | \$ 761 | |
| TOTAL | | | | | \$ 91,361 | |

5. O&M Spending by Major Work Category

Request

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

Response

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

TABLE 5-1

PACIFIC GAS AND ELECTRIC COMPANY

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

(IN THOUSANDS OF 2011 DOLLARS)

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

6. Comparison of Settlement Agreement Allocations to Actual Spending Request

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

Response

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

TABLE 6-1

PACIFIC GAS AND ELECTRIC COMPANY

COMPARISON OF 0&M SPENDING TO SETTLEMENT AGREEMENT ALLOCATION

(IN THOUSANDS OF 2011 DOLLARS)

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

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

| MWC | MWC Description | Budget | Settlement Agreement Allocation | Actuals 1/1 - 6/30 | Difference Between Allocation and Actuals |
|------------|------------------------------|---------|---------------------------------------|-----------------------|--|
| 14 | Gas Pipeline Replacement Pgm | 123,707 | 123,266 | 60,962 | 62,304 |
| 27 | Gas Meter Protection-Capital | 332 | 593 | 0 | 593 |
| 47 | G Dist New Capacity - Gas | 12,000 | 12,760 | 4,953 | 7,807 |
| 50 | G Dist Reliability | 39,390 | 20,660 | 24,253 | -3,593 |
| 52 | G Dist Emergency Response | 702 | 264 | 366 | -102 |
| 2J | GT&D Impl Regulatory Change | 0 | 0 | 66 | -66 |
| 2K | G Cust HPR | 15,000 | 0 | 761 | -761 |
| Gas Distri | 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 | |
| | Minocologica de la constanta d | *************************************** | Name and Associated to the Control of the Control o | | kozecu | leeenonee | | Automorana and a second a second and a second a second and a second an |
| 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 | | 1070 | \$ | 3,070 | | \$ | 890 | |
| DIMP Related Activities | | | \$ | 19,500 | | \$ | 5,957 | |
| MWC JS Total | | | \$ | 19,500 | • | \$ | 5,957 | |
| GT&D Impl Regulatory | | | \$ | 367 | | \$ | 319 | |
| Change | ļ | | | | | | 400000000000000000000000000000000000000 | |
| MWC KF Total | | | \$ | 367 | | \$ | 319 | 99900 |

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

| t for a little | Davis of Otal | Order | Desired Name | Planned | Actual | Actual | Forecaste |
|----------------|----------------|----------|---|--------------|--------------|--------------|--------------|
| Line No: | Project Status | Number | Project Name | Construction | Construction | Construction | Construction |
| | | 00000000 | | Start Date | Start Date | Finish Date | Finish Dat |
| | Complete | 30829626 | OC1 E G GPRP OCEAN AND PLYMOUTH, SF | 3/10/11 | 2/16/11 | 5/9/11 | |
| 2 | Complete | 30815779 | OC1 G GPRP HOLLYPARK 1 (100 APPLETON AVE | 1/26/11 | 12/10/10 | 7/11/11 | |
| 3 | Complete | 30807801 | OC1 G GPRP SUNSET 2, SF | 1/3/11 | 10/29/10 | 6/30/11 | |
| 4 | Complete | 30805155 | GP 214 E OLIVE AVE FRESNO | 10/15/10 | 9/24/10 | 10/26/10 | |
| 5 | Complete | 30804481 | OC1 GPRP 25TH ST SPOT MAIN, SAN FRAN | 1/25/11 | 11/20/10 | 5/10/11 | |
| 6 | Complete | 30793853 | OC2 REPL. MAIN HEIGHT & BERKELEY ST, BAK. | 10/20/10 | 9/27/10 | 3/24/11 | |
| 7 | Complete | 30789549 | OC1 BYRON MAIN EXTENSION - BIXLER RD BYR | 10/4/10 | 8/11/10 | 5/12/11 | |
| 8 | Complete | 30786843 | OC1 RH-06-INSTALL DR.ST. VERMONT & "B" S | 8/2/10 | 7/19/10 | 3/11/11 | |
| 9 | Complete | 30784111 | OC2 CAPACITY INCREASE HARLAN RNCH CLOVIS | 7/20/10 | 7/26/10 | 3/17/11 | |
| 10 | Complete | 30783043 | OC1 CORDILLERAS REDWOOD CITY | 7/21/10 | 7/12/10 | 2/17/11 | |
| 11 | Complete | 30766290 | OC2 2010 INST ANODES (15) FRESNO DIVISN | 6/7/10 | 5/12/10 | 4/27/11 | |
| 12 | Complete | 30762994 | OC4 GD CAPACITY CENTRAL AVE MCKINLEYVIL | 3/22/10 | 3/12/10 | 10/28/10 | |
| 13 | Complete | 30761621 | OC1 GREPL 6"STLHP TUNNEL AVE SF/BRISBANE | 5/3/10 | 4/6/10 | 4/22/11 | |
| 14 | Complete | 30760327 | OC1 REPL 700' OF 2" WITH 2"PL ESPL. PAC | 9/13/10 | 9/7/10 | 11/17/10 | |
| 15 | Complete | 30759576 | OC1 G REPL R-11 DEWEY & LAGUNA HONDA, SF | 3/29/10 | 2/25/10 | 6/24/11 | |
| 16 | Complete | 30759573 | OC1 GREPL MAIN CASITAS & CRESTA VISTA, | 3/29/10 | 2/26/10 | 7/21/11 | |
| 17 | Complete | 30758821 | OC1 INSTLL 400" PL AND ABANDON DR STN 2 | 4/1/10 | 5/5/10 | 6/8/11 | |
| 18 | Complete | 30757362 | OC1 G DR STATION CARION CT PITTSBURG | 3/24/10 | 2/11/10 | 1/10/11 | |
| 19 | Complete | 30754774 | OC1 G GPRP HOLLY PARK 1 SF | 6/2/10 | 2/1/10 | 1/31/11 | |
| 20 | Complete | 30754768 | OC1 G GPRP STAPLES SAN FRANCISCO | 7/19/10 | 1/22/10 | 1/14/11 | |
| 21 | Complete | 30753677 | OC1 G GPRP BAYVIEW 2 SAN FRANCISCO | 7/1/10 | 4/21/10 | 1/12/11 | |
| 22 | Complete | 30751625 | OC4 GP RM REPL HWY CROSSING, MAGAZINE ST | 9/1/10 | 1/6/10 | 12/1/10 | |
| 23 | Complete | 30749119 | GPCAPACITY:6"HP PARALLEL MAIN MODESTO | 2/9/10 | 12/16/09 | 11/1/10 | |
| 24 | Complete | 30747707 | OC1 DUBLIN BLVD DUBLIN INSTALL 4100 FT O | 3/8/10 | 1/20/10 | 3/18/11 | |
| 25 | Complete | 30742428 | OC4 INST 1700FT 6-IN PL, BRUCE RD, CHICO | 11/10/09 | 11/13/09 | 6/17/11 | |
| 26 | Complete | 30741372 | OC2 GPRP THIRD STREET OAKDALE PHASE 2 | 1/11/10 | 11/4/09 | 12/20/10 | |
| 27 | Complete | 30740781 | OC4 VACA VLY & SHELTER COVE - INSTL R | 1/4/10 | 12/1/09 | 5/13/11 | |
| 28 | Complete | 30737291 | OC4 GPRP I STREET PETALUMA | 4/19/10 | 10/14/09 | 2/11/11 | |
| 29 | Complete | 30737244 | OC4 GPRP SANTA MARGARITA, SAN RAFAEL | 9/1/10 | 10/14/09 | 10/29/10 | |
| 30 | Complete | 30714055 | OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL | 7/23/09 | 5/29/09 | 6/27/11 | |
| 31 | Complete | 30692911 | OC1 G REBUILD CORNWALL DR STN, PITTSBUR | 3/30/09 | 2/23/09 | 1/31/11 | |
| 32 | Complete | 30675123 | OC2 G 1,270-FT 4"PL:GREATAMERICA PKWY,SC | 4/1/10 | 12/23/08 | 4/5/11 | |
| 33 | Complete | 30674922 | OC1 G GPRP GEARY 4 SAN FRANCISCO | 5/10/10 | 12/8/09 | 3/1/11 | |
| 34 | Complete | 30674899 | OC1 G GPRP SAINT FRANCIS 4, SF | 7/1/10 | 12/8/08 | 3/10/11 | |
| 35 | Complete | 30649246 | OC1 GPRP BALBOA TERRACE, SAN FRANCISCO | 5/28/10 | 2/18/09 | 11/30/10 | |
| 36 | Complete | 30616134 | OC1 G BERKELEY GPRP - PH 1: ASHBY UPRATE | 2/8/10 | 10/22/08 | 2/10/11 | |
| 37 | Complete | 30616130 | OC4 GP PRP ELIZABETH @ MASON, VACAVILLE | 3/2/09 | 10/21/08 | 1/26/11 | |
| 38 | Complete | 30616128 | OC4 G PRP DOBBINS @ KENDAL, VACAVILLE | 3/2/09 | 10/21/08 | 11/19/10 | |
| 39 | Documentation | 30835636 | OC4 GD GPRP FIRST ST WEST, SONOMA - | 2/16/11 | 2/18/11 | 6/17/11 | |
| 40 | Documentation | 30807861 | OC1 GPRP CAPITOL 3, SAN FRANCISCO | 10/25/10 | 10/14/10 | | 8/ |
| 41 | Documentation | 30807391 | HUNTINGTON & 5TH 2011 GPRP FRESNO | 11/4/10 | 12/11/10 | | 8/ |
| 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 | | 7/2 |
| 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 | Construction |
| 53 | Documentation | | WEST FRESNO GPRP 2010 | Start Date | Start Date | Finish Date | Finish Date |
| 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 M GPRP CRESCENT 3. SAN FRANCISCO | 1/18/11 | 1/8/11 | **** | 12/29/1 |
| 61 | Construction Construction | 30823194 30821601 | R1 E G GPRP BERNAL HEIGHTS, SF | 12/17/10 1/18/11 | 2/17/11 3/31/11 | | 10/21/1 |
| 63 | Construction | 30821410 | G GPRP JOOST, SF | 2/22/11 | 4/6/11 | | 3/27/1 |
| 64 | Construction | 30820811 | OC1 MAIN REINFORC - STONE VLLY RD., ALAM | 2/24/11 | 1/26/11 | | 7/23/1 |
| 65 | Construction | 30820364 | R4 G GPRP ATHENS, SF | 12/6/10 | 1/5/11 | | 11/30/1 |
| 66 | Construction | 30820278 | G GPRP BALBOA PARK 4, SF | 12/6/10 | 3/14/11 | | 6/26/1 |
| 67 | Construction | 30814275 | R2L GP WINDSOR, ALAMEDA GPRP | 1/3/11 | 11/23/10 | | 11/10/1 |
| 68 | Construction | 30813057 | G RM REPL MAIN, ORANGE AVE, NOVATO | 12/2/10 | 12/7/10 | | 6/30/1 |
| 69 | Construction Construction | 30813051 30812259 | GP REPL MAIN BRIDGEWY BRDWLK SAUSALT REBUILD MARSHALL DRIVE DR STATION | 12/13/10 | 12/30/10 | | 8/31/1 |
| 70 | Construction | 30810294 | BERKELEY GPRP - PHASE 2: PRINCE/TELEG | 12/8/10 10/18/10 | 1/6/11 11/1/10 | | 8/19/1 9/30/1 |
| 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 | | 9/18/1 |
| 74 | Construction | 30808590 | GPRP MISSION DISTRICT 4, SAN FRAN | 1/18/11 | 2/11/11 | | 11/30/ |
| 75 | Construction | 30808261 | R4E G GPRP 18TH ST, SAN FRANCISCO | 11/1/10 | 12/17/10 | | 12/22/1 |
| 76 | Construction | 30808260 | G GPRP BAYVIEW 3, SAN FRANCISCO | 10/8/10 | 11/30/10 | | 12/22/1 |
| 77 | Construction | 30808157 | G GPRP SOUTH VALENCIA 5, SAN FRANCIS | 1/3/11 | 11/20/10 | | 12/29/1 |
| 78 | Construction | 30808140 | G GPRP PERSIA, SAN FRANCISCO | 10/8/10 | 11/20/10 | | 11/30/1 |
| 79 80 | Construction Construction | 30808096 30807977 | G GPRP SUNSET 3, SF G GPRP OCEANVIEW, SAN FRANCISCO | 10/8/10 10/7/10 | 10/25/10 11/23/10 | | 12/30/1 12/22/1 |
| 81 | Construction | 30807470 | 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 | | 8/12/201 |
| 83 | Construction | 30806814 | G GPRP OXFORD, SF | 10/1/10 | 10/19/10 | | 12/22/201 |
| 84 | Construction | 30806806 | M027972GPRP OUTER MISSION 2 | 9/24/10 | 10/19/10 | | 9/30/201 |
| 85 | Construction | 30804511 | REPL LP GPRP 14TH & H, MARYSVILLE | 1/3/11 | 11/30/10 | | 12/30/201 |
| 86 | Construction | 30801105 | G HAROLD AVE GPRP, SJ | 10/8/10 | 9/21/10 | | 12/30/201 |
| 87 | Construction | 30797133 | G CAP_REG 118 REBUILD_YOUNTVILLE | 9/22/10 | 8/19/10 | | 3/22/201 |
| 88 | Construction Construction | 30796765 30795703 | HOOVER GPRP (2011 CRITICAL PROJECT) RED BLUFF GPRP CEDAR & JACKSON | 9/17/10 | 10/12/10 2/10/11 | | 11/29/201 10/14/201 |
| 90 | Construction | 30787989 | INST DUAL DR. STATION OSGOOD RD. FREM | 8/31/10 | 8/2/10 | *************************************** | 4/27/201 |
| 91 | Construction | 30785447 | GR-UPGRADE R585-BROADWAY&MACARTHUR,SON | 9/10/10 | 8/20/10 | | 9/5/201 |
| 92 | Construction | 30783042 | BOW DR. & CRESTVIEW DR. | 7/16/10 | 8/27/10 | | 8/31/201 |
| 93 | Construction | 30774980 | D-S REBUILD DR-56 WONDERLND, MTN GAT | 5/31/10 | 12/8/10 | | 6/17/201 |
| 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 | | 9/30/201 |
| 96 97 | Construction | 30755085 30749118 | ORB-006 MYERS & IDORA RBLD, OROVILLE GPCAPACITY:6"HP PARALLEL MAIN OAKDALE | 5/17/10 | 2/8/10 | | 7/20/201 |
| 98 | Construction Construction | 30746089 | PH 1 BERRYESSA RD SAN JOSE GPRP-2010 | 5/4/10 4/27/10 | 12/16/09 12/1/09 | | 10/1/201 3/21/201 |
| 99 | Construction | 30742231 | MERCED PHASE 3 RELIABILITY | 4/20/10 | 11/9/09 | | 6/10/201 |
| 100 | Construction | 30741815 | A89 CHRISTIAN & RALSTON, BELMONT | 8/6/10 | 11/18/09 | | 12/31/201 |
| 101 | Construction | 30736194 | OC1 GPRP REDWOOD CITY | 1/11/10 | 1/20/10 | | 5/16/201 |
| 102 | Construction | 30712896 | GP 7TH ST & HENSLEY, RICHMOND | 5/21/09 | 11/24/09 | | 12/31/201 |
| 103 | Construction | 30676310 | OC1 TOWER ROAD HPR TO DRS | 8/13/09 | 12/8/08 | | 7/5/1 |
| 104 | Pre-construction | 30833648 | DOLORES MFRP, SF | 5/9/11 | | | 10/21/201 |
| 105 106 | Pre-construction Pre-construction | 30826697 30826696 | R4 GD REBUILD DR#733 KENWOOD GD GPRP WEST AND VARIOUS. PETALUMA | 3/7/11 | | | 11/10/201 |
| 106 | Pre-construction Pre-construction | 30826505 | R1 G REBUILD RHEEM DR STATION, MORAGA | 3/11/11 | | | 12/29/201 3/1/201 |
| 108 | Pre-construction | 30814788 | R2 MODESTO RELIABILITY PHASE 1 - MODESTO | 2/14/11 | | | 3/16/201 |
| 109 | Pre-construction | 30813671 | REBUILD VICTORY DR STATION | 1/19/11 | | | 11/30/20 |
| 110 | Pre-construction | 30810993 | R4_ RPL DUTCH & BRAND LN MAIN / PENNGROV | 3/28/11 | | | 11/23/201 |
| 111 | Pre-construction | 30803970 | R7 12 REPL U25 REG STA / UKIAH | 2/1/11 | | | 2/29/20 |
| 112 | Pre-construction | 30790929 | R2 MCALLEN FROM WILSON TO HOLMAN | 8/17/10 | | | 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 STAR13 / EUREKA | 8/30/10 | | | 10/31/20 |
| 116 | Pre-construction Pre-construction | 30761915 30755087 | ≈P RM REPL CRK CROSSING, LUCAS VLY RD ORB-38, E. GRIDLEY RD, GRIDLEY | 5/25/10 7/23/10 | | | 9/23/20 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 | | | 9/30/201 |
| 123 | Design | 30799615 | R4E REBUILD DR MRC-10, OLIVEHRST | 11/29/10 | | | 9/28/201 |
| 124 | Design | 30741812 | R7 C45 STANFORD-WELLESLEY FILTER, RTA | 3/15/10 | | | 10/31/20 |

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) | | ost Since nception Ending 5/30/2011 |
|--------------|--|----|------------------------------------|----|--|
| 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 1/2011 to 30/2011) | ı | ostSince nception Ending 3/30/2011 |
|--------------|---|-----|-------------------------------|----|---|
| 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 | S | 18.11 | \$ | 521.13 |
| 30766290 | OC2 2010 INST ANODES (15) FRESNO DIVISN | \$ | 362.71 | \$ | 434.06 |
| 30783043 | OC1 CORDILLERAS REDWOOD CITY | \$ | 396.59 | S | 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 O CEAN AND PLYMO UTH, SF | \$ | 499.34 | \$ | 500.78 |

9. Comparability of Actual Costs and Settlement Agreement Allocations Request

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

Response

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

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

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

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

| MWC | MWC Description | Capitalized A&G | Total For MWC |
|-----|--------------------------------|--------------------|------------------|
| 14 | G Dist Pipeline Repl Program | 4,482 | 60,962 |
| 27 | Gas Meter Protection - Capital | par. | , 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 |
| | | 1977/1979/1988 I | | X(//)X(V)B(VX(B(/) | AYZAHIHISIN 1 | 777587389777788 1 | | | e.//icame.es/// | |
| 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 |
| 172472330007755330003330033771640345717443534 | 7 | | | or restaura referencia constituta de constit | | - | | 7030276325 | | |
| 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 |
| | 7/2/69/17:00:00:00:00:00:00:00:00:00:00:00:00:00 | (1977) (2018) (2018) | (8/7/////////////////////////////////// | 9;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;; | <u>/////aes///////////////////////////////</u> | <i>1797/j. gradeni kasa</i> T | (17.01077777779) | <u>(1777/2019) (2005/09</u> T | <u> </u> | |
| Meter Protection Relocations (MPP) | Services Relocated | 76 | 8,289 | 630 | 0 | - | 0 | 40 | 8,289 | 332 |
| MWC 27 MPP Total | | 7544451074510745151 | | 630 | <u> </u> | | 0 | | 19,000,000,000,000,000 | 332 |
| MWC 52 Emergency Response Total | | | | 280 | T | 70307273273732 | 366 | ##00#08602310788 | 100000000000000000000000000000000000000 | 656 |
| | 220 (10 (10 (10 (10 (10 (10 (10 (10 (10 (1 | 7877 (7878) | 38.37.27.27.20 | 7477 1127 127 | Yangan da kanan | 1. 1.7.000 (1.500 (1.500)) | | 75/47/2005/2006 | 15444 (11657) | 19.5000000000000000000000000000000000000 |
| MWC 2J GT&D Impl Reg Change Total | | | | | | | 66 | | | 66 |
| | | grainesis accordens accord | | | regenerarios resources and a second resources | | | | | |
| Cust High Pressure Reg (HPR) | HPR Replace/Remove | | | | | | 761 | 500 | 30,000 | 15,000 |
| MWC 2K HPR Total | | | | | | | 761 | | | 15,000 |
| Total | | | | 167,300 | | | 91,361 | | | 191,151 |

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

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

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

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

 $^{^{\}rm 5}$ See narrative discussion on this item.

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

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

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

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

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

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

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

11. 2011 Planned Capital Projects

Request

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

Response

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

12. Variance Explanations Between Settlement Agreement Allocations and Actual Spending

Request

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

Response

PG&E has included in Tables 12-1 and 12-2 information responsive to this request for those projects where PG&E is able to determine, as of June 30, 2011 that it will likely not spend the annual allocated amount by the end of the year. In total, PG&E expects to spend in excess of the Settlement Agreement amounts for both expense and capital related to gas distribution pipeline safety, integrity and reliability.

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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 | ě | Map# | # of Locations on Map | Related Job # | Comments Cause for Discrepancy | O Code | Date Corrected |
|----------|--------------------------|---------------|--|----|---------|-----------------------------|---------------|---|--------|----------------|
| DA | 4/27/2011 | Construction | MOFFETT & BAYSHORE | IT | 3349-E6 | 1 | | UPDATED DIAGRAM | M | 5/13/2011 |
| DA | 4/27/2011 | Construction | GRANT & FREMONT | T | 3410-A4 | 1 | | UPDATED DIAGRAM | M | 5/13/2011 |
| DI | 2/10/2011 | Estimating | 1250 Springbrook | L | 45F15 | 1 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 | Π | 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 | IP | 16E16 | 10 | GM444490-70 | Mapping Discrepancy | М | 1/28/2011 |
| MI | 1/31/2011 | Construction | Dublin Bl/Village Pkwy valve posted in wrong location | L | 23B02 | 1 | 30220193 | As-built gave wrong measurement for valve | А | 2/3/2011 |
| IM | 2/16/2011 | Mapping | Buckhorn Creek, Deep Creek | IL | 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 | 1000 | Map# | # of Locations or Map | Related Job # | Gomments Cause for Discrepancy | CCOOR | Date Corrected |
|----------|--------------------------|------------------------------|--|------|-----------------------------|-----------------------------|---------------|---|-------|----------------|
| MI | 2/17/2011 | Construction | Parkshore, different ETS location | L | 20A04 | 2 | | 1 ETS removed, 1 new | U | 2/17/2011 |
| MI | 2/17/2011 | Construction | Sailwood, different ETS location | L | 20A05 | 2 | | 1 ETS removed, 1 new | U | 2/17/2011 |
| MI | 3/17/2011 | Mapping | Andrade Rd. wrong GM # | T | 25D07 | 1 | GM440653-68 | Job # on map differed from actual Job # | M | 3/17/2011 |
| MI | 3/18/2011 | Construction | Cabrillo Dr., duplicate service | I | 20A06 | 1 | | Service was posted in 2 locations | M | 3/18/2011 |
| MI | 3/18/2011 | Construction | Thornton Ave., service on map not in field | | 20A06 | 1 | | Paperwork not received by Mapping notifying of a service cut-off | U | 3/18/2011 |
| MI 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 | |
| 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 | | 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 | | 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 | | 3280-11 | 4 | | Verified map correction from oonstruction and subsequently corrected the map | Α | 4/21/2011 |
| PN | 4/28/2011 | Estimating | WRONG LOC & ADDRESSES | | 3279-15 | 2 | | Mapping Discrepancy | M | 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 | 5/27/2011 | Mapping | CORRECTION DATES WAS MOVED | | 5-D09, 9B6, 8A2, 9A10 | 4 | | Mapping Discrepancy | М | 5/27/2011 |
| SA SF | | Construction Planning | 3018 Dt. Sac Hudson & Keith | IT | 2525 17 4-E06 | 1 | | No Excess Flow Valve Missing Main line Valve | A | 2/2/2011 |
| SF | 2/24/2011 | | Along Forest side | В | 3-E11 | - | + | Main was deleted | 1 | 2/24/2011 |
| SF | 2/24/2011 | Compliance | Paul & Crane St | TT | 4-F04 | 1 | İ | Mapping Discrepancy | TM | 2/24/2011 |
| SF | 3/17/2011 | Estimating | 474 Joost Ave | T | 3-E13 | 1 | 1 | Mapping Discrepancy | M | 3/17/2011 |
| SF | 3/22/2011 | Planning | 224 Ridgewood | I | 3-E13 | 1 | | The service was posted twice | | 3/22/2011 |
| SF | | Planning | 1900 block of Market | Π | 3-A16D | 1 | | Mapping Discrepancy | M | 3/29/2011 |
| SF | | Planning | Market & Duboce | P | 3-A16D | 1 | | Mapping Discrepancy | M | 3/29/2011 |
| SF | 3/30/2011 | Planning | Post and Divisadero | L | 1-F14 | 1 | | Valve number was missing | | 3/30/2011 |
| SF | | Planning | Detroit and Flood | IT | 3-F14 | 1 | L | Mapping Discrepancy | M | 3/30/2011 |
| SF_ | 3/30/2011 | | 1640 Evans Ave | L | 4-D05 | 1 | | The service was never labeled | | 3/30/2011 |
| SF SF | 3/30/2011 | Planning | 1300 Evans Bosworth & Diamond | r | 4-D06 3-E15 | 1 | | Too many unnecessary lines Mapping records do not indicate why a low pressure valve is recorded in | Н | 3/30/2011 |
| SF | 3/31/2011 | Planning | 23rd & Vermont | - | 4-C03 | 7 | | the HP valve book. Mapping Discrepancy | M | 4/1/2011 |
| SF | 4/6/2011 | Planning | 16th & Bryant Sts. | T | | 1 | | Removed valve number, unmaintained valve should be un- | М | 4/6/2011 |
| ŠF | 4/7/2011 | Planning | Oakdale & Selby | - | 4-B02B 4-E04A | 1 | | numbered. Mapping Discrepancy | M | 4/7/2011 |
| SF | 4/8/2011 | Planning | Stanyan & Page | Т | 3-A13C | 1 | | Removed valve number, unmaintained valve should be un- numbered. | М | 4/8/2011 |
| SF | | Planning | 50 Cotter St | I | 3-F15B | | | Service was never updated in 1972. Main was replaced in 1987 but never | 口 | 4/8/2011 |
| SF | | Planning | Alemany & Elisworth | L | 4-E04D | 1 | | updated. | М | 4/12/2011 |
| SF | | Planning | Various Locations | | Various | 15 | | Wrong valve symbol | M | 5/2/2011 |
| SF | 5/3/2011 | Planning | 625 Holly Park circle | | 4-E01 | 1 | | Service was posted incorrectly. | M | 5/3/2011 |
| SF | 5/3/2011 | Planning | 3rd and La Salle | | 4-E05A | | | Removed cut & cap symbols. | M | 5/3/2011 |
| SF | 5/16/2011 | Planning | Various Locations | | Various | 12 | | Wrong valve symbol | M | |
| SF | 6/6/2011 | Planning | Various Locations | _ | Various | 4 | | Wrong valve symbol | М | 6/6/2011 |
| SI | | Construction | 115 E. Empire St, Grass Valley | Ļ | 2102-G1 | 1 | - | Service found in field | j | 1/13/2011 |
| SI | 2/10/2011 | Construction | 20 | L | 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 |
| SI | 4/14/2011 | Construction | 2836 RAILROAD AVE | | 2214-A3 | 1 | | Wrong Location on map | | 4/15/2011 |
| SJ | 1/12/2011 | Construction | 810 September dr | | 3410-f8 | 1 | 1 | added m-2 to plat | | 1/13/2011 |
| SJ | 3/22/2011 | | 1096 S. 2nd St. San Jose | | 3413-E6 | | | add EM | | 3/22/2011 |
| SJ | 3/9/2011 | | 1109 McKay San Jose | | 3352-G4 | | I | add EM | | 3/9/2011 |
| | 3/9/2011 | | N First & Tasman operating | Γ | T | | | Show valve-V4 & V3 | | 3/9/2011 |
| SJ | | | diagram | L | 3351-E5 3414-F2 | | + | show valve-14-F2C & D | H | 3/11/2011 |
| SJ | 3/11/2011 | | Tully Rd & La Ragione | 1. | 10414-FZ 1 | | | | | |
| SJ SJ | 6/23/2011 | | STOCKTON & ASBURY | | 3413-C1 | 1 | 1 | WELDED OVER M-2 | | |
| SJ | | Planning | | | | 1 2 | + | | М | |

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

| IV | IWC | 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. |
| woman. | 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 | 1 / JS | Atmospheric Corrosion (AC) Inspections | AC Inspections involve a visual inspection of all above ground/exposed pipeline facilities that could be subject to atmospheric corrosion. This inspection is performed every 3 years. | 3,352,781 | 3,442,129 | As a result of the AC inspections during the first reporting period of 2011, 28,426 locations were identified for follow-up. |
| escentions. | 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.
- j) Not Applicable "High Consequence Area" is a term of art that does not apply to distribution facilities.
- k) Table 17-1, Column 17k Vintage of pipe is the range of years the pipe installed was manufactured by material. This information is only available for projects that are completed. The year installed is the year the project was completed, by material.
- 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.

| 1 Complete 1 Complete 1 Complete 1 Complete 2 Complete 2 Complete 2 Complete 3 Complete 4 Complete 4 | 5 45 [8] | Mumber Project Name | | | Week Description | Townson. | - Distance of the second of th | | 100 | | All and a second | | | | | l | | | | |
|---|---------------|--|--------------------|--|--|---|--|------------------------------|--------------------------------|--|---|---|--|------------|------------------------------|--|---|---|----------------------------|--|
| Complete | ō | anger Company | Action 1 | | The state of the s | * | Burnana | | i de la constantina | | CONTRACTOR OF THE PROPERTY OF | | | | | | | | | |
| Complete | | | | Work Description | Onschaltel Pas Your Installed | Description Psychia Dimensions | mortos | Location (Division) | | Spelloe Map (Nac and Plat) or Eachly | Segment Resolution Date | He had a second | Manufacture of Se Page Blo | Sourcement | 8 d | December (See Dr. Protector and The | Papeline Denomination Fortuge and Denomina | Phys Dimelsion Med Thickness | Effect on Service | Effect on Other Operatio |
| | | 30828826 OCT EG GPRP OCEAN AND PLANOUTH. SF | | Gas Apathe Reparament Program | See 1030 | 508' of 17' Stees | Pereine Real Program | San Francisco | San Francisco Wa | WALL 0003 PLAT F12 | 2010 | 2011 | Drattoples | nis | 09 | 50 P8tG | Serof Z Plaste Serof Plaste APFof Plaste | Refer to Allachment 17.2 | 3 Services | Reduce 1.2" to 8". Meds capsolty requirements |
| | | 30815778 OCT G GPRP HOLLYPARK 1 (100 APPLETON AVE | | Ges Pysins Replacament Program | Cast tren Unknown | 604 of 4" Cest Iron | Pipsins Repl Program | San Francis co | San Francisco WA | VALL BODA PLAT EOT | 2010 | 2011 | Drawoples | 8,0 | 0.0 | 90 PSIG | 1027 of Z" Plastic | Refer to Attacknoshi 17.2 | 27 Services | Commentinam MAOP 10 5 in ac to 30 ps p system |
| | 0N | 20807801 OC1 G GPRP SLINSET 2, SF | | sa: Ppaine Raplacament Program | 1927 | 3259* of 4" Cast Innn 875* of 12" Cast Innn 1500* of 4" Steel | Pipasina Rapi Program | San Francisco S | San Francisco WA | WALL BODS PLAT C11 WALL BODS PLAT C10 | Plegg 2009 A 1 Uprahed Pleggic Date Not Located | Zon 1 Section 1 | Plasts: Ormopliss Uprated Plasts: Refer to Advantment 17.2 | â | 08 | 05 0 PSIG | 51911 of 2" Plastic 589' of 4" Plastic Uprale 623' of 4" Plastic | Rater to Adactmand 17.2 | 304 Services | Camerifran MAOP 10.5 in acto 80 jasg avidem |
| | NO 3080 | 30805155 GP 214 E OLIVE AVE FRESHO | | Deadurate Man | Steel 1940 Plaste 1975 | 507 of 4" Plastic 140 of 3" Stort | Refoolity General | Freens 61 | Filesmo Mon | WALL 3859 PLAT DS | 10,10 | 2011 | 19/3 | nia | nin. | nia nia | 16.2 | n/a | No offect | No significant change |
| | NO 308 | 3088481 OCT GPRP 25TH ST SPOT MAIN, SAN FRAN | | Gas Pipeine Replacement Program | Cast Iron Unknown | ST2 of #* Cad Itan | Pipasna Repl Program | San France co | San Francisco WR | WALL 0003 PLAT D15 | 2010 | 2011 | Опосорівт | eja. | 88 | 50 PSIG | 545° of 4" Plastic | Refer to Albachmant 17.2 | 30 Services | Convent from MAOP 10 5 I/ we to 60 pag avalem |
| | NO 30% | 13953 OCC REPL MAN HEIGHT & BE | ERMELEY ST. BAK. | Sas Pipelne Replaconant Program | Steel 1/37/1939 | 620° d 4° 55sei | Pipatris Repi Program | Kem | 9aksrafield (Vo. | 4LL 6031 PLAT 102 | 2010 | 2011 | Dratoples | Bio | 10.5 | 6 | C 678 of 4" Pleatic F | Refer to Attachment 17.2 | No effect | No significant change |
| | 7 | 30789519 OCT BYRON MAIN EXTENSION - BIXLER ND BYR | | New Caracily Man Install/ Enforcement | ale | 8 (4) | Capacity | Distrib | Arthority Wa | ARL 0064 PLAT F9 | 2010 | 2014 | Parformance | Bita | 99 | 56 PSIG | 1240' of 4" Plastic | Refer to Attentionant 17.2 | No effect | APD Minimum pressure norsese from 0 to 44 peig |
| | 90.0 | 30789343 OCT RH BS-INSTALL DKST VERNOM 81'B1'S 30784111 OCZ CAPACITY INCREASE HARLAN RNCH CLOU'S | | New Capacity Regulator Station New Capacity Man Installs' Enforcement | Wa Wa | N9 N2 | Capacity | Freed F | Hayward Wa Fresno Wa | WALL 0012 PLAT E16 WALL 3013 PLAT D3 WALL 3013 PLAT C5 WALL 3015 PLAT B5 | 2800 2800 2000 2010 | F 18 | Pastic Dratoples Steel | Searmines | 8 9 | 00 BR DR | 138 of 6.035 Slaw | nia Rafer to Attachment 17.2 Steel 0.2807 | No effect 1000 Services | No significant change herseed capacity 59 MCFH, APD Mithhim pressure 21 pc |
| | | 307830M3 OCT CORPLILERAS REDWOOD OTTY | | New Capacity Marcinolati/ Enforcement | Redic 1987 | 900' of 2" Plastic | Capacity | Permula | San Carlos We | WALL 3278 PLAT G4 | 2010 | 2011 | Direcoples | 9,41 | 25 | 30 P810 | 504° of 5" Plastic | Refer to Adachment 17.2 | No effect | APD Ramman pressure increase from 9 pag to 11 prag |
| | NO 3076 | 8296 OCC 2010 INST ANDDES (15) F. | FRESHO DIVISIA | Validability Cathodic Protection Shotlems | 888 | SOF of 2" Packs | Reliability General | Fresho | Tresmo VA | RIGUS | 22.50 | 2011 | nga se | Big. | Varinte | more ma | 2 | 88 | No effect | Vo significent change. |
| | NO 3971 | 30702354 DC4 GD CAPAGTY CENTRAL AVE MCHINLEYVIL | | New Capacity Main Installi' Enforcement | Di/O | n/a | Capach | Humboldt | Euroka War | ALL 0784 PLAT A1 ALL 0784 PLAT B1 | 2000-10 | 2010 | Dracopias | 8/4 | 99 | S) PSC | 2298' of 6" Plastic | Refer to Attachment 17.7 | No effect | APD Minmum pressure fro 10 petg to 17pstg |
| | 30% | 30781621 OCH GREPLIFFSTLIPPTUNKELAVE SKIBRABANE | | Soliability Main Risplacement | 29 | 290' of 2" Slees 1940' of 0" Slees 470' of 3" Slees | Relability General | San Francisco | San Francisco Wa | WALL BIDS PLAT BOS | 2008-10 | 2010 | Опясораз | e)rio | 0.0 | 50 PBIG | 1330' of 4" Plasts | Refer to Attachment 17.2 | 5 Servese | Vo argnificant change. |
| | NO 307 | 30760377 001 REPL 780' OF Z WITH ZPLESPL PAG | | Pollebitity Main Replacement | Ske11961 Plate 1973 | 27th of Z. Plastic 694' of Z. Stept | Relatelity General | Pertris die | Colma | Wall 8007 PLAT 807 | 20199 | 2010 | US Poly | e/a | 34 | 38 186 | 834' of Z" Phastic | Refer to Attackment 17.2 | 11 Sarvioss | No significant change. |
| | N0. | 20759578 DC1 G REPLR-11 DEWEY & LAGLINA HONDA, SF | | Reliability Regulator Staten Reglacement | | 50° of 7° 518 of 234° of 4° 518 ed | Relability General | San Francisco S | San Francisco ALE | DRIBS ROUSSEAU & ALEMANY BLVD ST | 8 | 2011 | 25 | mie T | 60 loks 50 10 5 Duttet 10 | Strate PSG 100uled in WC | ž | rka Ta | 5 Services | Convertina OP 105 m vic to 80 pstg system. Refocate LP regulator station. |
| | | 30759573 DC1 GREPL MAIN CASITAS & CRESTA VISTA, | | Poliabilly Man Replacement | Stell 1927/1951 Cast Iron 1971 | 77 of 4" Castiron 1505' of 4" Bleat | Relability General | San Francisco S | San Francisco YAR | WALL DODS FLAT E12 | 2010 | 2011 | Direcopies | nia | | 10 m WC | 345' of 4" Physics 434' of 6" Physics | Refer to Atlantonant 17.2 | 19 Services | No significant change |
| - | NO 3070 | 5652 OC1 INSTILL 40P PLAND ABANDON DR BTN 57362 OC1 G DR STATION CARGON CT PITTSBURG | ANDON DR BTN 2 | Deschrate Regulator Bishon Relatifik Regulator Stahon Replacement | Steel 1397 of a | 807 of Z. Steel n/a | Relability General Relability General | Permittila Displo | Colme Ivo | ALL 0010 PLAT A07 | 0.0 | 2011 | 9/8 | eva ma | 000 | 55 PSG | 0,000 | ola ola | 1 Services No effect | No significant change |
| 19 Complete | | 30254774 OCT G GPRP HOLLY PARK 1 SF | | sas Pipeina Replacenzot, Program | Cast fon 1015-1948 Rigelie 1073 | 2041 of f Catilion 770 of 10 Catilion 812 of f Plasts | Ppatos Repl Ptogram | San Francisco | San Francisco Wa | WALL BODG PLAT EGG WALL BODG PLAT EGG | Pleatic 2010 Uprated Plat to Date Not Lacated Date Not Lacated | Zonn Uprale 1972 Stea 1999 Plestic | Plastic Dinatopilar Uprated Plastic Refer to All All All Library 17,1 Uprated Steel | Uprate | 8.6 | 98 B8C | 5073 of 2" Paste 516 of 4" Plaste Uprate 513 of 4" Paste Uprate 553 of 4" Steal | Radier to Adjactonace 17.2 Radier to Adjactonace 17.3 | ZEE Semmon | Conventinan MAOP 10 5 in We to 80 pegs system |
| 20 Complete | N0 3076 | 30754708 DC1 G GPRP STAPLES SAN FRANCISCO | | Gas Ripetine Representent Program | Cast Iron 1017-1926 Steel 1968 | 23431 of 4" Cast Iron 872 of 4" Step | Pipeine Repi Program | San Francisco S. | San Francisco Wa | WALL BODS PLAT F13 | 2009 | 2010 | Dyster opties | nie | 0.0 | 50 P915 | 2808" of 2" Plante | Rafer to Attachment 17.2 | 78 Sevices | Convertings MAOP 10 5 m we to 60 pag avidem |
| 21 Complete | NO 3076 | 30753877 0C1 G GPRP BRYVIEW 2 SAN FRANCISCO | | Gas Pipeline Replacement Program | Cast Iron 1912-1927 | 4091" of 4" Cast Iron | Pipeline Rapi Program | San Francisco | San Francisco Wa | WALL 0004 PLATEOS WALL 0004 PLATEOS | 2008.10 | 2010 | Direcopiles | 2 | 200 | 47 PBIG 10 IN WC | 303 of 2" Plasho 1689' of 4" Plasho 648' of 9" Plasho | Refer to Atlachment 17.2 | 162 Sentes | No significant change. |
| 22 Complete | NO 3075 | 30751825 DC4 GP RN REPLIEWY OROSSING, MAGAZINE ST | SSING, MAGAZINE ST | quiachlig skan Raptos ement | Seet 1942-1957 | 1057 of 2º Steat 5507 of 3º Steat | Rentalify Ceneral | Morth Bay | Volese Voles | WILL 2907 FLAT D® | Pleate 2009 3509 7 - 2008 10 - 2010 | 2010 | Plastic US Poly Bleet 7: Voesdatche 10" - Tensels | Seambres | 99 | 47 PSG | 10007 of 4" Pisebe 250° of 6 620° Steel 320° of 10,750° Steel | Rater to Attachment 17.2 & Steel - 0.230* 10"Steel - 0.363* | 2 Berrices | Mostgadour chenge |
| 23 Complete | NO 3074 | 30748116 GPGAPACHY 8'HP PARALLEL MAIN MODESTO | | Yew Capacitr Naminolalu Enforcement | ola | w/a | Capachy | Yousentle M | Modesto Wa | ALL 3177 RAT AS ALL 3177 RAT B3 UL 3123 RAT E2 | 2010 | 2010 | Drive aplea | n n | 0.9 | 50 PSG | 6750° of 6° Plants | Refer to Attachment 17.2 | No offest | APD Minmum pressure Increase from 4 psig to 24 psi |
| 24 Complete | 100 3074 | 30747707 OCS PUBLIN BLYD DUBLIN INSTALL 4190 FT O | | New Capacity Man Install / Enforcement | ng s | 8,0 | Capacity | Mission | May wand Way | WALL 0017 FLAT C16 WALL 0017 FLAT C15 WALL 0017 FLAT C14 | 2008.10 | 2010 | Drietoplas | 6,0 | 40 60 | 50 PSIG | 4174" of 8" Plastic | Refer to Attachment 17.2 | No effect | APD Minimum (xessure morease from 0 to 17 ps.g. |
| 25 Complete | 9074 | 30742428 OCH INST 1780FT 6-IN PL, BRUGE RD. CHICO | | New Capacity Man Insistiv Enforcement | nga | 143 | Capacity | North Valley C | Chica | MALL 1718 FLAT H7 | 2008.10 | 2011 | Dineopiles | e,a | 99 | 57 PBIG | 1983° of 6" Plas Is: | Refer to Albertonerd 17.2 | No offect | APD nammen pessurs increase from 1 pag for 18 pag |
| 26 Complete | N0 302 | 30741372 DC2 GPRP THIRD STREET OANDALE PHASE 2 | | Gas Pipeme Replacement Program | Steet 1917-1929 | 84g of 2" Steel | Pipasna Repl Program | Y operate 0 | Outralic Units | WALL 3122 PLAT F08 WALL 3122 PLAT E07 | 20.03 | 2010 | Upanor | e in | 88 | 90 PSIG | 2163 of 2" Plastic | Refer to Atlactment 17.2 | 36 Services | Convertitum MAOP 10.3 In no to 60 pag avidem. |
| 27 Complete | NO 3074 | 30740781 OC4 VACA VLY & SHELTER COVE - NSTL R | | New Capacity Regulator Staffon | ng a | 250 | Capacity | Sacramanio | Years Directi | WALL 2548 PLAT II | eju | 2011 | 17.8 | eja. | 55 | 48 PSIG | - Si | -24 | No effect | APD Minimum prassure noressertrom 18 psig to 42 |
| 28 Complete | NO 807: | 30737791 DC4 GPRP STREET PETALUNA | | Gas Pipelina Replacement Program | Steet 1925 1959 | 2375° of 2" Steel | Presine Repl Program | Sonoma Pr | Pelaluma Wa | MRLL 2768 PLAT H06 | 2008-10 | 2010 | Drive oples | eja | 98 | 42 PSG | 1275 of Z' Plastic 11007 of 4" Plastic | Refer to Attachmant 17.2 | 63 Services | No significant change. |
| - | | 30737244 OC4 GPRP SANTA MARGARITA, SAN BAFAEL. | | Gas Pipatne Reposement Program | Steer 1934-1953 Wroughtfron 1931-1932 | 250' of 2" Sheet 250' of 2" Windpit from | Pipeline Rept Program | | San Rafael Wor | OUL 2927 PLAT J03 | 2010 | 2010 | Distroyees | nin. | 68 | 54 PSIG | 528 of 2 Pastic | Refer to Attachment 17.2 | 15 Beivices | Vo significani change |
| 30 Complete | NO 307 | 307/4055 OC4 ROSEVILLE & BUTTERNUT (A-62) REG RPL | | Relability Regulater Station Replacement | 9.9 | 17.8 | Relability General | Sacramento S | Secremento DR | JR 062 R09E/rillE CAPALM AVE | Bjū | 2011 | 108 | n/a | 0,0 | St PSIG | Linea . | yla | No effect | No argnificant change |
| 31 Complete 32 Complete | NO NO NO | 308/2311 DOST G REBUILD CORMALL DR STN PRTYSBUR 308/8123 DOCE 0.1,278-FT 4PL GREATAMERICA PRRYY, SC | | Reliability Regulator Staton Replacement New Capacity Mart Indiat/ Enforcement | 768 168 | 19/8 10/8 | Relability Ceneral Capacity | Distribution All Standards C | Authosh Wall Christian Wall | MALL 33S1 PLAT D? | n/a 2010 | 2011 | n/a Parlomence | ein ein | 24 8 | 75 PSG | nis 1240' of 4" Placino | nia Refer to Adactimani 17.2 | No effect | No significant change. APD Rimmon presente increase from 9 psig to 24 psi |
| 33 Complete | NO 396 | 338/4022 001 G QFRP GEARY 4 SUM FRANDSGCO | | Saz Speine Reporcinest Program | Cast Ion 1026 Pigals 19 25-1930 Sted 1036-1658 | 353 of 3" Cast from 150" of 4" Cast from 91 of 9" Cast from 2450" of 4" Cast from 855 of 4" Steel 460" of 6" Steel | Pęsins Ropi Program | San Franceco | State Francisco | WALL DOD PLAT F12 | Plegas Zons 10 Jangas Plegas Od 8 Nel Located Steel Zone, Zone | 2010 Upress 1975, 1980 | Pleats Checked Pleats Refer to Attachment 17.2 Steel Teners | Seamless | 9 | 089 | 350 of 12,750° Stess 4590° of 2° Phasis 27° of 4° Phasis Uprafe 1130° of 4° Phasis | Relectio Attachment 17.2 Steel (1,37.5" | 202 Services | Convert Novo Mao P 10 5 m we to 100 para system |
| 34 Complete | NO 8061 | 30614888 OCT G GPRP SAINT FRANCES 4, 85 | | Gas Apeins Replacement Program | Castino 1912-1928 Plade 1976-1934 Steel 1958-1930 | 4495' of 4" Cast from 3420' of 4" Plasts 530' of 4" Blest | Ppsina Red Program | San Francesco | San Francisco WW | VALL DODS PLAT ETT | 2010 | 2010 | Отмитріва | 6/6 | 09 | 50 PSG | Uprate 3247 of 2" Plastic 3573' of 2" and 4" Plastic | Rater to Attachment 17.2 | 173 Services | Camerattram MAOP 10 5 in an to 60 ps ip system |
| 35 Complete | NO 3084 | 30649246 DCI GPP BALBOA TERRACE, SAN FRANCIBCO | | Gas Pipelina Replacement Propriem | Castings 1914-1928 Steel 1978-1931 | 4002' of 4" Cast Ingn 105 of 6" Cast Ingn 22ff of 4" Steel | Ppsins Repi Program | San Francisco | San Francisco Wa | WALL BODS PLAT E11 | 2009-10 | 2010 | Dritter apilies | nia Bia | 00 | 80 | S100' of 2" Plastic | Rafer to Albactronant 17.2 | 100 Services | Converting MAOP 10.5 m wc to 80 ps p system |

TABLE 174
FIG GAS AND ELECTRIC COMPAI
PROJECT DESCRIPTIONS

| iffs. Effect on Other Aper alloste | Convertirum MAOP 10,5 in tec to 80 ps g ay elem | Ne significant change. | significant change significant change | Convetifron MAOP 10.5 in we to 60 psig ay alem | Connect tham MAOP 10.5 In we to 60 ps p. sy dem | Connest 276 MAOP 16 5 in wo to 66 pag system and 3480' with no spaticant change | APO Minnsyn preseure Increse e fram 9 palg to 13 palg | APD Ammum preseurs increase from 4" we to 6.5" we | No significant change | FIG. Supprisons controller. Increased support 400 MCFH, APO Minthum presente? PSIG. | No significant change | No significant change | No significant change. | No significant change. | No argnificant change | Convext 2289 MAOP 10.5 in we to 10 parg ayatem and 1696 with no a sprificant change | Centres (MACP 10 5 m vic so 69 peto yakam Torkali naer (regulatien skapon | - significant change | Convert IP to (to prog. Rydnow, 15 regulator vi skulture | No significant change | No significant change | Ne algorificant change. | Convertinan MAOP 10 5 in we to 60 ps g syldem | Convertion MAQP 10.5 in yer to 90 gstg ay elem | Convert 5970* MAOP 10 5 in vic to 60psig system and 470* with no significant change | *D Rammon pressure from 1 tip to 15 pelg | TBD Project to in design |
|--|--|--|--|---|--|---|--|--|--|---|--|--|---|--|--|---|---|--|--|---|---------------------------------------|--|---|--|---|---|---|
| Photos at Barrior | 100 Services Col | 36 Barrines No | 34 Sevices No 20 Sevices No | 239 Services Pro | 46 Services Cor | 85 Barrioss 1e 6 | No offest APR | No offed APP | No effect No | SOU Services APP | No effect No | 18 Services No | 24 Sevices No | No effect No | 73 Services No | 106 Sarvices work | 106 Sarvaces 90.1 | 7 Services No | 1.33 Samplese Col | 27 Services No | 92 Sevices No | 33 Sevices No | 142 Services Col | 150 Services Col | ZGE Sarvices veri | No effect project | 72 Sarensa TBI |
| The Distriction | Refer to All achtenents 17.2 | Refer to Attachment 17.2 | Refer to Attachment 17.2 Refer to Attachment 17.2 | Refer to Attachment 17.2 | Rafer to Athacterise of 17.2 | Refer to Attentionant 17.2 | Refer to Attachmant 17.7 | Rafer to Attachmant 17.2 | | Refer to All actiment 17.2 | ola | Refer to Attachment 17.2 | Refer to Attachment 17.2 | 88 | Refer to Attachment 17.2 | Refer to Attachment 17.2 | Rider to suscitorastr 17.2 | Rister to Attachment 17.2 | Rider to All activistic (7.2 Rizer to All activistic (7.3 | Refer to Adjactmant 17.2 | Refer to Attactment 17.2 | Refer to Attachment 17.2 | Refer to Attachment 17.2 | Refer to 34 actimans 17.2 | Refer to Attachment 17.2 Refer to Attachment 17.3 | Refer to Adambrent 17.2 | Rafer to Albachment 17.2 |
| Pipeline Diversions Fundage and Demons | 4074' 672" Plaste 382' of 37" Plaste 78' of 1.25" Plaste | 2186' of 2" Plasto | 1757 of 2 Parts | 4053 of 2" Papelic | 2432' of 4" Plastic 1490' of 6" Plastic | 2538 of 2.4 and 8* | 10507 of 6" Plastic | 1540' of 8" Plastic | 201 | 12903'of & Plasts | 99 | CSO of 2" Plastic SGC of 4" Plastic | 400' of 1' Pleate 1280' of 2' Pleate 2500' of 4' Pleate | 88 | 54.00° of 4° Plants | 240' of 7' Plants 2028' of 7' Plants 1259' of 4' Plants | 9947 of 2º Peas to 483° of all Peastle Uprate 147° of 1,53° Placific Uprate 338° of 2º Peastle Uprate 269° of all Peastle | 281 of 8" Plastic | 5 of 1,37 sheet 2006 of 2000 10 of 2000 505 of 47 place 90 of 47 place | 15/8' of 1.25' Plasts: 1578' of 2' Plasts: | 361 of 4" Pasts 1754' of 6" Plasts | 3943' of 4" Plants: | ee21' of 2" Pisetic | 1779' of 2" Pissess. GRV of 8" Plastic | 3501' of Z' Plaste 108' of 4' Plaste 84' of 4' Steal 897' of 6' Plaste | 2360° of 4" Plasto | 630° of 4° Pleate 630° of 4° Pleate |
| 20 CONT. 170 CON | 284 | 286 | 088 | 0.00 | 20.00 | PSIC II WC | 986 | ii wc | 588 | 2 | 588 | PBIG | 0.84 | PBIG | III WC | PBIG III MIG | 2000 | DBd | 9. 0 | PSG | n sc | 080 | 250 | 28.5 | PSIC II MC | PSIG | II WC |
| Bernding Presente | 99 | 63 | 2 2 | 8 | 8 | 82 | 4 | 10 | 8 0 | | 8 | 8 | 9 | 9 | 8.2 | 50 | - 18 | F | 18 | 25 | 2 | 8 | 8 | 8 | 8.2 | is. | 93 |
| fation a | 99 | 20 | 5 Q | 8 | 8 | 8.5 | 8 | 9 9 | 8 8 | 2 | 8 | 98 | 8 | 89 | 10.5 | 908 | 8 | 8 | 8 | 25 | 10.5 | 8 | 8 | 99 | 9 9 9 | 99 | 10.5 |
| Searches or Mail contribution | 8,0 | 8,4 | nia | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufactors of Page | Draw oples | Drawoples | Distribu | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 M | 2010 | 2010 | 2010 | | | | | | | | | | | | | | | | | | | | | | | | |
| Michael of Spetter Seprent Report of Sep | 2008.10 | 2010 | 2008-09 | | | | | | | | | | | | | | | - | | | | | | | | | |
| Protein the May and Plats | WALL 0005 PLAT D06 WALL 0005 PLAT D06 | WALL 2715 PLAT D08 WALL 2715 PLAT C08 | WALL 2715 PLAT C06 WALL 2709 PLAT J04 | WALL 0005 PLAT A12 WALL 0005 PLAT A13 | WALL 3859 PLAT F03 WALL 3859 PLAT G03 WALL 3859 PLAT F04 | WALL DOOR PLAT FOO | WALL 2002 PLAT AG WALL 2002 PLAT A7 | WALL 2870 PLAT D? WALL 2870 PLAT D3 | DR 824 NAVY DISFREGNO ST 18U1 | WALL 2010 FLAT HE WALL 2010 FLAT HE WALL 2012 FLAT AS WALL 2012 FLAT AS WALL 2012 FLAT BS WALL 2012 FLAT BY WALL 2012 FLAT BY | DRICH CRESCENT DRIS HWY 242 | WALL 3005 PLAT HI | WALL OF HE RUT OF WALL OF HEAT GR | DR G 803 WOODWARDISHABTA | WALL 3969 PLAT COS WALL 3969 PLAT 806 | WALL 3613 PLAT D08 WALL 3613 PLAT C05 | WALL 2819 PLAT DIG WALL 2819 PLAT DIG WALL 2819 PLAT DIG | WALL 2469 FLAT GS | WALL 2807 PLAT J J WALL 2809 PLAT J J WALL 2809 PLAT G G WALL 2809 PLAT G G | WALL 2927 FLAT J02 | WALL 0003 PLKT E14 | WALL 2710 FLAT J2 WALL 2710 FLAT J3 | WALL BOOK PLAT ED! | WALL 0004 PLAT DOI WALL 0003 PLAT E16 WALL 0004 PLAT E91 | WALL BIDS PLAT E13 WALL BIDS PLAT E14 | WALL 0050 PLAT E-05 WALL 3005 PLAT D5 | WALL DBD3 PLAT F18 |
| 17g | Oakpari | Vacavile | Vacavíle Santa Rosa | San Francisco | Frestro | San Francisco | Manavde | Stotiston | Stockton | Frestra | Consord | Stockton | Trans | Chies | Friesno | Christia | Stotistion | Sacramento | Vintee | San Rafael | San Francisco | Nana | San Francisco | San Francisco | San Francisco | Concord | San Francisco |
| 17g culton (Dedicion | East Bay | Sarramanto | ramento | San France co | 8120 | San Francis co | Stanta | Stockton | Stockton | 100 mm | Osabio | Stockton | Stockton | North Valley | Fresho | San Jose | Stephton | ramento | Sloriden | North Bay | San Francis co | Varih Bay | San France co | San Francis co | San Francis co | Debio | San Francis co |
| Furpiese La | Peakine Rest Program — Eas | Ppsins Repi Program Sar | patna Repi Program Sa patna Repi Program So | Pipeine Rept Program San | Pipeine Rept Program Fre | Pipalina Rapi Program Sa | Capacity | Capacity | Relability General Sto | Capacity Courses | Reliability General Dis | Reliability General Sto | Relability General Sto | Relabilità General No. | Pipama Rapi Program Fire | Pipsins Repl Program Sar | Tpakna Redi Program Sto | stability General Say | Reproment Our HPR 810 | Ppasna Repl Program Na | Pipaina Repi Program Sa | Ralability General No. | Pipetine Rept Program San | gratio Red Program | Pipsina Repl Program Sar | Capach | Ppaina Repi Program Sa |
| Verit Description Description Dimensions | 2515 of 4" Castinon 2007 of 2 Steel 1150 of 3" Steel | 2330° of 2" Steal P | 134 of 2 Steel P | 8 | 3407' of 6' Castilon P | 2059 of 4" Cast from 1421" of 6" Cast from 275 of 4" Step | 2 | 2 8,0 | G. 10 | 7 C C | | SOU of 3 Steel | 2850° of 2" Steal R 400° of 0.75" Steel | | 110' of 6' Cast Iron P | 1950 of 3" Shad 900' of 3" Shad 1952 of 0" Wrought fron | 1430' of 2' Sted 390' of 7' Sted 1930' of 7' Sted 1730' of 2' Sted 203' of 7' Step 225' of 12'' Plesto 290' of 2' Rayte | 21 of 3" Unknown Material R. | | á | | | 3451 of 4" Cast Iron 165 of 4" Sted 730' of 8" Sted | | 1095' of 4" Cast from 500' of 4" Cast from 1455' of 4" Placts 300' of 4" Steel | | 30" of 4" Cast Iron 9" of 5" Cast Iron 30" of 5" Seel |
| More Description Description Description | Cast Iron Pre-1508 - 1929 - Parps: 1979-1922 - Seel 1928-1940 | Steel 1339 | April 1931 | Castiron 1915-1927 Placia 1977-1979 Steet 1928-1930 | Cast Ion 1914-1929 | Castima 1912/1922 Steel 1962 | Th/S | 9,0 | aga . | 10 m | 8,0 | Step11838.1947 | Steel 1951.1958 | nga J | Cast Iron 1915-1925 | Stel 1929 Wrought Iran 1925 1931 | Repti 1973-1998 | 19547 | | Wrought Iron 1024-1032 | Cast Iron 1915-1978 Steel 1978 | Plactic 1980 | Cast mm 1911-1925 Steel 1931-1973 | Cast fron 1911-1825 Stell 1954-1958 Plateb: 1973-1974 | Cast fron 1926-1928 Steel 1935-1950 Plates 1930-2009 | ole e | Cast Iron 1917-1928 Steel 1938 |
| 100 Work Description | Gas Spethe Reporcement Program | Gas Pipelina Replacement Program 8 | Gas Apéine Repassement Program Gas Proéine Replacement Program S | Gas Peretre Replacement Program P | Gas Pipeine Replacement Program | Gial Pipelina Replacement Program | New Capacity Man Install / Enforcement | New Capacity Mars Install / Enforcement | Penstally Regulator Station Replacement in | Now Copposity Math Install/Enforcement | Relability Regulator Station Replacement | Relability Main Replacement 8 | Reliability Main Replacement | Palatitly Reputator Station Replacement in | Gas Pipeine Replacement Program | Gas Apeine Repasement Program | Gas Pipeina Regiopensyd Propram | Splatety Man Replacement | Cust I+PR Reg Sin Cow O at M sin | Gas Ripeline Replexensel Program 8 | Gas Pipelina Replacement Program | Pelatidiy Man Replacement | Gas Pipatina Repracement Program | Gas Pipama Reprovement Program 9 | Gas Apelina Replacement Program 9 | New Capacity Marninetally Enforcement of | Gas Pipeine Replacement Program |
| On Physics Name | OCT G BERGELFY GPRP - PHT ASHBY UPBATE | OC4 GP PRP EUZABETH @ MARON, VACAVILLE | DOC4 G PRP DOBBINS @KENDAL, VACAVILLE DOC4 GD GPIPF FIRST 3T WEST, SOND/KA. | OCT GPRP CAPITOL 3, SAN FRANCISCO | HUNTINGTON & 5TH 2011 GPRP FRESNO | OCT RAEG GPPP SAN BRUNG, SF | INST 1050' OF 6" PL, ELM ST. LIVE | *LOCUST, LEE TO SACRAMENTO, LODI * | RA, REPLYALYES STHROW, FRESHO & NAVY 1 | R2 INST 17000 FT OF \$F PLANIN FRESNO | DOT GREBULD DR STA GREBGENT DR CONC | STH & LINCOLN, STOCKTON | GRANTLINE & L.Z. , | OC4 IN 803 ORLAND TERTIARY RBLD, WOODWAR | WEST FRESNO OFRP 2010 | G S 12TH & S 13TH ST, SANJOSE GPRP | OPPLDQUETRHENHERMED DIL DE PHAS | GP HAZEL AVE BETWY OREENBACK & FORTUNA | R2 Calenger Jahart R0 CF is TO DISTRBUTION | GPRP GROVE HULAVE, SAN ANSELRO | A GPRP - CONDO 1 - BF | OP DW BUHMAN & TWN OWKS, NAPA | M GPRP CRESCENT 3, SAN FRANCISCO | R1 E G GFRP BERNAL HEIGHTB, SF | G GPRP-J0037, BF | DOS MAIN REINFORG - STONE YLLY RD, ALAMO | RA G GPRP ATHENS, SF |
| Drafer Number | 20616138 | 30616130 | 30816128 | 30807861 | 30807391 | 30305316 | 30736944 | 30787736 | 30782887 | 20767361 | 30757351 | 30756701 | 30766648 | 30754754 | 30750011 Y | 09608908 | 2522000 | 0946074 | 30940277 | 30835701 | 30823923 | 30827211 | 30822194 N | 30824.601 | 30824110 | 30820811 | 308,000.64 |
| Federal or Consultation Regularization Authory or Federalization | | | ON ON | | Q. | 000 | NO NO | 0N | NO STATE | 00 | NO 3 | 9 | 0N | NO NO | ON ON | 9 | NO NO | ON | § | 90 | 99 | GM 3 | 9 | ON. | NO NO | NO 33 | N0 3 |
| Frigati Strikus | Complete | Complete | Complete | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Documentation | Construction | Construction | Construction | Construction | Construction | Construction | Construction | Construction | Construction | Construction |
| 2 4 | 38 | 3.1 | 38 | 40 | 2 | 42 | 43 | 4 | 45 | | 48 | 49 | 05 | 15 | 25 | 29 | \$5 | 99 | 88 | 2.9 | 88 | ss | 09 | 2 | 6.2 | 63 | æ |

TABLE 174 HO GAS AND ELECTRIC COMPAN PRO ECT DESCRIPTIONS

| Ps. Effect to tithe tipe diate | Convert Specificación 10 8 m vecto ello pelograpatem and 950's with no algorithms of change | Ne significant change | No significant change. | No significant change | Conneatings MAOP 10.5 in wick HP Installingwingstein station | Redundancy to prevent subspec. | Convention MAOP 10.5 In we to 60 jptg system | Convert from MAOP 10.5 in we to 80 psig system | Convert 2000 NAOP 10 5 m we to 80 pag wetern and 2689 with no significant, change | Connet 3893 MAOP 10 5 m we to 60 ps to and 235" with no significant change. | Convertition MAO P10.5 in ercto 60 parpayatan | Convert 2475 MAOP 10 5 m we to 50 parp systems and 1927 with ns algorificant change | Commenting MAOP 10.5 in sec to 60 ps p.sy dam | Convertition NEAD P 10 5 m wister 40 psig system | Convert from MAOP 10.5 in we to 60 psig western | Conneat from MAOP 10.5 in ver to 60 os g systlem | Commer 1987 MAOP 10.8 in wis to 80 ps ig sy tean. Commert age was tean to 11 psig system psig system or 10 ff with my storifficant change. | Connect from MAOP 10 5 in we to 60 as ig system | Conneal 2205 MAOP 10.5 m we to 53 ps to system | No significant change | APD Nummon preceure noneses from 30 palg to 45 | Vo significant change | Conneal MAOP 10.5 in we lo HP APD Mildham pressure svatem fecreses from 5 in we to 6 in we | APD Minmin pressure noverse from 0 to 23 psig | Vo significant chenge APD Minham pressure | No significant change. | Vo significant change | No significant change | No significant change. | All algaliments to pergan |
|--|---|--|--|--|---|---|---|--|---|---|---|---|--|--|--|---|--|--|---|--|---|------------------------------------|---|--|--|--|--|---|---|--------------------------------------|
| Effect att | 197 Services | 66 Semises | 22 Sevices | No sfett | 49 See 1883 | No offest | 36 Setvices | 199 Setuties | 150 Services | 130 Servicos | 102 Services | 186 Sermes | 234 Services | 113 Services | 146 Sehillez | 105 Services. | 214 Services | 156 Satricos | 55 Springs | 28 Septions | No sffed | 54 Signices | 39 Services | No effect | No effect | No effect | No effect | Т | No office! | |
| 75pe Ellisterskon Valle Tijebyrese | Refer to Albentrant 17.2 Refer to Albentrant 17.3 | Refer to Attachment 17,2 | Refer to All actionant 17.2 Refer to All authorist 17.3 | New York and Market and Co. | Sefer to Allactroant 12.2 | n/a | Rater to Attachmant 17.7 | Refer to Attachment 17.2 Refer to Attachment 17.3 | Refer to Atlachment 17.2 | Refer to Attachmant 12,2 | Refer to Altechment 17.2 | Refert a Attachment 12.2 | Rater to Atlactmant 17.2 | Refer to Machinerif 17.2 | Refer to Allachment 17.2 | Stater to Adlactimant 17,2 | Refer to 3d extrosed 17.2 | Refer to Atlactment 17.2 | Refer to Atlactmant 17.2 | Refer to Attachment 17.2 | ola | Rafer to Athentmant 17.2 | Refer to Adlactmant 17.2 | nia | ole ole | ole | nts | nýa. | Olds | OSS le remembrate trus |
| Parties Dimensions Publies Dimensions | \$750 of 7 Planto 795 of 67 Natho 167 of 67 Sheet | 4167' of 125' Plastic | 800f of 2" Flasho | 199 | 202" of 2" Plastic 2380" of 0" Plastic | Sign Sign Sign Sign Sign Sign Sign Sign | 1989' of 2" Plastic 584' of 4" Plastic 22th of 9" Plastic | 3630° of 2" Planto: 120° of 4" Stee: | 2242 of 2 Plants 550 of 4 Plants 5 420 of 9 Plants 1500 of 9 Plants | 3544 of 2" Plastic 705" of 4" Plastic | 1915' of 2" Pleato 425' of 4" Pleato | | 3200° of 2" Plastic 680° of 4" Plastic 1030° of 3" Plastic | 1 | 109 of 1.25" Plaste 6071 of 7. Plaste | 7455 of 2 Plants | 2830 of 2" Prestic 1338 of 4" Plastic 1725 of 6" Plastic | 4170 of Z Plasto. 858' of 4' Plasto. | 2289' of 2" Plante | 1405' of 1.25" Plastic | E/so | 300° of 1.26° Playbo | 384 of 1.27 Pasto 854 of 2 Pasto 1110 of 9 Pasto | nie nie | 100 | + | 11 | _ | 1100 | 0.4 708.0 |
| Characters (See 17) | 30 10° vm | 14 980 |) Bd | 186 | 05 | 53 PSIG | 986 | 09 05 05 | 50 PSIG 10 III WG | 49 P8G | 286 | 50 PSG 10 III 94G | 98 | 95 Pigg | 956 | 06 | 05 PS D D D D D D D D D D D D D D D D D D | 088 | PSC | PSIG | 50 PSG | 550 | 28.0 28.0 | 50 PSIG | 33 PSIG | +- | $^{+}$ | | 284 2 | - |
| | 00 10 % wc 110 | 21 | 000 | 0 0 | 8 | 26 | 8 | 90 | 90 91 | 8 | 90 | 260 34 | 8 | 98 | 99 | 26 | 08 11 10 10 10 11 | 09 | 23 | 60 57 | 95 | 120 | | 99 20 | 2 2 | + | \mathbb{H} | + | 92 | 4 |
| Ton 1701 September of Mail controllesis | 8 8 8 | | 8 8 | | * | | | * | - E G | * | | 200 | | | | - | 8-2 | | * | | | 0 | | - | 4 0 | | ~ | 10 | 6 15 | - |
| blanutactors of | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Vitroger of Pigretine Sugment Reported Year in passing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | _ |
| 177. Prostine they Shap condition or Feeling | WALL 0003 PLATE15 | WALL 0000 PLAT B10 | WALL 2862 PLAT F2 Mail may Plat P3 | WALL BOX PLATES | WALL 0005 PLAT 098 WALL 0005 PLAT E05 | WALL 2217 FLAT Ja | WALL 3859 PLAT F02 WALL 3859 PLAT F01 | WALL DODA PLAT COT | WALL BOD PLAT B14 WALL BDD PLAT C14 | WALL DODG PLAT FOS WALL DODG PLAT FOS | WALL DIGS PLAT D19 WALL DIGN PLAT CO WALL DIGN PLAT DD1 | WALL 0005 PLATA 16 | WALL DOOS PLAT B10 | WALL 0005 PLAT 412 WALL 0005 PLAT A13 WALL 0005 PLAT B17 | WALL 2860 PLAT GS4 WALL 3860 PLAT F84 WALL 3860 PLAT F03 | WALL DODA FLAT COI WALL DODA FLAT DOT | WALL 0006 PLAT F01 | WALL 0005 FLAT A13 WALL 0005 FLAT B13 WALL 0005 FLAT A14 WALL 0005 FLAT A13 | WALL 2154 PLAT D07 WALL 2154 PLAT E0? | WALL 3412 PLAT EGS WALL 3412 PLAT DGS | WALL 2639 PLAT HB | WALL 3213 PLAT E07 | WALL 1350 PLAT 108 | WALL 0020 FLAT E16 | WALL 2278 PLAT 64 | DR R-56 WONDERLAND BLIZDWITH MAID IND | WALL 2442 FLAT DS | DR O BEN 12 TH & O'RO DAM | WYERS WALL 3412 FLAT C07 | WALL SHIR FLAT DOS |
| theoretice (CIP) | Slan F rancisco | Oakbart | San Refael | Consord | Skhmand | Marysorlio | Fresmo | Sanfrances | San Francisco | San Francisco | San Francisco | San Francisco | San Francisco | San Francisco | Fresho | San Francisco | San Francisco | San Francisco | Manarde | Christian | Nersa | Coma | Red Bluff | Havesid | Santa Rosa San Cartos | Redding | Sarta Resa | Chied | Chied | CERTIFICATION |
| 77g 2 acritor (Dolean | San Francisco | East Bar | North Bay | Daleio | East Bay | Systra | Fresmo | San Francis co | San Francis co | San Francis co | San Francis co | San Francis co | San Francisco | San Francisco | Freezna | San Francis co | San Francis co | San Francisco | Stene | Santose | North 8ay | Peninus | North Votey | Mission | Sonoma Pennaule | Marth Visits | Sonoma | North Valley | North Yalley | 34111038 |
| 95 Marine | Peetre Rept Program | Pesins Repl Program | Relability General Relability Ceneral | Relability General | Ppains Sept Program | Capacity | Pipaina Repl Program | Ppaina Ragi Propram | Pipaina Repi Propram | Ppsins Repl Program | Ppsine Repl Program | Ppsina Rep Program | Pipatna Repl Program | Psystins Repl Program | Pipetine Sept Program | Ppsine Gept Program | Ppassa Repl Program | Ppasna Repl Program | Pipatna Repl Program | Pipsine Rept Program | Canadiy | Pipeine Repl Program | Ppasna Repl Program | Capacity | Relability General Capacity | Relability General | Relability General | Reliability General | Relability General | Pipallia nagrinogram |
| file Work Eventgator Eventholis of Paraline Damensons | 530 of #* Cast Iron 1510 of #* Cast Iron 1050 of # Sted 1550 of # Sted 1550 of # Sted | 2280° of 2" Steal 1080° of 3" Steal | 788 of 2" Steel | 100 017 0000 | 2530' di 10' Castillon 340' of 2' Plastic 509' of 3' Plastic 100' of 3' Seel 133 of 4' Seel | o/a | 2154" of 4" Cast Iron 250" of 10" Cast Iron | 909 of 4" Cast form 1045' of 6" Cast fem 125 of 4" Plaste 2575' of 4" Steel 2305' of 12" Steel | 1939 of # Cast ton 1131 of # Cast ton 1105 of # Cast ton 180 of # Shat | 24101 of 4" Cast Ion 555 of 4" Raths 100 of 2" Rests 2553 of 4" Siesi | 1410 of f. Cattleon 1810 of 10° Cathon 1200 of 12° Cathon 380 of 6° Seal | 940' of 4" Cast Iron 241' of 8" Cast Iron 250' of 2" Plats 133' of 2" Sheel 345' of 4" Sheel 235' of 2" Verugilii Iron | 4362' of 4" Cast Iron 1318' of 8" Steel | 105% of 4" Cast Iron 22.05 of 8" Cast Iron 30" of 2" Steel 885" of 4" Steel | 1499' of T Cast Iron 1478' of T Shed 3880' of T Shed | 3531' of 4" Cast from 215 of 9" Cast from 2800' of 6" Cast from 3900' of 10" Cast from 135" of 9" Steel | 1620' of 4" Cast Iron 2239' of 4" Cast Iron 2122' of 4" Steel 774' of 4" Steel | 3683 of 4" Ceat from 1270" of 4" Seat from 1180" of 4" Seat | 1775' of 3" Bleat 380' of 4" Steet 40' of 3" Wrought Iron | 1240' of 2' Steat | nýa | 1820° of 2° Sheet | 245 of 2° Steet 1100' of 2° Steet | Ivis | nvs vys | n/s | ris | 82 | 400 of 12" Steel | 72% of 8" Vinsught Iron |
| Mork Description Disablished Objectives Indishive | Cest Ion 1914-1925 Stel 1926-1902 Wroughtfron 1938 | Steel 1038-1040 | Steel 1945-1951 Place 1956 | 0.00 | Cast fron 1914 Phanis 1935-1935 Steal 1956-1983 | e po | Castl/on 1914-1919 | Cest Iron Prior 1909 1925 Steel 1996-1973 Plants 1986 | Cast fron 1015-1948 Steel 1032-1959 | Cast from 1912-1927 Street 1031-1966 Plactic 1990-2000 | Steel 1953-1992 Cast Iron Unkmen | Cast from 1914-1829 Steel 1931-1857 Whought from 1926 Marter 1982 | Carl Inn 1013-1015 Steel 1914-1938 | Cast from 1013-1016 Steel 1936 Plade 1991 | Cast Iron 1921-1927 Steel 1921-1998 | Cast fron 1928 Steel 1948 | Cast fron 1924-1937 Steel 1926-1957 | Cast fon 1918-1928 Steel 1982 | Steel 1924-1930 Wrought from 1927 | Sept 1039-1949 | e ja | Steet 1916-1930 | Steet 1923-1928 | wa | ode ode | n/B | n/a | wa | Wroughfirm 1927 | Street 1927 |
| Un. | Gas Pipeline Ropescenteri Program | Gas Pipeline Replacement Program | Reliability Main Replacement | Relability Regulater Station Replacement | Sas Pipeine Represented Program | New Careably Regulator Station | Gae Pipelina Replacament Program | Gas Pipelina Repleosement Program | Gas Pipeme Reprocensed Program | Gas Apelne Replacement Program | Gas Apeins Represented Program | Gas Pipems Replacement Propram | Gas Pipeline Replacement Program | Gas Ripeme Reprocement Program | Gaz Pipeine Reportement Program | Gas Apeins Agrasenad Progran | Gas Pipeline Rigilebensol Propran | Gas Pipeline Replacement Program | Gas Pipeline Replacement Program | Gas Ryeane Representat Program | New Cassoty Regulator Station | cas Pipatna Replacement Program | Gas Pipeline Replacement Program | New Capacity Regulator Station | Relability Regulator Station Replacement New Cepacity Regulator Station | Relatify Regulator Station Replacement | zelabiliy Regulator Staton Replacement | Reliebthy Regulator Station Replacement | Reliability Regulator Station Reglacement | sas il patita nopeaconana il topiano |
| (file) Project Name | G OFFP BALBOA PARK 4, SF | ROL GP VANDSOR, ALAMEDA GPRIP | S RM REPLIMAIN ORANGE AVE. NOVATO | REBUILD MARSHALL DRIVE DRISTATION | SERKELEY GPRP - PHASE 2, PRINCEMELEG | REBLD OR MRC 12, 197 & E. ST., WHEAL | HUMINGTON & TULARE 2011 GPRP FREBNO | GPRP MISSION DISTRICT 4, SAN FRAN | RAE G GRRP 18TH ST, SAN FRANCISCO | G GPRP BAYVIEW 3, SAN FRANCISCO | G GPRP SOUTH VALENCIA S, SAN FRANCIS | G GPRP PERSIA, 8-AN FRANCISCO | G GPRP SUNSET 3, SF | G GPRP DCGNAVIEW, SAN FRANCISCO | HUNTINGTON & STH GPRP 2011 FRESHO | RAE GPRP AISSION DISTRICT 3, SAN FRANC | G GPRP DXFORD, SF | MOZ) 97 2GPRP O UTER MISSION 2 | REPLLE OPRP NTH & N, MARYSKULE | G HAROLD AVE GPRP, SJ | G CAP, REG 113 REBUILD, YOUNTVILLE | HOOVER GREE DOLL CRITICAL PROJECTS | RED BUJFF GPRP CEDAR & JACKSON | INSTIBUAL DR. STATION OSGOOD RD. FREM | GRUNGRADE RSRN-BROADWAY SMACARTHUR, BON B BON DR, A CRESTVIEW DR | RLND, MTN GAT | Trogra | | ONCE-008 M YERS & IDORA RBLD, ORDVILLE | |
| Die on The Charles | 30000018 | 30814275 8 | 30913957 0 | 30812739 | 900100G | 303101505 | 30808712 H | 30808280 | 30808281 | 0 09/280808 | 309[8157 | 30908140 | 3080808 | 30807877 | 30957430 | 30900312 | 30908814 | 3080808 | 30804511 | 30801105 | 30797133 | 30798785 | 30735700 | 30787989 | 30785447 G | 1 | 11 | _ | 30755085 | 4100017 |
| Footenation Commission Registration of Autology of | 2 | Si . | ON ON | VEB | NO NO | VES | NO | ş | 2 | ON. | 2 | 2 | ON. | ğ | 9 | 2 | 9 | 9 | GN. | Q. | ON. | ΟN | YES | Ñ | SW CW | 83.4 | SB4 | ON. | 2 5 | Ties. |
| Propositions | 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 | Construction | Construction | Construction | Construction | Constitution |
| Line No | 15 | 99 | 67 | 69 | 70 | E | 22 | 22 | 72 | 7.5 | 25 | 11 | 22 | 13 | 08 | 50 | Cr. | 000 | 20 | 98 | 98 | 128 | 00 00 | 9.0 | 08 25 | 28 | 88 | æ | g 8 | 98 |

TABLE 174 OFIC GAS AND ELECTRIC COMPAN

| | こうしゅう こうしゅうしゅう はんしゅうしょう | Colon Antigerical and American Series | | The state of the s | | | | | CHANGE MANAGEMENT OF THE PARTY | | The second secon | CONTROL OF CONTROL OF CONTROL | | The second of th | | | | | AND THE PROPERTY OF THE PROPERTY OF THE PARTY OF THE PART |
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| TRUE NO | Project Strens | Pedesti of Commission Registraties or Amisery of Pocamerandalism | Draw Alemba | Project Name | - Mouth Description | Mork Description Disactivates Pipor Hea Intraffed | Moris Deserription Described of Infrastrus Dimensions | Purpose | Leconor (Delision) | Location (CIIV) | Section of the sectio | Year thouse out Manufacture of Soun | Substitute of Military | Present Present | (See 170) | Pipoline Dimensions Footage and Demoker | Phys Dissession Wall Therwase | Effect of Sandor | Effort to ather Operations |
| 97 | Construction | 9 | 30749118 | GPCAPACITY #HP PARALLEL MAIN OAKDALE | New Capacily Man Install/ Enforcement | ria de la composición dela composición de la composición de la composición de la composición dela composición de la composición de la composición de la composición dela composición de la composición dela composición de la compos | li s | Capacify | Yosemle | Davidale | VAUL 3123 PLAT E2 WALL 3123 PLAT E3 SWALL 3123 PLAT E4 | | 98 | 95 | PSIG 4000 | 4000' of 6" Plante Rei | Refer to Abachment 17.2 No. | No effect in | APD Minimum Pressurs Increase from 12 psig to 30 psig |
| 88 | Construction | ON H | 30746039 | PH 1 BERRYESSA RD SAN JOSE OPRE-2010 | Ges Plyeins Replacement Program | Weaghtren 1901 | ght Innn | Pipalina Repi Program | San Jose | Smithan | SWILL 3552 PLAT J05 WALL 3552 PLAT J08 | | 8 | 8 | PSG 1796 | 1798' of 6" Plastic Re | Refer to Attackment 17.2 2 | Springs N | No significant change |
| 8 | Construction | 9 2 | 30742231 | MERCED PHASE 3 REDABIUTY | Rollsteity Man Replacement | Steel 1833-1839 8 | 47 F of 2" Sheet 805" of 4" Sheet | Relability General Y | Y Oserotio | Marced | WALL 3635 PLAT H4 WALL 3635 PLAT H5 | | 0.6 | 95 | PSIG 970 | 970° of 4" Plastic Rel | Refer to Attachment 17.2 2 | 2 Servese N | No argreticant change. |
| 8 | Construction | n ves | 30741615 | A80 CHRISTIAN & RALSTON, BELMONT | Relatethy Regulator Stetton Replacement | to epo | 178 | Relatedly General | e emanue | Sen Certos | DR A 80 CHRISTIAN & RALSTON | | 30 | 8 | PSIG 199 | elo | | No sfeet | No significant change. |
| 101 | Construction | ON C | 30738188 | OC1 GPRP REDWOOD CITY | Gas Pipeline Replacement Program | Steel 1924, 1938 | 1990' of 2" Steal | Ppasna Repl Program | Permutia | San Carlos | WALL 3278 FLAT HIS WALL 3278 FLAT G07 WALL 3278 FLAT HIM | | 34 | 98 | PSIG 2020 | 2020' of 4" Phas by Re | Rafer to adaptionast 17.2 (36 | 30 Secures N | No significant change |
| 9 | Construction | 92 | 30712896 | GP TH ST & HERBLEY, SYCHROND | Relability Regulator Blaton Replacement | ole D | 9,6 | Relability General E | East Bay | Retreated | WALL BEGINSATER | | 99 | ē, | PSIG 19/9 | Bio | | Vo effect N | No significant change |
| 103 | Construction | 9 2 | 30676310 | DC1 TOWER ROAD HPR TO DRS | Reliability Regulator Station Explacement | 9/3 | ije. | Relability Caneral P | Penrada | Son Cartes | WALL 3277 PLAT C4 | | 35 | e e | PSIG | | 2 | No offset M | Uprate from MAOP 34 psg to MAOP 60 psg |
| ±0 | Pre-construction | ON Hai | 30033648 | DOLORES MFRP, SF | Relatelly Man Replacement | Steel 1988 Playlic 2003 | 3845° of 2" Placing 333 of 8" Slessi | Relability Caneral 8 | San Francisco | San Francisco | WALL, 0103 FLAT B16 | | 09 | 98 | PSIG 3345 | 3945' of 2" Plants of a | | OS Services N | No significant changs |
| 105 | Pre-construction | on up | 30926397 | R4 GD REBUILD DRAFOS KENAYOOD | New Capacity Regulator Station | n/a | n/a | Capacity | Sonome | lanta Rosa | WALL 2635 FLAT E6 | | 98 | 0.9 | PSIG INS | No. | | No effect N | No significant change. |
| 100 | Pre-construction | ion NO | 30926586 | GD GPRP WEBT AND VARIOUS, PETALUNA | Gas Apelna Replacement Program | Steel 1929-1936 | 357 of 2 Steel 1937 of 2 Steel | Pipatria Repl Program 8 | Soutine | Pelaluma | WALL 2758 PLKT F US | | 99 | = | P8G 1114 | THS of Z Plastic Rs | Refer to Adjactmont 17.2 Za | Z4 Sarvioss N | No significant change. |
| 107 | Pre-construction | ON HO | 30626505 | R) G REBUILD RHEEM DR STATION, MORAGA | Reliability Regulator Station Replacement | n e u | nia | Reliability General D | Dashio | Consuid | DR WAS RHEEM BLYDAGT MARKS RD | | 8 | 65 | PRG INS | aye | | No effect N | No significant change. |
| 95 | Pre-construction | ON HO | 30814786 | R2 MODESTO RELIABILITY PHASE 1 - MODESTO | Reliabitity Nan Replacement | Steel 1958 | 785' of 2" Steel 386' of 4" Steel 2342' of 5" Steel | Ralabula General Y | Yosemila | Modesto | WALL 3039 FLAT A5 WALL 317 FLAT J3 | | 08 | 90 | 1887 2897 2897 2897 2997 | 285 of 2" Plastic 285 of 4" Plastic 2241 of 6" Plastic | Refer to Machiner's 17.2 23 | Za Sarricas N | No significant change |
| 109 | Pre-construction | ON no | 308(3671 | REBUILD VICTORY DR STATION | New Capacity Regulator Station | n em | | Capacity | Dabto | Antiech | WALL 0057 PLICE F.9 | | 8 | 8 | PSG ola | (Via | | No effect | APD Minmon preseure increase from 0 to 14 pag |
| Î. | Pre-construction | on na | 30610993 | _ | Renability Man Replacement | Stat 1926-1951 | 1007 of 7.25 Steal | Ratebility General S | Sonoma | Santa Rosa | WALL 2705 FLAT 13 | | 99 | 9 | PSIG 1551 | 1551 of 2" Plaste Rei | Refer to Abachman 17.2 8: | 8 Services N | No significant change |
| Ξ | Pre-construction | ON up | 30803970 | R7 12 REPLU2S REG STA/URIAH | Reliability Regulation Station Replacement | n/a | | Ralability General 8 | Senoma | Sarria Rosa | WALL 2059 PLAT R | | 88 | 99 | PSIG mis | Iris | _ | a effect N | Ne significant change. |
| ţ. | Pre-construction | ON | 30780025 | | New Capacily Naminatals/ Enforcement | Gest 1002-1073 | 2477' of 2" Steps 28" of 4" Steps | Capacity | Slociton | Strakten | WHIL 2017 FLAT J3 | | 09 | 8 | PSIG 282 | 2925 of 0" Plants Red | Refer to Attachment 17.2 | 15 Samoss III | APD Minmum pressure increase from 9 psig to 42 psig |
| 113 | | | 30787953 | Re NEW REG STATION - POWER INN & CUCAM | Relability Regulater Station Replacement | nia nia | | Relability General 8 | Sacramento | Sacramanin | WALL 2697 PLAT 98 | | 99 | 29 | PSIG INS | | | No effect N | No significant change. |
| 114 | Н | CaV Los | 30284035 | | Relability Regulator Statum Septacement | 95 | n's | | | reano | WALL 3964 PLAT B6 | | 90 | 96 | PSIG nea | nin nin | | П | No algoriteant change. |
| 115 | | | 30787694 | _ | Reliability Regulator Station Replacement | ola n | | | | | WALL 0849 FLAT F6 | _ | 40 | 35 | | | | No sfeet N | No significant change. |
| 118 | Pre-construction | | 30781915 | *P RM REPL DRK ORGISSING, LUCASIVLY RD | Rehabibly Main Replacement | Steel 1982 3 | 300" of 6" Sheal | Relability General h | North Bay S | San Rafael | WALL 2827 PLAT E1 | | 23 | 26 | PBIG 3887 | 398 of 8° Steel Rei | Refer to Absonner 17.2 11 | Service N | No significant change. |
| 111 | Pre-construction | ON | 30785087 | ORB-35, E. GRIDLEY RD, GRIDLEY | Palachty Regulator Station Replacement | 80 | 3,65 | Reliability General h | North Visites | Chies | DR O B39 EAST GRIDLEY & HAVY 99 | | 99 | 99 | PBIG ode | R/O | | No effect N | No significant change |
| 118 | Pre-construction | | 30750559 | 1 | Relability Regulator Station Replacement | u aga | 功能 | Relability Conetal h | · S | Red Bluff | DR 103 RED BLUFF | | 07 | 35 | PSIG INS | 0,0 | | No offect N | Ne significant change |
| 119 | Pre-construction | CN Up | 30878554 | G RN PACIFIC AVE., SANTA ROBA. | Reliability Main Replacement | Steal 1938 | | Relability General S | Senoma | Sama Rosa | WALL 2834 FLAT BICS | _ | 98 | 25 | PSG 838 | 838 of 4" Mastic Re | Rafer to Attachman (17.2 11) | N SECURE I | No significant change |
| 120 | Pre-construction | | 30879352 | G RM SHORT ST, VALLEJO | Pallabiffy Main Replacement | Sheet 1935-1940 4 | 478' of 2" Steel | Relability General h | Varih Bay V | /alejo | WALL 2907 FLAT B07 | | 25 | 23 | PSIG 247 | 247 of 2" Plastic Re | Rafer to Attachment 17.2 11. | 2 Services N | No significant change |
| 5 | Pre-construction | ON NO | 30875477 | R2 INSTALL DRS JUNIPERO BERRA BTANFORD | New Capacity Pagulator Station | es e | o/a | Capacity | Pentraula | San Carlos | WALL 3347 PLKT D8 | | 8 | R | PSIG 3/8 | op Pe | | No effect in | APD Minmum pressure moreas a from 10 psig to 19 psig |
| | Pre-construction | L | 30876398 | R1 SHOREYAY DR BELMONT | Outl HPR Reg Sta Conv Def Reg | n/a | 10128 | Reprogrammed Quel HPR P | Pennsida | San Carlos | WALL 2278 PLAT B5 | | 15 | ÷ | PSIG ING | rija. | | No offerd | No significant change |
| | Design | ON | 30799815 | R4E REBUILD DR MRC.40, OLIVEHR67 | Exclability Regulator Station Replacement | | | Relabilith General 8 | Signa M | Maryantis | WALL 2165 PLAT J5 | | 24 | 10 | PSIG NB | | | No stress N | No significant change. |
| 124 | Design | YES | 30741813 | R7 045 STANE ORD-MELLESLEY FILTER, RTA | Replacetty Regulator Station Replacement | n 2/2 | n) in | Relability Coneral P | Pentrata | San Carlos | DIR PNCAS STAMFORD & WELLESLEY | | 0.0 | 8 | PSIG 19/8 | 0,0 | | No effect | No significant change. |

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

| | : | Manufacti | urers and Brands | |
|--------------------------------|---------|--------------|-----------------------------------|---|
| Manufacturer/Brand | From | То | PE Grade | Notes |
| DuPont Aldyl A | 1965 | 1990 | PE2306/2406 | |
| Nipak | 1972 | 1985 | PE2306/2406 | Went out of business in 1985 |
| Phillips Driscopipe | 1972 | 2000 | PE2306/2406 PE3408 (1/4" only) | Merged with Plexco in 2000 to form Performance Pipe |
| Plexco | 1986 | 2000 | PE2306/2406 | Merged with Driscopipe in 2000 to form Performance Pipe |
| CSR/PolyPipe | 1991 | present | PE2406/2708 | Purchased by CSR in 1995, kept PolyPipe name |
| Uponor | 1992 | 2004 | PE2406 | Purchased by US Poly |
| Performance Pipe Driscoplex | 2000 | present | PE2406/2708 PE4710 (1/4" only) | |
| US Poly UAC 2000 | 2004 | present | PE2406/2708 | Now owned by JM Eagle |
| KWH Wehogas | 2006 | present | PE2406/2708 | |
| Note: dates based on | best av | ailable info | mation and may be a | oproximate. |

PLASTIC PIPE DIMENSIONS

| | | Dimensions a | nd Tolerance: | S | |
|--------------------------|------|---------------------------------|----------------------------------|------------------------------|--------------------------------|
| Nominal Size (inches) | SDR | Outside Diameter (inches) | Outside Diameter Tolerance | Minimum Wall Thickness | Wall Thickness Tolerance |
| ½ CTS | 6 | 0.375 | (inches) ±0.004 | (inches) 0.062 | (inches) +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 | 11.5 | 4.500 | ±0.009 | 0.391 | +0.047 |
| 6 IPS | 13.5 | 6.625 | ±0.011 | 0.491 | +0.059 |
| 6 IPS 1 | 11.5 | 6.625 | ±0.011 | 0.576 | +0.069 |
| 8 IPS | 13.5 | 8.625 | ±0.013 | 0.639 | +0.077 |

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

Prepared by: JZB1



CODE NUMBERS FOR STEEL PIPE

A-15

Asset Type: Gas Transmission and Distribution

Function: Design

Issued by:

G. M. Vollbrecht

Original Signed By

Date:

04-21-08

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

This document also appears in the following manual:

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 |
|---|---|-------------------------------|-------|-----------|---------------------|------------------------|--------------------|------------------------|
| 3/4 | 1.050 | 0.113 | В | SMLS | 011574 | 010067 | | |
| 3/4 | 1.050 | 0.154 | В | SMLS | 011951 | 011036 | ms. | |
| 4 | 4.045 | 0.133 | В | SMLS | 011575 | ex. | 186 | |
| 1 | 1.315 | 0.179 | В | SMLS | 011935 | w | ma. | m. |
| 1-1/4 | 1.660 | 0.140 | В | SMLS | 011576 | 010163 | | |
| 2 | 2.375 | 0.154 | В | SMLS | 011578 | 010147 | in. | |
| 3 | 3.500 | 0.216 | В | SMLS | 011692 | 010178 | - | |
| 4 | 4.500 | 0.188 | X42 | ERW | 010941 | | 010914 | - |
| 4 | 4.500 | 0.237 | В | SMLS | 011693 | ex. | 010364 | 010716 |
| | 0.005 | 0.188 | X52 | ERW | 011004 | ex. | 010944 | - |
| 6 | 6.625 | 0.280 | В | SMLS | 011688 | mx . | 010014 | 010844 |
| | | 0.188 | X52 | ERW | 010717 | ** | 010718 | 010795 |
| 8 | 8.625 | 0.250 | X42 | ERW | 010237 | mx . | 010838 | 010848 |
| | | 0.322 | В | SMLS | 011689 | mx . | 010029 | 010849 |
| 4.0 | 40.750 | 0.250 | X52 | ERW | 010797 | EN. | 010798 | 010803 |
| 10 | 10.750 | 0.365 | В | SMLS | 011804 | mx . | 010034 | 010851 |
| 40 | 40.750 | 0.281 | X52 | ERW | 010806 | en. | 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 | 20,000 | 0.375 | X60 | DSAW | 010864 | esc. | 010866 | 010867 |
| 26 | 26.000 | 0.500 | X60 | DSAW | 010904 | NA. | 010905 | 010908 |
| 20 | 20.000 | 0.375 1 | X60 | DSAW | 010722 | esc. | 010767 | 010868 |
| 30 | 30.000 | 0.500 | X60 | DSAW | 010500 | en. | 010869 | 010871 |
| 34 | 34.000 | 0.505 | X60 | DSAW | 010889 | EM. | 010780 | 010876 |
| 36 | 36.000 | 0.500 | X65 | DSAW | 010909 | | 010910 | 010913 |

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

Revision Notes

Revision 06 has the following changes:

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

PACIFIC GAS AND ELECTRIC COMPANY
ACTION DE CHILITS: TANIMAN 01 2011

| | TEECAP CRACK VIN | | | | c | | c | - | | | T | T | | | T | | | | T | | T | c | | | T | T _c | Ī | u | | | T | T | T | | I | | | T | I | | T | | I | | | | I | | | | | | T | | _ | |
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| | CRACKING | | С | | c | | | 5 | | | T | T | | | 1 | T | | | ŀ | T | T | С | | 1 | T | c | Ī | u | | | T | T | T | | T | | | T | ľ | | T | T | ľ | | T | T | T | | | Ī | | | T | | c c | |
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| | NA DISI | + | - | H | | | с. | + | - | | + | + | Н | + | + | - | | 1 | - | 1 | H | c | | + | + | l c | H | u | | | + | + | + | | H | | + | + | H | | + | + | H | | + | + | H | | + | H | | H | + | H | a a | + |
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| | SUPPORT D COND | | | - 1 | Good | | _ | + | | Good | Tours. | 36 | | 4 | + | - | | 4 | + | + | - | | | - | 00000 | | ļ | | | _ | + | _ | | | Good | | - | - | - | Good | + | + | ŀ | | Good | 1 | - | | 1 | Good | | | + | | _ | - |
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| | COATING DAMAGED YAN | | | ١ | = | | | > | c | > | = = | = = | > | с | | | | с | | | | | | c | > 5 | | >- | | ш | | 2 | : = | | c | : >- | u | | = = | | × | = > | | ш | | > | c | | >- | c | : > | | >- | > | . > | | |
| | EXTERNAL | None | 2000 | Mono | Malic | None | 0000 | auon | None | None | None | None | None | None | T | None | | None | eugn | None | | | | None | None | None | None | | None | | Mono | Nane | T | None | None | | None | None | Ī | None | None | None | None | None | None | None | None | None | Mone | None | | None | None | None | T | |
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| 11 | COATING | Good | | 2000 | + | Good | 4 | Lagi | Good | Н | # Excellent | + | Н | Good | + | L | | \sqcup | Lall Lall | Good | - | | Ц | 4 | Dond Sond | 123 | + | - | Excellent | _ | Cond | Good | | | N Good | Ш | Bood a | \perp | L | # Good | | il Excellent | | 1-1 | | Good | 1 | 100 | 123 | Good | | Good | | | \perp | |
| January 01, 2011 - June 30, 2011 | COATING TYPE | Single oran | - 1 | alian Amba | monded Aspiran | | Soul A number | rtot Applied Asphall | Somastic | Other | Hot Applied Asphall | olied A spha | Double wrap | Somastic | | | | Hot Applied Asphalf | Mot Applied Asphalt | Double wrap | | | | Single wrap | olled A spina | ible wrap | Hot Applied Asphall | | Ofher | | Olbar | Olher | | Hof Applied Asphall | Applied Asphall | | Hot Applied Asphalf | olled Aspha | | Hot Applied Asphall | Hot Applied Asphall | olied Aspha | де мтар | Other | olled Aspha | Double wrap | ible wrap | Somastic | olo seran | Double wrap | | Somastic Double viran | ible map | olled Aspha | | |
| 011 - Jur | | S. | 5 | Clod Ano | dv lot | | Clair Age | HOI AP | Š | | Hot App | Hot App | Dog | ŏ | 1 | ļ | | Hot App | Hot App | Doc | | | | Sin | Hot Ap | Doc | Hot App | | | | | | L | Hof Apr | Hot App | | Hot App | Hot Apr | | Hot App | Hot App | Hot App | Sin | | Hot App | 000 | Doc | Š | 188 | Dou | | Š ē | Hot App | Hol Ap | _ | |
| lary 01, 2 | LINE SIZE | 12.0 | 0.50 | 00 0 | 2.00 | 2.00 | 3.00 | 0.50 | 3.00 | 0.75 | 0.75 | 2.00 | 0.75 | 2.00 | ne'n | 1.00 | 0.75 | 4.00 | 3.00 | 0.75 | | 1.00 | | 3.00 | 2 8 | 1.00 | 4.00 | 4.00 | 2.00 | 1.00 | 00.6 | 2.00 | 2.00 | 4.00 | 0.50 | | 3.00 | 3.00 | | 0.50 | 0.00 | 0.75 | 3.00 | 2.00 | 2.00 | 2.00 | 0.75 | 0.75 | 0000 | 2.00 | 2.00 | 1,00 | 2.00 | 2.00 | 2.00 | 77.70 |
| | RUAL. | | 2406 (Orange) | - | 2406 (Orange) | 6 | 2406 (Orange) | 2406 (Orange) | el | 9 | el o Azottona | el renow) | le le | le le | R (Yellow) | (Yellow) | e | le l | Sieel | el enge) | 9 | 2406 (Orange) | | el. | Sieel Novellows | Jet. | 9 | 2406 (Orange) | el | 2406 (Orange) | | | 8 | - | ner. | i8 (Yellow) | [6] | 8 8 | el |)er | 9 | d fron | el | e | le l | - G | e 5 | el | l o | e e | el | - G | 5 5 | | 8 (Yellow) | (compar) |
| RESUL. | MATERIAL | Sipp | PE 2406 (| 90 | PE 2406 (O) | Sleel | PE 2406 (| DE 2406 (O) | Steel | Sleel | Sleel Sleel | 740 | Sleel | Sle | PE 2406/2708 | 2406 | Ste | Steel | 210 | | Sleel | PE 2406 (| | Sleel | PE 2406/2708 | | Steel | PE 2406 (| | PE 2406 (| O. | Sleel | Sleel | Slee | Cop | E 2406/270 | Ste | 0 0 | Sle | Copper | 3 8 | Wrough | Ste | Sle | Sle | 8 8 | Sie | Ste | 7 | 38 | Sle | Steel | Sle | Steel | E 2406/270 | . 21000 |
| GAS INSPECTION RESULTS: | FEET | 3 00 | 2.00 | 200 | 1.00 | 96.00 | 2.00 | 4.00 | 4.00 | 8.00 | 001 | + | 3.00 | 4.00 | + | f | | 4.00 | 7 00 2 | 5,00 | 3.00 | 3.00 | | 7 00 | 00.5 | T | 8.00 | 4.00 | 00'9 | 2.00 | 900 | 4 00 | 3.00 | 5 00 | 4.00 | ĥ | 2.00 | 5.00 | 4.00 | 4.00 | 5.00 | 5,00 | 7.00 | 1.00 | 1.00 | 3.00 | 2.00 | 4.00 | 2 00 | 3.00 | 5.00 | 00'9 | 3.00 | 00.9 | 8.00 | 0.00 |
| SAS INSF | CATHODIC PROT YN EX | | | _ | l c | Н | | t | > | ^ | + | t | >- | + | + | t | | + | + | - | t | | | + | + | l | t | | >. | - | \dagger | , | + | | > | | > | > > | ł | У. | 24. 2 | | H | > | 7 | > 2 | - | | + | t | >- | | - | \prod | + | 1 |
| | | _ | + | 4 | 2 | Н | | | 7 | 2 | + | 65 | - | g, , | + | + | | + | 4 | | EN . | | | - | 5 | H | F | | - 2 | 000 | + | 6 | + | | + | - | 9 0 | 0 % | + | | + | + | H | | - | 00 100 | 4 | | + | 00 | 00 | - | 0 - | H | + | - |
| | YEAR E MSTALL | 10 | + | (g) 1972 | (g) 1992 | Н | + | (0) | \perp | ig) 1964 | (6) | + | ig) 1961 | 4 | (Bis) | (6) | (B) | (6) | (9) | + | + | (B) | (6) | + | (g) | (D) | (J.) | Н | Н | lg) 1998 | + | (e) 1979 | + | | (b) | Н | (g) 1966 | (g) | | (G) | sig) 196) | 9 9 | (6) | Н | Ц | (g) 1958 (n) 1985 | \perp | (6) | (B) | 1958 | H | H | ig) 1951 sig) 1951 | Ш | (B) | - 6 |
| | SYSTEM | HP (czelinejn | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<==60psig) | HP (<=60psig) | HP (<=60psig) | HP (<≃60psig) | HP (<=60psig | HP (<=60psig | HP (<=60psig | HP (<=60psig | HP (<=60nsign | HP (<=60psig | HP (<=60psig | HP (<=60psig | pisdna=>) HH | HP (<=60psig) | | HP (<=60psig) | HP (<=60psig | HP (<=60psig | HP (<=60psig) | HP (<=60psig | LP (<=10.5°wc) | LP (<=10,5"wc) | HP (<=60psig) | MP (<=60psig) | | HP (<=60nsid) | HP (<=60psig) | | HP (<=60psig) | HP (<=60ps | HP (<=60ps | appoint (C=60ns | -IP (<=60ps | HP (<≃60ps | SHIP (<=20ps | HP (<=80ps | HP (<=80ps | HP (<=60ps | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | sd09=>) dH | HP (<==60ps HP (<==60ps | | HP (<=60psig) | MP (ex60nein | HP (<=25p | HP (<=60psig) | HP (<=60psig) | M (Table |
| | BLDCK | ľ | 14 | H | + | Н | \forall | 3 7 | T | Н | † | + | Н | | 0 0 | + | Н | + | 24 | + | 0 | 3 | H | 7 | | t | t | Н | Н | \top | £ 4 | 十 | 十 | c | t | Н | 2 : | T | T | - | + | 582 | t | 78 | \top | - | - | Ħ | 7 7 | † | Н | H | Т | П | 9- | - |
| | PLAT | | 801 | G02 | D04 | | 007 | 201 | 700 | 801 | I | B08 | 808 | 101 | ENK | | | | 100 | 909 | ٠. | | | | 70 | Ī | I | | D03 | A05 | Ī | A04 | | | Ī | | | 700 | E02 | | E03 | Ī | I | | | Ses | 603 | | | E02 | D01 | 602 | H04 | | | |
| | MALL | | 4931 | 784 | 1944 | | 9007 | 4820 | 848 | 2774 | | 5027 | ш | | 0017 | | | | 6437 | | 3476 | | | | 4861 | | | | احما | 5027 | | 46 | L | | | | | -h | 4760 | | 2130 | | | | - | 1151 | | | | 4760 | 3004 | 4760 | _ | - | 3801 | |
| | REPORT | 11/2/1 | 1/3/11 | 1/4/11 | 1/9/11 | 1/6/11 | 177/11 | 1/8/11 | 1/8/11 | 1/10/11 | 1/10/11 | 1/10/11 | 1/10/11 | 1/10/11 | 10101 | 01011 | 5715/11 | 1/1/1/1 | VIVI | 11111 | 1/12/11 | 1/12/11 | 1/12/11 | 1/12/11 | 1/12/11 | 1/13/11 | 1/13/11 | 1/13/11 | 1/14/11 | 1/14/11 | 1/14/11 | 1/14/11 | 1/15/11 | 1/18/11 | 1/18/11 | 1/18/11 | 1/18/11 | 1/18/11 | 1/18/11 | 1/18/11 | 1/19/11 | 1/19/11 | 1/19/11 | 1/19/11 | 1/19/11 | 1/19/11 | 1/19/11 | 1/20/11 | 1/20/11 | 1/20/11 | 1/21/11 | 1/21/11 | 1/21/11 | 1/22/11 | 1/22/11 | 110001 |
| | ADDRESS | Averal | Barstow | Arcala | Willis | Fresno | Defendedald | Fresno | Eureka | Napa | Fresno | 210211 | Bakersfield | Arcala | Fresho | Fresno | Fresno | Fresno | Presno | Redding | San Jose | Fresno | Sanger | Fresno | Fresno | Fresno | Bakersfield | Bakersfield | Hopland | Bakersfield | Lafayette | Lafavelle | Avenal | San Jose | Fresno | Fresno | Atolia | Bakersfield | Ridgecrest | Fresno | Uklah | Fresno | Fresno | Sanger | Bakersfield | Anderson | Anderson | Fresno | Fresho | Ridgecrest | Stockton | Fresno | Taff | Kerman | Freeno | 21221 |
| | ADDRESS STREET | 1 | Cak Tree | Spear | Valley | E Inyo | Valley View | N Van Ness | Spring | Imola | N Carruth | Baker | Baker | 11th | F Mana | E Mano | E Lansing | Cornella | Charlen | Old Oregon | Blassom Hill | N 1st | E Jensen | N 11Th | Columbits | N Minnewawa | King | King | Center | Chester | Diable | Diablo | Whitney | errvessa | E Lyell | E Illinois | ck Owens | ck Owens | NORMA | E Lyell | Talmage | 10000 | E Mckenzie | Oalman | anadian | Norma | Rupert | : Dayton | SVIIIa | Norma | Virginia | E White | Eastern | WB | | |
| | | una una | + | ala | ah | | | + | + | | + | + | u. | - | + | - | | + | + | + | + | H | | + | + | H | H | m | _ | | DIO Pro | plo | + | - | + | H | + | + | + | Н | + | + | H | | \perp | + | + | H | + | + | H | | + | \prod | sno | O. Maria |
| | N DISTRICT | | Kem | H | ast Uklah | Н | - | Fresno | \vdash | | + | Kem | Ц | 4 | 1 | + | | + | Kerm | + | + | - |) Fresno | + | + | + | + | H | | + | Diablo | + | + | ļ | 4 | Н | 4 | 4 | 4 |) Fresno | 4 | 4 | 1 | Н | Ц | llev Redding | 1 | Ц | + | + | H | - | + | Fresno | + | 1 |
| | MOUSION | Freen | Kem | North Coast | North Coast | Fresno | Fresno | Fresho | North Coast | North Bay | Fresho | Kem | Kern | North Coast | Fresho | Fresno | Fresno | Fresnd | Fresho | North Valley | San Jose | Fresno | Fresno | Fresho | Fresno | Fresno | Kem | Kem | North Coast | Kem | Diable | Diablo | Fresno | San los | Fresno | Fresno | Kern | Kem | Kem | Fresno | North Co. | Fresho | Fresno | Fresno | Kern | Kem North Vall | Morth Vall | Fresno | Fresho | Kem | Stocktor | Fresho | Kem | Fresno | Fresho | - |

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY

| | TEECAP CRACK VAN | - | | | | | С | | | | | | | | | | | | | | | | | | | | | | | c | c | | | | | | | | | | ۵ | | | - | c | c | ۲ | - | | c | | | | = | = | | | , | Ε . | |
|----------------------------------|----------------------------|------------------|---------------------|--------------|--------------------------------|------------------|------------------|------------------------------------|---------------|---------------|---------------------|---------------|---------------|---------------------|-------|---------------|----------------------|---------------|---------------|---------------------|---------------|----------------|---------------------|----------------|---------------------|---------------|-----------------------|---------------|---------------|------------------|-----------------------|---------------------|---------------|-----------------------|---------------|----------------|----------------|----------------------|---------------|---------------------|-----------------------|---------------|-----------------------|---------------------|-----------------------|------------------|---------------|----------------------|---------------------|------------------|---------------|------------|---------------------|------------------|--------------------|---------------------|----------------|---------------|------------------------------------|--|
| | CRACKING | l | | | c | | c | | | | Ī | | | | | | | | | | | | | T. | - | | Ī | c | | c | c | | | T | | T | | | | | = | Ī | E | | | c | = | = | | 6 | Ī | | | = | = | | | | c | |
| | DISCOLOR | 5 | T | | - | | | | T | | 1 | T | T | | | | T | T | T | | | | | 1 | 1 | T | T | c | | | | | | 1 | 1 | T | T | T | T | | _ | † | E | | c | c | = | c | | c | T | | | = | = | T | | | c | |
| | GOUGING DI | 1 | t | | - | | С | + | H | | + | t | t | - | | + | t | t | t | | | | + | 1 | + | \dagger | t | c | | _ | c | | | + | + | \dagger | + | + | r | | + | + | E | | c | c | = | = | + | c | + | - | П | = = | + | + | | + | _ | |
| | SUPPORT G | T | + | | + | Н | | cood | r | | Cood | 2000 | T | Good | | G000 | ł | + | t | | | Good | Good | \dagger | \dagger | \dagger | t | H | | | | | | + | + | \dagger | T | t | r | | + | + | t | | | | 1 | | Cood | | t | h | П | 1 | † | \dagger | | | | |
| | COATING REPAIRED VAI | | - | | + | Н | + | \dagger | H | | + | \dagger | t | - | | + | 7 | + | ŀ | | | >- | 1 | + | \dagger | - | - | H | - | | | - | | _ | \dagger | \dagger | t | - | H | >- | 1 | + | t | _ | | | + | + | + | t | t | H | H | + | \dagger | \dagger | >. | c | + | |
| | COATING CO. DAMAGED REP | + | l a | c | - | Н | + | - | | | | | H | | | + | - | + | 6 | u | _ | | = | + | + | - | | H | | | u | | | = | + | + | - | | + | , | + | = | + | , | | | + | | - | + | - | H | | + | + | + | - | | + | |
| | | | ŀ | H | + | H | - | + | + | H | + | + | + | 0) | | 0) | - | + | + | | _ | + | + | + | + | + | + | H | | | | 0 | | + | | | + | + | \vdash | 6 | + | + | + | | | | + | - | + | + | | H | 6) | + | - | 1000 | \sqcup | | 0 0 | |
| | EXTERNAL ID GOUGING | | None | Н | None | | - | None | | - | None | + | + | None | Н | None | - | None | | None | H | + | None | JIGN | + | Nana | | Ļ | None | | None | Non | None | None | + | + | | None | - | None | - | None | - | | | | - | | None | | a None | \sqcup | None | + | Nap | None | Н | H | None | |
| | CIRCUM WELD COND | | | Acceptable | | | | | | | | Acceptable | | | | Acceptable | | | | | | Acceptable | | | | | | | | | | | | | Acceptable | McCeptedia | | | | | | | | | | | | | | | Acceptable | | | | | | | Acceptable | | |
| Wild Company | CONTING | | Fair | Fair | Good | | 7 | Excellent | Good | : | Excellen | in Line | | Fair | | G000 | Good | Fair | Good | Good | Good | Good | Good | CXColletti | | Fair | Good | | Good | | Good | Excellent | Excellent | Good | Fall Foir | Cond | ADDOC. | Good | | | | Cond | | Fair | | | | | Cond | 2000 | Fair | Good | Fair | | Foir | Good | | Fair | Sood | |
| January 01, 2011 - June 30, 2011 | COATING TYPE | | Hot Applied Asphall | Single wrap | Other | | 4 | Hot Applied Asphalf Single wrap | | | Hot Applied Asphall | Single wrap | Bare/None | Hot Applied Asphalt | | Double wrap | Hol Applied a cohell | Single wrap | | Hot Applied Asphalf | Tape | Single wrap | Hot Applied Asphall | SOURASUC | | Single stran | | | Extru Coat | | | Hot Applied Asphalf | Extru Coal | | Single wrap | olligie virap | Somaelic | Hof Applied A sphall | | Hot Applied Asphalf | | Single wrap | | Hot Applied Asphall | | | | 3 | Hot Applied Asphall | and a substance | Single wrap | Somastic | Hot Applied Asphalf | | I Applied a cohell | Hot Applied Asphall | Somastic | Single wrap | Hot Applied Asphart Single wrap | |
| 11, 2011 | LINE SIZE | 90 | 0.75 Ho | 2.00 | 4.00 | 2.00 | 7 | 2 00 140 | 1.00 | H | 0.50 | $^{+}$ | 8.00 | H | 2.00 | 2.00 | 4 00 E-fo | t | 1.00 | H | 2.00 | + | 4.00 He | 00.50 | 00.00 | 2.00 | 1.00 | 2.00 | 2.00 | 2.00 | Н | H | 2.00 | 90 | 2.00 | 3.00 | 4.00 | + | t | 2.00 Ha | 00. | 4.00 | t | t | 2.00 | 0.50 | 2.00 | 7 | 7.00 Hg | t | 2.00 | Н | 4.00 Ho | 4.00 | + | + | 2.00 | H | 3.00 Ho | |
| January (| B | love) 4 | | - 5 | 4 | Н | + | 4 6 | | | | | 000 | | 2 | + | | | | 2 | 2 | 4 | 4 0 | ¥ 6 | + | + | + | L | 2 | H | | 2 | 4 | + | 1 | Ť | | | | H | + | + | + | 1 | H | + | + | + | 7 | + | + | | H | (Yellow) 4 | + | - | - 5 | 2 7 | - 60 | |
| GAS INSPECTION RESULTS: | MATERIAL | PF 2406/2708 (Ye | Sleel | Steel | Slee | PE 2406 (Orange) | PE 2406 (Orange) | Steel | Steel | Steel | 7,000 N | 2) conse | Sleel | Sleel | Sleel | Sleel | Special | Slee | Steel | Steel | Steel | Slee | Sleel | DE 2406 (Orang | Other Dionis/olds o | Slapl | PE 2406/2708 (Yellow) | Aldyl A | Steel | PE 2406 (Orange) | PE 2406/2708 (Yellow) | Steel | Slee | PE 2406/2708 (Yellow) | Sieel | Olego Olego | looks. | Steel | Copper | Steel | PE 2406/2708 (Yellow) | Cheel Cheel | PE 2406/2708 (Yellow) | Steel | PE 2406/2708 (Yellaw) | PE 2406 (Orange) | | PE 2406/2708 (Yellow | Siee | PE 2406 (Oranne) | | Steel | | PE 2406/2708 (Ye | 24U6/Z/UB | Sleel | Steel | Sieel | Steel | |
| SPECIIO | FEET | 10 00 | 1.00 | 5.00 | 2.00 | 2.00 | 2.00 | 2 00 5 | | 3.00 | 3.00 | 6.00 | 2.00 | 4.00 | 1.00 | 7.00 | 8 00 | 00 9 | ľ | 4.00 | 4.00 | 20.00 | 4.00 | 2.00 | 00.0 | 5.00 | T | 4.00 | 1.00 | 2.00 | | 1.00 | 3.00 | 00 4 | 00.0 | 0.000 | 8.00 | 3 00 | 4.00 | 00.9 | | 00.00 | 3.00 | 5.00 | 2.00 | 9.00 | 3.00 | 000 | 00.2 | 3.00 | 2.00 | 5.00 | 3.00 | 2.00 | 4.00 | 2.00 | 00.9 | 5.00 | 2000 | |
| Č PO | CATHODIC PROT YN | | T | | | | 1 | T | Ī | | 1 | ×. | Ī | | c | > | Ī | T | ľ | | | >- | | > | - | T | T | c | | | | | | 1 | | T | Ī | T | ľ | >- | 1 | 1 | T | > | | | | | | c | T | | | 1 | 1 | * * | > | | | |
| | YEAR C | | t | | + | 1983 | 1983 | \dagger | t | H | + | \dagger | t | - | 2002 | GGS | | t | l | | | 1956 | 1 | 40.20 | 0/01 | \dagger | \dagger | 1973 | | | | | | + | + | \dagger | + | t | t | 1966 | 1 | + | t | | | | + | | | | t | H | | 1 | 105.4 | 1964 | 1968 | | \parallel | |
| | SYSTEM PRESSURE 1 | HP (<=600sia) | | | HP (<=60psig) HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=600sia) | HP (<=60pslg) | HP (<=60psig) | MP (<=eupsig) | HP (<=60ps(a) | HP (<=60psig) | HP (<=60psig) | | HP (<=60psig) | HP (seeling) | HP (<=60nsia) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | SHP (<=25psig) | HP (<=60psig) | -oupsig) | un (~-unpaig) | HP (ca60nsto) | HP (<==60psiq) | HP (<=60ps(q) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60ps(g) | HB (c=60pole) | HP (szefűnein) | (Reading) | T | SHP (<=25psig) | MP (<=60psig) | MP (<=60psig) | HP (<=80psiq) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | -Bapsig) | (Bisdogers) AH | Single | HP (<=60psig) | =60psig) | MP (<=60psig) | HP (<=60psig) | HP (<=eupsig) | HP (<=60psig) | SHP (<=25psig) | HP (<=60psig) | HP (<=60psig) HP (<=60psig) | |
| | | NP (A | + | Н | + | H | + | + | (A) | H | + | + | 十 | + | H | + | + | + | + | - | >) dH | 7 | + | HP (See 60ps) | + | + | 유 | t | + | Н | | Н | | + | V 4 | $^{+}$ | + | + | t | | + | + | t | t | Н | >) 세 | 7 | 7 | T | T | T | MP (<=60ps | H | \uparrow | + | + | Н | H | | |
| | PLAT BLOCK | - | H03 17 | 17 | SS 00 | Ц | F08 | 200 | | 9 | 32 89 | 2 00 | 18 | 32 | Н | 307 | 2 5 | - | 117 | 99 | Ц | C06 4 | 49 | 000 | - 0 | 16 | 4 | D06 53 | L | 8 | 10 | 2 | 15 | - | + | - 2 | 9 | A01 71 | \perp | E07 11 | 17 | - 3 | 16 | 14 | 7.4 | 8 | 7 | | S 00 | G08 15 | + | 4 | | 8 8 | 50 | + | C08 27 | - | 5 4 | |
| tomata to taken | WALL PI | - | 3870 H | | + | 4-4 | 4759 F | + | + | | + | + | 3868 | H | H | 45/3 | t | t | H | | | 2129 C | + | 1044 | | + | + | 1943 D | A | | - | - | - | + | + | + | + | 5028 A | - | 2129 E | + | \dagger | + | H | 3869 | | + | + | + | 4759 G | +- | H | \forall | + | 4020 | - | + | \dagger | + | |
| | REPORT N | 11/2/2/1 | E | 1/24/11 | 1/24/11 | +- | + | 1/25/11 | 1/52/11 | 1/25/11 | 17/25/11 | 1/26/11 | ┿ | 1/26/11 | 4 | 1/26/11 4 | 1/02/44 | 1107/11 | 1/27/11 | 1/22//11 | <u></u> | 4 | 1/28/11 | + | _ | 1/31/41 | 1/31/11 | ╁ | + | 2/1/11 | 2/1/11 | 2/1/11 | 2/1/11 | 2/2/11 | 11/2/2 | 0/0/44 | 9/9/44 | + | + | Н | 2/3/11 | 2/3/11 | 2/3/11 | 2/3/11 | Н | 2/4/11 | 2/4/11 | 277/11 | 277/11 | + | + | 2/8/11 | 2/8/11 | 2/8/11 | + | +- | Н | 2/9/11 | 2/9/11 | |
| | ADDRESS RI | Fresho | t | Н | Fresho | Н | 150 | Fresho | \dagger | H | Kerman 1 | \dagger | t | T | П | Lrona | Fraeno | t | Fresno 1 | | | 7 | Fresno 1 | † | 1 | + | | t | t | | | Н | | + | Fresho | t | t | t | 00S | | + | Fresho | t | - | Н | + | + | Fresho | + | \dagger | Fresno | H | H | Clovis | 1 | + | Н | H | Fresno | |
| | ADDRESS STREET | Barslow | | S. Inverness | N Peach F Grant | Н | Mariposa | S Cherry | E Park Circle | S Cherry | S 6(II) | A Alidiano | S Teilman | W Andrews | 4 Th | ш | S Minnouseus | | Elane | Monterey | E Terrace | Sl. Francis | z | Acada | Ţ | T | E Buller | W Commercial | Monterey | E Merced | E Buller | E Brown | Madera | N Peach | E Balch | E Dalviii | Tidare | Monderey | T | Mendocino | N Peach | E Baich | N Blackstone | t | E Vyhite | NHayes | W California | N Peach | parton | | E Balch | E Tulare | S Cherry | Harlan Ranch | Hattan Kanen | Superior | N State | E Balch | S Backer E Lowe | |
| | DISTRICT | Fresho | Fresno | Fresno | Fresho | Kern | Kem | Fresho | Fresno | Fresno | Fresho | Fresho | Fresno | Fresno | Kern | Fresho | Freeno | Fresno | Fresno | Fresno | Fresho | Ukiah | Fresho | Presito | Coons | Freenn | Fresho | Uklah | Fresno | Fresno | Fresna | Fresno | Fresno | Fresho | Fresho | Fraenn | Fresho | Kern | San Francisco | Uklah | Fresno | Fresho | Fresno | Kern | Fresno | Fresno | Fresno | Fresno | Fresho | Kern | Fresno | Fresho | Fresho | Fresho | resno | Redding | Ukiah | Fresno | Fresno | |
| | DIVISION | Presno | Fresno | Fresno | Fresho | Kem | Kem | Fresho | Fresno | Fresno | Fresho | Fresno | Fresno | Fresno | Kern | Freshn | Freeno | Fresno | Fresno | Fresno | Fresno | North Coast | Fresho | Figsto Page | Erocao | Freeno | Fresno | North Coast | Fresno | Fresno | Fresno | Fresno | Fresno | Fresho | Fresho | Freeno | Fresho | Kern | San Francisco | North Coast | Fresho | Fresho | Fresho | Kern | Fresno | Fresno | Fresho | Fresho | Fresho | Kern | Fresno | Fresno | Fresno | Fresho | Fresho | North Valley | North Coast | Fresno | Fresno | |

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
PREPRIORAL DESILITE: Papulary M1 2011 - lighe 30, 2011

| - Anna | TEECAP | | = = | | c c | | С | | - C | | 1 | | | | c | | = | T | c | | | T | E | | | | T _c | | | | | E | | | I | c | | c . | c | c | c | c | | T | c | П | <u>-</u> | T | | | T | | c | |
|----------------------------------|---------------------------|------|--|---------------------|------------------------------|---------------------|---------------|-----------------|---------------------|---------------------|-----------------------|-------------|---------------|-----------------------|---------------------|---------------|---------------|---------------|----------------|-------------|---|---------------|-----------------|---------------|---------------|---------------------|-----------------------|---------------------|---------------|---------------|---------------|-----------------------|---------------|----------------|----------------|-----------------------|---------------|---------------|--------------|----------------|-----------------------|---------------|---------------|---------------|--------------|---------------|------------------------|----------------|---------------|---------------|---------------------|---------------|------------|---------------|
| | CRACKING | | c c | Ī | c c | | c | - | - c | | - | Ī | П | | c | П | c | T | c | П | | 1 | = | T | П | | c | T | | 1 | = | c | П | | - | c | | - | c | c | c | æ | 1 | 1 | c | | = | T | П | 1 | T | Ħ | c | T |
| | DISCOLOR C | | = = | H | | | c | - | - | + | - | T | | | c | | c | t | c | | + | + | = | t | | 1 | - | t | | - | = | = | | | = | _ | + | - | c | c | | = | 1 | + | | | = | t | | + | + | H | c | |
| | GOUGING DIS | | c c | - | = = | - | c | - | - - - | + | - | - | - | = = | c | | | + | c | | + | + | = | H | | + | - | H | | - | + | E | | - | + | c | + | + | c | a | E | E | + | + | c | H | = | + | H | + | + | H | = | + |
| | SUPPORT GO | 1 | + | Good | + | - | - | Good | | + | + | H | H | Good | H | - | + | t | Good | Good | + | + | t | + | | Good | t | H | | 700 | 0000 | + | | + | t | Good | + | Good | H | Good | + | | + | + | Good | | + | + | H | + | + | Н | + | + |
| | COATING SUI | | + | | | H | \parallel | | | ^ | + | >- | | + | | | | A. > | 0 | 9 | e : | + | + | H | Н | | ł | | | | + | + | | + | + | 0 | + | | | 9 | + | | + | + | | | ļ, | + | H | _ | + | Н | ^ | + |
| | TING CO. | | + | u | + | u | | c c | | > 4 | - | - | H | - | c | u. | - | > > | - | H | = : | | - | - | | = | - | L L | | | | + | c | | : c | u | e e | | \parallel | c : | = = | | + | 0 0 | | H | | + | H | + | + | | | |
| | MAL COATING NG DAMAGED | | + | - | | \mathbb{H} | H | + | \vdash | + | + | 5 | aı | + | H | H | - | + | - | | + | + | + | 0. | Н | + | + | H | 60 | + | + | + | | + | + | | + | + | \vdash | + | + | 8) | + | + | + | H | + | | a. | | n a | L a | 0 0 | b 0 |
| | EXTERNAL ND GOUGING | | + | None | _ | None | | None | None | None | Notice | None | None | + | None | None | 04014 | + | + | None | None | None | None | None | None | None | None | None | Н | e Light | Mone | + | None | None | + | Н | e None | Nome | H | None | + | None | None | Nome | | | None | Non | None | Non | None | Non | None | None |
| | CIRCUM WELD COND | | | | | | | | | | | | | | | | | Acceptable | | | | | | | | | | | | Acceptable | åccantahla | weeplan | | | Acceptable | | Acceptable | | | 4 | orcepian. | | | | | | | | | | | | | Acceptabl |
| | COATING | | | Good | | Good | ÷ | Good | Fair | Poor | 2000 | Good | Fair | Good | Fair | Fair | - Const | Fair | Good | Excellent | Good | 0000 | Good | Fair | | | Good | Fair | Fair | Fair | Good | ē | Good | 0000 | Fair | Good | Fair | Excellent | | Good | Good | Good | Excellent | Sood | Good | | Good | | انفا | - 1 | | | Good | Fair |
| January 01, 2011 - June 30, 2011 | COATINGTYPE | | | Hot Applied Asphall | | Hot Applied Asphall | | omge wrap | Hot Applied Asphalf | Hot Applied Asphalt | rrot Applieo Aspriali | Single wrap | ther | | Hot Applied Asphalf | Single wrap | Davids | Somastic | | Extru Coat | Single wrap | Extru coal | desir | Single wrap | Double wrap | Hot Applied Asphall | de serab | Hot Applied Asphalf | | Somastic | Compelie | ndoni | Single wrap | MOJET O | Single wrap | | Single wrap | Extru Coat | | | de ivi algino | Single wrap | | Single wrap | down | | Single wrap | de property of | ied Asphall | ed Asphall | Hot Applied Asphalt | ed Asphall | Somastic | Single wrap |
| 011 - June | | | | Hot Appli | | Hot Appli | | Bulc | Hot Appli | Hot Appli | ndd y bbii | Singl | ō | | Hot Appli | Singl | Cook | Son | L | Extri | Singl | Doub | | Singl | Doub | Hot Appli | and | Hot Appli | | Son | Con | lac | Singl | Oing | Sing | | Singl | Extri | | 3 | 5 | Singl | | Singl | Rine | | Singl | | Hot Appli | Hot Appli | Hot Appli | Hot Appli | Son | Singl |
| lary 01, 20 | LINE SIZE | | 2.00 | | 0.50 | 2.00 | 2.00 | 1 00 | 1.00 | 4.00 | 1.00 | 8.00 | 2.00 | 1.00 | 1.00 | 2.00 | 0.50 | 8,00 | 1.00 | 2:00 | 0.75 | 2.00 | 1.00 | 3.00 | 2.00 | 0.75 | 1.00 | L | 3.00 | 3.00 | 00.7 | 4.00 | 2.00 | 00 + | 2.00 | 1.00 | 3.00 | 2.00 | 2.00 | 1.00 | 1.00 | 3.00 | 2.00 | 4.00 | 1.00 | | 0.75 | 4.00 | 3.00 | 2:00 | 0.50 | 2.00 | 3.00 | 3.00 |
| | MATERIAL | | PE 2406/2708 (Yellow) PE 2406/2708 (Yellow) | Steel | Aldyl A Aldyl A | Sleel | 2406 (Orange) | 108 (Yellow) | | Steel | 2406 (Orange) | Steel | Sleel | PE 2406/2708 (Yellow) | Steel | Steel | 2406 (Orange) | Steel | (2708 (Yellow) | Steel | Steel | Steal | '08 (Yellaw) | Steel | Steel | Steel | PE 2406/2708 (Yellow) | Steel | Steel | Sleel | Stad (Yellow) | PE 2406/2708 (Yellaw) | Steel | Steel | Steel | PE 2406/2708 (Yellow) | Steel | Steel | 708 (Yellow) | /2708 (Yellow) | PE 2406/2708 (Yellow) | Steel | Sleel | Steel | '08 (Yellaw) | | At: 2406/2708 (Yellaw) | eel | Steel | Steel | Copper | Sleel | los | Steel |
| GAS INSPECTION RESULTS: | MATI | | PE 2406/27 | S | Ald | S | PE 2406 | DE 2406/2708 (A | S | 75 2 | PE 2406 | TO | ত | PE 2406/27 | 55 | S | PE 2406 | 5 35 | PE 2406/27 | S | 75 G | 70 (7) | PE 2406/2708 (Y | S | S | 70 | PE 2406/27 | 55 | 70 | SI SAGGRA | ME 2400/2/ | PE 2406/27 | S | 50 0 | 2 (2) | PE 2406/27 | S | PE 2400/2/ | | PE 2406/27 | PE 2406/27 | Ø | S | 55 V | PE 2406/2708 | | Ptc 2406/27 | S | 100 | 30 Z | Cop | S | ō | 5 05 |
| SPECTIC | FEET | | 4.00 | 2.00 | 00.1 | 5.00 | 2.00 | nn'e | | 4.00 | 0009 | 5.00 | 3.00 | | | 90'9 | 00.1 | 2003 | | 3,00 | 3.00 | 3.00 | | 5.00 | 4.00 | 4.00 | 4.00 | 5.00 | 4.00 | | 2,00 | 00.0 | 15.00 | 00.6 | 200 | | 5.00 | 3,00 | 4.00 | 90 | 0.00 | | 4.00 | 4.00 | 200 | | 2007 | 7.00 | 5.00 | 4.00 | 12.00 | 3.00 | 4.00 | 9.00 |
| GASIN | CATHODIC PROT YN | | c | ٨ | c c | ^ | | | | u | Ī | | > | | | | c : | >. | | c | | | T | | | > | | Ī | | | | | 7 | | | | | c | | | | | | | | | | Ī | | | | с | | |
| | WEAR C | | 2011 | 1984 | 1975 | 1966 | H | † | | T | T | T | 1942 | T | | | 1984 | 1100 | T | | 4007 | 1987 | t | t | | 1956 | t | t | | | T | T | | 1 | T | | | † | | 1 | T | | 1 | † | T | | 1 | T | H | 1 | T | 2011 | | H |
| | SYSTEM PRESSURE | 77.7 | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | SHP (<=25psig) | HP (<=60psig) | HP (<=60psia) | HP (<==60psig) | LP (c=10.5%c) | HP (<=60psig) | 10.5°wc) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60ps(q) | HP (<=60psig) | | 111111111111111111111111111111111111111 | HP (<=60psig) | HP (<=60psiq) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psiq) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60bstg) | HP (<=60psig) | HP (<=60psig) | MD Acrestonian | HP (<==60psig) | HP (==60psig) | MP (<=60psig) | HP (<=80psig) | (<=e0psig) | HP (<=60psig) | (bisdig): | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | eopharg) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=80psig) | HP (<=60psig) | HP (<=60psig) | (c=60psig) | HP (<=60ps(g) |
| | | | 1 | T | HP (< | \Box | H | E E | \top | \vdash | $^{+}$ | $^{+}$ | H | + | H | Н | + | \dagger | † | | + | + | + | t | Н | + | + | t | Н | \forall | † | $^{+}$ | H | + | + | Н | \forall | $^{+}$ | 로 | 오 5 | T | П | 7 | T | Т | П | Т | $^{+}$ | \forall | + | \top | П | \Box | |
| | PLAT BLOCK | 4 | D02 53 | \perp | 105 2 | Н | 13 | 1 | 10 | A01 31 | 944 | 65 | A01 12 | 26 | 10 | Н | 807 51 | 1 | 1 | B06 74 | 4 | 500 | - | 1 | Н | A02 13 | 0 12 | 14 | 47 | 10 | 0 = | 18 | - | 5 5 | 12 5 | 4.8 | 4 | EU.5 47 | 15 | 37 | 37 | 10 | 9 | 17 | 3 83 | | 7 2 | | 13 | 74 | 14 08 | D08 53 | 17 | 52 |
| | WALL | | 5025 | + | 820 | 2130 | | 1 | | 5028 | 1 | | 2908 | 1 | | | 5028 | 2000 | | 5027 | 2000 | /700 | İ | | | 100 | İ | İ | | | | İ | | 7 | | | 0002 | nzze | | | | | | 1 | İ | | | İ | | | İ | 5027 | | |
| | REPORT | | 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 | 2/16/11 | 2/16/11 | 2/16/11 | 2/16/11 | 2/16/11 | 2/17/11 | 2/17/11 | 2/17/11 | 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 | 2/28/11 | 2/28/11 | 2/28/11 | 2/28/11 | 2/28/11 | 3/1/11 | 3/1/11 | 3/1/11 | 3/1/11 | 3/1/11 | 3/1/11 | 3/1/11 | 3/1/11 | 3/2/11 | 3/2/11 | 3/3/11 | 3/3/11 |
| | ADDRESS | | Bakersheid | Burney | Burney | Ukiah | Tranquillity | Fresho | Fresno | Decouple. | Fresho | Bakersfield | Vallejo | | Fresno | Fresno | Bakersfield | Fresho | Fresno | Bakersfield | | Erpeno | Fresno | Fresno | Fresno | Hayward | Fresno | Fresno | Fresno | Fresho | Fresho | Fresno | Sanger | Croons | Fresno | Fresno | Fresno | Avenal | Fresno | Fresno | Fresho | Fresno | Avenal | Fresho | Fresna | Fresno | Fresno | Fresho | Fresno | Bakersfield | Fresno | | Fresno | Fresno |
| | STREET | | + | SE | niih | le | omy | Janvan | la l | Sign | ary ary | 6 | ere | T | (a | nil | gion | slone | slone | rnia | 1 | | (a) | stal | viff | sa. | ne | la | n)l | iges | mond | andid | | adero | ides | Ina | man | nan | en | ruth | ive | ta ta | era | nlan | ssar | ersity | ome | non | Ness | mia | e e | am | lante | anne nune |
| | ADDRESS STREET | | | Plumas | Gunsmith | Apple | Anthony | E Kinds Canvon | E Alla | Niles | S Mary | King | Revere | | E Alla | N Fruit | Lexingtor | N Blackstone | N Blackstone | California | 0 0 | Y E | Crystal | N Crystal | E Swiff | Oakes | W Pine | E Alta | NFruit | W Hedges | W Mathinono | Belmont | | Embarcadero | W Hedges | N Delno | N Tellman | E Monterex | Jensen | N Carruth | W Olive | E Alta | Madera | E Clinton | W Vassar | E University | W Belmont | E Clinton | N Van Ness | California | S E Atta | Milham | E El Monte | N Thome |
| | DISTRICT | | Kern | Redding | Redding | Ukiah | Fresho | Fresho | Fresno | Kern | Fresho | Kem | Vallejo | Fresno | Fresno | Fresno | Kem | Fresno | Fresno | Kern | Kern | Kern | Fresno | Fresno | Fresno | Mission | Fresno | Fresno | Fresno | Fresho | Fresho | Fresno | Fresno | San Francisco | Fresno | Fresno | Fresno | Fresho | Fresno | Fresno | Fresno | Fresno | Fresno | Fresno | Fresno | Fresno | Fresho | Fresho | Fresno | Kern | Fresno | Kern | Fresno | Fresno |
| | DIVISION | | Kern | North Valley | North Valley North Valley | North Coast | Fresno | Fresho | Fresno | Kem | Fresho | Kem | North Bay | Freshon | Fresno | Fresno | Kern | Fresho | Fresno | Kem | Kem | Fresho | Fresno | Fresno | Fresno | Mission | Fresho | Fresno | Fresno | Fresho | Fresho | Fresho | - | San Francisco | Fresho | Fresno | Fresno | Fresno | Fresno | Fresno | Fresho | Fresno | Fresno | Fresho | Fresno | Fresno | Fresho | Fresho | Fresno | Kem | Fresno | Kern | Fresho | Fresho |

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SB_GT&S_0445610

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, 201 | 1 | | | | | | | | | |
|-------------------------|-------------------------|---------------------|-----------------------|----------------|--------------|----------|----------|--------------------------------|-----------------|---------------------|-----------------|---|--------------|----------------------|-----------------|---------------------|------------------|----------|----------------------------|-----------------|----------------|-----------------|-----------------|------------------------|
| DIVISION | DISTRICT | ADDRESS STREET | ADDRESS CITY | REPORT DATE | | PLAT | BLOCK | SYSTEM PRESSURE | YEAR INSTALL | CATHODIC PROT YN | FEET EXPOSED | MATERIAL | LINE SIZE | COATING TYPE | COATING COND | CIRCUM WELD COND | EXTERNAL GOUGING | | COATING REPAIRED Y/N | SUPPORT COND | GOUGING Y/N | DISCOLOR YIN | CRACKING YIN | 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 | 1 | | 8 | HP (<=60psig) | <u> </u> | | 4.00 | Steel | 2.00 | Double wrap | Excellent | | None | У | у | | n | n | n | n |
| Fresno | Fresno | North | | 3/3/11 | | | 8 | HP (<=60psig) | 1 | | 4.00 | Steel | 2.00 | | | | | | | | | | | |
| Kern | Kern | Terrace | Bakersfield | 3/4/11 | 5027 | D06 | 9 | HP (<=60psig) | 1952 | | 1.00 | Steel | 0.75 | Double wrap | Good | | None | | | | | | | |
| Fresno | Fresno | E Mono | Fresno | 3/4/11 | | | 15 | HP (<=60psig) | 2011 | | 6.00 | Steel | 3.00 | Hot Applied Asphalt | Fair | | None | У | У | | | | | |
| Kem | Kern | Naylor | Taft | 3/5/11 | - | | 15 8 | SHP (<=25psig) | - | | 4.00 | Sleel | 2.00 | Somastic | Fair | Acceptable | None | У | У | Good | | | | - |
| Fresno | Fresno | E Lane Porter | Fresno Ridgecrest | 3/7/11 | | | 33 | HP (<=60psig) HP (<=60psig) | ļ | | 2.00 | PE 2406/2708 (Yellow) PE 2406 (Orange) | 2.00 | | Good | | None | n | | Good | 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 | | | | '' | 11 | ,,, | |
| Fresno | Fresno | E Lowe | Fresno | 3/8/11 | 1000 | - | a | HP (<=60psig) | 1909 | · | | PE 2406/2708 (Yellow) | 1,00 | Duuble Wap | Good | | Light | n | n | | | | | |
| Fresno | Fresno | E Lowe | Fresno | 3/8/11 | + | | 4 | HP (<=80psig) | | | | PE 2406/2708 (Yellow) | 1.00 | | Good | | Ligin | n | n | Good | - | | | |
| Fresno | Fresno | E El Monte | Fresno | 3/8/11 | 1 | | 18 | HP (<=60psig) | † | | 7.00 | Steel | | Single wrap | Fair | | None | n | | | | | | - |
| Fresno | Fresno | Columbia | Fresno | 3/8/11 | 1 | | 14 | HP (<=60psig) | 1 | | | PE 2406/2708 (Yellow) | 1.00 | | Good | | | n | | Good | n | n | n | n |
| Fresno | Fresno | E El Monte | Fresno | 3/8/11 | | | 17 | HP (<=60psig) | | | 7.00 | Steel | 3.00 | Single wrap | Fair | | None | n | | | | | | |
| Kern | Kern | Fashion | Bakersfield | 3/8/11 | 4931 | J04 | 10 | HP (<=60psig) | 2011 | n | 7.00 | PE 2406/2708 (Yellow) | 2.00 | | | | | | | | n | | n | n |
| North Coast | Eureka | D | Eureka | 3/9/11 | _848 | H07 | 111 | HP (<=60psig) | | | 7.00 | Steel | 2.00 | | | | | | | | | | | |
| Fresno | Fresno | E Lowe | Fresno | 3/9/11 | - | \vdash | 4 15 | HP (<=60psig) | - | | 7.00 | Steel | 3.00 | Single wrap | Fair | Acceptable | None | | | | | | | - |
| Fresno | Fresno Fresno | N Brayley | Avenal Fresno | 3/9/11 | - | - | 7 | HP (<=60psig) HP (<=60psig) | | | 4.00 2.00 | PE 2406/2708 (Yellow) Steel | 2.00 4.00 | Hot Applied Asphall | Good | - | None | | ., | | n | n | n | n |
| North Valley | Red Bluff | Olive | Corning | 3/9/11 | | - | <u> </u> | rin (~~oupsig) | | | 2.00 | Oreal | 4.00 | 1100 Whiten Wahitell | Guuu | | INDIE | У | У | | - | | | |
| Fresno | Fresno | E Love | Fresno | 3/10/11 | 1 | - | 4 | HP (<=60psig) | - | | 5.00 | Steel | 3.00 | Single wrap | Fair | Acceptable | None | n | n | | | | | - |
| Fresno | Fresno | E Lowe | Fresno | 3/10/11 | | | 4 | HP (<=60psig) | | | 5.00 | Steel | 3.00 | Single wrap | Fair | - коо органо | None | n | n | | - | | | |
| Kern | Kern | OLIVE | Trona | 3/10/11 | 5220 | H04 | 46 | SHP (<=25psig) | 2011 | · | 4.00 | Steel | 2.00 | Hot Applied Asphalt | Fair | | None | У | У | | | | | <u></u> |
| Kern | Kem | Eye | Bakersfield | 3/11/11 | 5027 | C04 | 42 | HP (<=60psig) | † | n | 1.00 | PE 2406/2708 (Yellow) | 0.50 | | <u> </u> | 1 | | | | | 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 | | F02 | 36 | HP (<≃60psig) | 2011 | У | 2.00 | Steel | 2.00 | Double wrap | Excellent | | None | | | | | | | |
| North Bay | Marin | Cardinal | Mill Valley | 3/12/11 | | 1 | 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 | | | |
| North Coast | Ukiah | West | Redwood | 3/14/11 | 2007 | J07 | 14 | HP (<=60psig) | 1975 | | 1.00 | PE 2406 (Orange) | 4.00 | | | | | | | | | | | |
| Fresno | Fresno | E Montecito | Valley Fresno | 3/14/11 | | 307 | 18 | HP (<=60psig) | 1970 | n | 9.00 | Pt: 2405 (Urange) | 3.00 | Single wrap | Fair | Acceptable | None | n | | | | n | n | |
| Fresno | Fresno | E El Monte | Fresno | 3/14/11 | | | 21 | HP (<=60psig) | | ļ | 9.00 | PE 2406/2708 (Yellow) | 1.00 | angie wap | Good | Acceptable | None | n | n | | | | | |
| Fresno | Fresno | E Hamilton | Fresno | 3/14/11 | | - | 36 | HP (<=00psig) | - | | 3.00 | PE 2406 (Orange) | 1.00 | | 1,0000 | | 11000 | | " | | n | n | n | <u> </u> |
| Fresno | Fresno | S 10th | Fresno | 3/14/11 | + | 1 | 33 | HP (<=60psig) | - | | 3.00 | PE 2406 (Orange) | 1.25 | | | | | | | | n | n | n | n |
| Fresno | Fresno | E Sierra | Fresno | 3/14/11 | 1 | | 4 | HP (<=60psig) | † | - | 3.00 | Steel | 3.00 | Somastic | Excellent | | None | | | Good | | | | |
| Fresno | Fresno | S 10th | Fresno | 3/14/11 | 1 | | 33 | HP (<=60psig) | | | 3.00 | PE 2406 (Orange) | 1.25 | | | | | | | | n | n | n | n |
| Kern | Kern | Ming | Bakersfield | 3/14/11 | | | 1 | HP (<≃60psig) | 1983 | | 4.00 | Steel | 6.00 | Extru Coat | Excellent | Acceptable | None | | | Good | | | | |
| Fresno | Fresno | E Montecito | Fresno | 3/15/11 | | | 18 | HP (<≃60psig) | | | 7.00 | Steel | 3.00 | Single wrap | Fair | Acceptable | None | n | | | | | | |
| Fresno | Fresno | E El Monte | Fresno | 3/15/11 | ļ | | 21 | HP (<=60psig) | | ļ | | PE 2406/2708 (Yellow) | 1.00 | | Good | Acceptable | | n | n | Good | | | | |
| San Francisco Fresno | San Francisco Fresno | Rivera Fulton | Fresno | 3/16/11 | | - | 75 | HP (<=60psig) | | ļ | 2.00 4.00 | Steel PE 2406/2708 (Yellow) | 0,50 | | | | | | | | n | n | n | n |
| Fresno | Fresno | Montecito | Fresno | 3/16/11 | | - | 18 | HP (<=60psig) | | | 7.00 | Steel Steel | 3,00 | Single wrap | Fair | Acceptable | None | | | | | 11 | | " |
| Fresno | Fresno | Minitectio | 17162110 | 3/16/11 | + | | 17 | HP (<=60psig) | + | y | 7.00 | Steel | 3.00 | Other | Good | Ассернале | None | <u>n</u> | | Good | | 0 | n | h-n |
| Fresno | Fresno | E Lane | Fresno | 3/16/11 | + | - | 5 | HP (<=80psig) | - | - | | Steel | 2.00 | Other | Good | | | n | | | n | n | n | n |
| Fresno | Fresno | E Church | Fresno | 3/16/11 | | | 1 | HP (<=60psig) | 1 | <u> </u> | 4.00 | Steel | 4.00 | | 1 | | | | | | | | | |
| Kern | Kern | | Taft | 3/16/11 | 5220 | G02 | 15 | HP (<=60psig) | | n | 6.00 | PE 2406 (Orange) | 4.00 | | | | | | | | n | У | n | n |
| | | | Shasta Lake | T | T | | | | | | | | | | | | | | | | | | | |
| North Valley | Redding | Grand | City | 3/16/11 | 1011 | B03 | 9 | HP (<≃60psig) | 1968 | У | 1.00 | Steel | 0.75 | Tape | Good | | None | | | | | | | |
| North Bay | Marin | Rock Hill | Tiburon | 3/16/11 | 2986 | J04 | 9 | HP (<=60psig) | 1994 | n | 13.00 | PE 2406/2708 (Yellow) | 1.00 | | | | | | | | n | n | n | n |
| North Coast | Uklah | Ellen Lynn | Redwood Valley | 3/17/11 | 2007 | J07 | 5 | HP (<=60psig) | 1975 | n | 3.00 | PE 2406 (Orange) | 0.50 | | | | | | | | | n | n | ļ |
| North Coast | Ukiah | West | Redwood Valley | 3/17/11 | 2007 | J07 | 14 | HP (<≃60psig) | 1975 | n | 3,00 | PE 2406 (Orange) | 0.50 | | | | | | | | _ | n | n | |
| Fresno | Fresno | 14091 | Fresno | 3/17/11 | 2007 | 007 | 17 | HP (<=60psig) | 1010 | II y | 0,00 | Steel | 3.00 | Other | Good | | | n | | Good | n n | n | n | n |
| Fresno | Fresno | E Balch | Fresno | 3/17/11 | 1 | 1 | 1 | HP (<=60psig) | 1 | - ' | 5.00 | Steel | 2.00 | Somastic | Good | | None | · " | | 5550 | - " | ,, | ,,, | |
| 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 | _849 | 105 | 12 | HP (<=60psig) | 1946 | У | 4.00 | Steel | 4.00 | Somastic | Excellent | 1 | None | n | У | | | | | |
| North Coast | Eureka | Pennsylvania | Eureka | 3/17/11 | | | 12 | HP (<=60paig) | 1946 | У | 4.00 | Steel | 4.00 | Somastic | Excellent | | None | n | y | | | | | |
| 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 | Fresno | E Ashlan | Fresno | 3/18/11 | 3804 | | 12 | HP (<=60psig) | 1955 | У | 6.00 | Steel | 0.75 | Hot Applied Asphalt | Good | | None | У | у | Good | | | | |
| North Coast | Eureka | Pennsylvania | Eureka | 3/18/11 | _849 | | 12 | HP (<=00psig) | 1946 | У | 4.00 | Steel | 4.00 | | | | | | | | | | | |
| North Bay | Marin | Magnolia | Larkspur | 3/18/11 | 2985 | D04 | 27 | HP (<=60psig) | | n | 5.00 5.00 | PE 2406/2708 (Yellow) Steel | 1.00 | | | | | | | | n | n | n | n |
| Fresno | Fresno Kem | E Simpson Filson | Fresno Bakersfield | 3/20/11 | 5020 | G01 | 20 | HP (<=60psig) | 1996 | n | 3.00 | PE 2406/2708 (Yollow) | 0.75 | | | | | | | | n | n n | n | n |
| Fresno | Fresno | rilson | Fresno | 3/21/11 | | 901 | 53 | HP (<=60psig) HP (<=60psig) | 1990 | | 3.00 | Pt: 2406/2708 (Y080W) | 4.00 | Double wrap | Good | | None | | | | | 11 | | |
| Fresno | Fresno | 1 | Fresno | 3/21/11 | 1- | \vdash | 53 | HP (<=60psig) | - | - | 3.00 | Steel | 4.00 | Double wrap | Good | 1 | None | - | | | | | | - |
| Fresno | Fresno | · · | Fresno | 3/22/11 | + | 1 | 17 | HP (<=60psig) | | V | | Steel | 3.00 | Other | Good | t | None | n | | Good | n | n | n | n |
| | | | | y | 4 | | | , vapagg | | | | | | | | | | | | | | ., | | |

PACIFIC GAS AND ELECTRIC COMPANY
PERTITAL BRIGHTS: BRIDGE 30, 2011

| | TEECAP CRACK | | | | | c | | | ۵ | = | 1 | T | | Ξ | с | 1 | ī | 6 | | | | = | T | T | E | | c | ۲ | T | 6 | T _c | c | c | | = |]c | Γ | c | | Ī | \[= | | | = | c | T | | | | Ī | I | ľ | | | = | Ī | c | T | |
|----------------------------------|---------------------------|---|-------------|-------------------|--------------|-----------------|---------------------|------------|------------|------------------|--------------------|----------------|----------------|------------|-----------------|---------------------|-------------|-----------------|------------------|-------------|----------|---------------------|-----------------|---------------------|--------------------|----------|-----------------------|--------------------|----------------|------------------|----------------------|------------------|-----------------------|-------------|---------------------|------------------|-------------|--------------------|------------|----------------------|--------------------|-------------|-------------------|------------------------|--------------------|-------------|-----------------|------------------|--------------|---------------------|---------------|------------|---------------------|-----------------|-----------------------------|---------------------|--------------------|---------------------|--------------------|
| | CRACKING | | | | | С | | | С | = | 1 | | | c | c | | = | c | c | | | = | | | E | | с | c | | c | 5 | c | ш | | c | c | | c | | | c | | | c c | | | | | - | = | | | | c | c | | С | Ī | A. |
| | DISCOLOR O | | \dagger | T | | c | | | С | = | - | + | r | c | с | 1 | + | 6 | c | | 1 | - | T | T | c | | с | c | t | - | - | _ | c | 1 | - | c | T | = | | t | - | T | | = 0 | | | | | | + | t | T | | c | - | | c | † | - |
| | GOUGING DI | | + | + | | c | - | | = | = | - | + | - | c | c | + | = | = | - | - | 1 | = | + | + | = | | c | c | \dagger | = | - | c | = | + | + | c | + | = | + | + | = | \vdash | | = 0 | : : | + | - | | | - | + | H | H | c | - | + | H | + | - |
| | SUPPORT GO | | Good | | | + | Good | | 1 | Cood | 2000 | t | - | Good | | + | | l | | | 1 | + | Good | + | r | | | | t | 1 | t | | | - | 2000 | t | r | | | | Good | H | | + | Good | Good | l | | | Cond | 2000 | t | Good | | Good | Good | Good | Good | Donne I |
| | COATING SI REPAIRED SI | | , | - | H | + | >- | | 1 | + | + | \dagger | + | | | + | + | f | H | - | 1 | + | \dagger | t | H | | + | + | + | \dagger | + | f | | + | + | t | t | | 1 | + | t | _ | | + | - | + | - | - | | + | + | H | > | + | + | >- | - | - | _ |
| | COATING CO DAMAGED REP | 4 | c > | | - | + | - | | + | + | - | + | E | - | | + | - | - | - | _ | - | = | + | + | _ | - | | + | | + | + | ŀ | - | e e | + | + | + | | | | : = | 5 | u | + | | - | c | | | + | | + | | - | + | - | | + | |
| | MAL COA | | + | \vdash | - | + | 96 | 96 | 1 | + | + | + | - | Н | | 9 | + | + | | 96 | + | + | + | e | ŀ | | | + | + | + | 98 | - | | + | + | | - | | + | + | + | H | | + | + | + | L | 96 | | + | + | H | a | + | + | + | 91 | 91 9 | 1 |
| | EXTERNAL D GOUGING | | None | Non | Non | IGN | None | Non | 4 | Mona | INN | + | None | | | None | None | | - | None | - | Non | No. | None | Nen | | | - | None | + | None | L | Н | None | Non | - Interest | L | | None | Non | Non | Non | None | + | Non | None | Non | Non | | Pilon | + | None | None | _ | Non | None | \mathbb{H} | None | 1300 |
| | S CIRCUM WELD COND | | Acceptable | | | | | | | | - | - | _ | | | | | - | | | | | _ | | | | | | - | | - | | | Acceptable | _ | _ | | | | | | | | | _ | L | | | | | Acceptable | - | | | | L | 11 | Acceptable | |
| _ | COATING | | 1 2 | 1 | | | Fair | | | Door | Lanz | | Fair | Good | | Excellent | Fair | | | Good | | | | Good | | | | | Fair | | Good | | | Fair | G000 | 2000 | | | Excellent | Lagir Fair | Good | Fair | Excellent | | Good | Poor | | | | | Fair | Good | Fair | | Good | Good | Good | Fair | LAGORDO |
| January 01, 2011 - June 30, 2011 | COATING TYPE | | Single wrap | L Applied Asphall | Double wrap | da ivi algino | Hot Applied Asphalf | Bare/None | | Single uran | onigie wide | | Single wrap | Other | | 10t Applied Asphalf | Single wran | | | Single wrap | | Annifad Aenhall | Applied Asphall | Hot Applied Asphall | | | | | Single was | de la colonia | | | | Single wrap | Olondo siron | do sa pifino | | | Other | Rot Applied Aspriali | do sa osa os | Single wrap | t Applied Asphall | | | Double wrap | Applied Asphalf | (Applied Asphall | | | Single wran | | Hof Applied Asphall | | | Hot Applied Asphalf | | Single wrap | O Applica e opine. |
| 1,2011- | LINE SIZE C | | | | П | 2.00 | П | П | 00 | 96 24 | + | + | 00 | 00 | + | + | 2.00 | 20 | 00 | 00 | - | 1 | T | 7 | T | 00. | 00 | + | + | + | 00 | 00 | 00 | 00 | 00 | 2.00 | \vdash | 2.00 | + | + | 00 | 00 | .75 Hot | 0.50 | 00 | T | Г | | | 00.0 | + | 00 | H | 25 | 7.00 | t | \forall | 2.00 3.00 | 7 |
| anuary 0 | 3 | | 24 60 | | 0 0 | 3) (6 | 2 | 60 | Çw. | + | O CONTRACT | 1 | | Ц | Ш | 1 | \perp | L | \vdash | H | - | (//0 | | 000 | OW) | Ш | Ц | 1 | 1 | + | (96 | + | H | 2 | OW) | + | + | ow) 2 | | | 0,4/) | 100 | 0 | (MG | OWO | 2 | 60 | 9 | | + | | 100 | H | + | Drw) | | (win) | 24 60 | |
| GAS INSPECTION RESULTS: J | MATERIAL | | Slee | Sleel | Sleel | PE 2406 (Orange | Steel | Steel | 106/2708 (| PE 2406 (Orange) | DE 2406/2708 (Vall | r construction | Steel | Steel | PE 2406 (Orange | Sleel | Sleel | PE 2406 (Orange | PE 2406 (Orange) | Steel | | Ptc 24U6/2/U8 (Yell | Sie | Steel | PE 2406/2708 (Yell | Sleed | PE 2406/2708 (Yellow) | PE 2406/2708 (Yell | Slea | PE 2406 (Orange) | PE 2406/2708 (Yellow | PE 2406 (Orange) | PE 2406/2708 (Yellow) | Sleel | Ptc 2405/2708 (Yell | PE 2406 (Orange) | | PE 2406/2708 (Yell | Steel | 10000 | PE 2406/2708 (Yell | Steel | Sleel | PE: 2406/2708 (Yell | PF 2406/2708 (Yell | Steel | Steel | Steel | 0.000 | PE 2405 (Urange) | Sleel | Steel | Sleel | PE 2406 (Orange | Steel PE 2406/2708 (Yell | Steel | PE 2406/2708 (Yell | Siee | 17.717 |
| SPECTIO | FEET | | 3.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.00 | 9,00 | 00.0 | + | 00'9 | П | \forall | 7 | 00.8 | t | 3.00 | 4.00 | 1 | 00.0 | 3.00 | 3.00 | 3.00 | 4.00 | 00.9 | 0009 | 1100 | 1.00 | T | \dagger | 1.00 | 00.9 | 4.00 | 4.00 | T | 00'9 | 2.00 | 00.00 | 4,00 | 90'9 | 2.00 | 4.00 | 4.00 | 3.00 | 3.00 | 3.00 | 4 00 | 00.1 | 5.00 | 9.00 | 4.00 | 8.00 | 5.00 | 3.00 | 4.00 | 98.06 | 20.7 |
| GAS IN | CATHODIC PROT YN | | ^ | > | > | ^ | | | | 1 | | Ī | >>: | > | | | | Ī | | | | T | T | T | l | | c | c | | | | ľ | | | T | c | ľ | | | Ì | | Ī | | 6 | - | Ī | l | | | = : | | Ī | | c | T | > | | T | 1 |
| | YEAR C | | \dagger | 1958 | 1985 | \dagger | | | 1 | 1000 | 1200 | t | r | | | + | + | 1976 | | | 1 | + | \dagger | t | r | | 1995 | 1995 | 0#61 | t | t | T | | + | + | 1987 | \mid | | 1 | | t | r | | 1076 | | 1954 | \vdash | | 40.70 | 1978 | 1001 | T | | 1985 | \dagger | 1955 | H | \dagger | |
| | SYSTEM | | (Sisdness) | (c==60psig) | (e=e0psig) | <=e0psig) | =60pslg) | (<=80bsig) | =e0psig) | (<=@0bsig) | (Segunda) | (Sperion) | (<=00psig) | (c≈60psig) | (disdg=>) | (Bisdness) | zeopsig) | =60psid) | (6jsd0g=>) | -e0psig) | =60psig) | (c=enbsig) | =25nsin) | =60psig) | =60psig) | =60psig) | :e0psig) | :e0psig) | -Brousig) | (<=60psiq) | =60ps(d) | (<=e00psig) | (disd00=>) | (disdosia) | (exempsig) | (c=e0bsid) | (<==80psig) | (c=60psig) | (<=00psig) | (<=oupsig) | (c=60psig) | (c=e0psig) | =60psig) | (c=e0psig) | (sedon sed) | (c==60psig) | (e==60psig) | (<=:80bsig) | OOmmital | HP (<=e0psig) | HP (c=60nsin) | (c=60psig) | (<=90psig) | (<=e0psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | (Riedana. |
| | | | V) H | · 보 | HP (| 보 | >) 선도 | ×) d± | Y) 선보 | AP (A | WD (V | | MP (< | HP (< | >) 문 | Y 9 | 소 | ¥ ± | HP (< | >) dH | Y dr | Y S | SHD (| HP (A | NP (A | AP (< | > 선 | Y H | V CH | HP (< | F (× | NP (| >) dH | Y & . | V 1 | 1 | 100 | AP (< | | V) AM | | | | y di | Y) dH | E (Y | | | 9 | AP ON | 보 | MP (x | Y) dH | Y S | J ¥ È € | E : | Y H | + | 7 |
| | VT BLOCK | | 0 8 | \perp | Ц | 200 | 12 | 17 | 7 | 4 | 4 | 31 | 30 | 17 | 13 | 20 0 | - | - | 19 | 9 | - | 2 5 | 1 | 1 | = | Ц | Ц | 4 | 36 | 9 | 16 | 3 | 4 | 32 | \$ 6 | 100 | 4 | 75 | 22: | 2 8 | 200 | 322 | 13 | 7 - | , | F | 18 | 333 | | 1 | 7 | 32 | 26 | - 5 | 21 16 | 7 21 | H | - 86 | |
| | WALL PLAT | | + | 5028 C05 | - | + | H | H | + | G16 A02 | - | + | H | H | | + | + | H | H | H | + | + | 5220 M03 | _ | \vdash | \vdash | + | 1080 C04 | Z007 | + | + | + | H | + | + | + | + | Н | + | + | + | \vdash | H | 1070 | 4 | + | H | - | | 2078 E08 | + | \vdash | Н | 2252 | + | 4573 J07 | \perp | + | - |
| | | | | +- | H | | /13 | /11 | 41 | 4 | 1 | | 711 | 111 | /11 | | 1 | - | MI | 711 | = | | + | + | E | Н | 4 | 4 | + | | E | 111 | = | = | - | === | = | = | = | = - | | = | 11 | + | + | - | = | = | - | + | + | L | Н | + | === | | 4 | | |
| | IS REPORT DATE | 1 | + | + | n 3/22/11 | + | Н | H | + | 3/24/11 | + | + | + | Н | 3/28/11 | + | + | + | +- | Н | 3/29/11 | \dagger | + | + | t | Н | 7 | 3/30/11 | + | 3/3/1 | t | 3/31/11 | Н | 4/4/11 | + | 11/4/11 b | t | Н | T | 4/3/11 | $^{+}$ | $^{+}$ | Н | $^{+}$ | t | ld 4/8/11 | t | h | | + | 4/11/11 | † | \forall | \dagger | 4/12/11 | + | \forall | 4/13/11 | 1 |
| | ADDRESS | | Fresno | Bakerstie | Anderson | Bakersfield | Bakersfield | Fresno | Fresno | Olidale | Fraeno | Fresno | Fresno | Fresno | Fresno | Presno | Fresho | Bakersfie | Ridgecre | Fresno | Fresno | Fresho | Taff | Fresno | Fresno | | Redding | Redding | Fresnn | Fresno | Fresno | Fresho | Fresno | Fresno | Fresho | Bakersfield | | Fresno | Fresno | Fresho | Fresho | Fresno | Fresno | Presno | Fresno | Bakersfield | Selma | Fresno | Redwood | Valley San Carly | Fresna | Fresho | Bakersfield | Hopland | Fresno | Trona | Fresno | Fresho | - |
| | ADDRESS STREET | | E Lane | Ponflac | North | Keilh | Palomino | E Michigan | E Grant | Wilson | Shaw | N.Lorna | E Kings Canyon | Montecito | E Healon | S Cedar | Slind | Chester | Porter | E Balch | SLind | E Momecito | Dak | E Buller | E Montecito | | Old Alturas | Old Alluras | F Kinds Canvon | E Balch | E Montecito | N First | | S Whitney | E Liberty | 19th | | Bluff | N Van Ness | C Whiteda | E Liberty | S Whitney | 10Th | S F OWIEr | Fliherty | Acacia | Dockery | Inya | Tomographic | Chackrid | Fivell | N Sunset | Hayslett | Mountain House | S Rowell | , line | S Parallel | E Lyell N Fisher | (X) terror |
| | DISTRICT | | Fresho | Kern | Redding | Kem | Kern | Fresno | Fresno | Kem | Graena | Fresho | Fresho | Fresno | Fresno | Fresho | Fresho | Kern | Kem | Fresno | Fresno | Fresho | Kem | Fresno | Fresno | Fresno | Redding | Redding | Freeno | Fresho | Fresho | Fresno | Fresno | Fresno | Fresho | Kem | Fresno | Fresno | Fresno | Fresho | Fresho | Fresho | Fresno | Fresho | Fresho | Kern | Fresno | Fresno | 400 | Danineula | Fresha | Fresno | Kern | Ukiah | Fresho | Kern | Fresno | Fresno | 210011 |
| | MOISTAID | | Fresho | Kern | North Valley | Kern | Kern | Fresno | Fresno | Marth Cosel | Fracho | Fresho | Fresno | Fresno | Fresno | Fresho | Fresho | Kem | Kem | Fresno | Fresno | Fresho | Kem | Fresno | Fresno | Fresno | North Valley | North Valley | Fresno | Fresho | Fresno | Fresno | Fresno | Fresno | Fresho | Kem | Fresno | Fresno | Fresno | Fresho | Fresho | Fresno | Fresno | Fresho Morth Vollay | Fresho | Kem | Fresno | Fresno | November Co. | Daninguto | Fresna | Fresno | Kern | North Coast | Fresno | Kern | Fresno | Fresno | 175010 |

TABLE 17-4
PACIFIC GAS AND ELECTRIC COMPANY
PACIFIC GAS AND ELECTRIC COMPANY
PROPERTY OF 11 TS: I PRIMITARY 011 2 JUNE 30, 2011

| | TEECAP | _ | | | = | | | Ī | I | Ī | T | ľ | | c | c | T | c | Ī | c | | | 1 | = | T | T | c | I | c | U | | T | T | I | с | | T | T | Γ | c | T | T | | | T | I | T | | С | | - | E | | , | = = | | T | | |
|--|---------------------------|--------------|-------------|------------------|-----------------|----------|-------------|---------------------|--------------|--------------|-------------|-----------------|----------|------------------|---------------|--------------|----------------|---------------|---------------|---------------------|---------------------|-------------|--------------|---------------------|----------------|----------------|--------------|------------|----------------|------------|-----------------|---|------------|----------------|---------------------|---------------|------------|------------|-------------|-----------------------|---|--------------|---------------------|------------|---------------|------------------|----------------|------------------|---------------|----------------------|------------------|-----|---------------------|------------------|---------------|---------------|---------------|---------------|
| | CRACKING | u | | c : | = | | | | | T | T | - | | c | c | 6 | = = | | c | | | | = | | T | c | | c | ű | | | | Ī | и | | T | T | | С | | T | c | | | T | c | | c | | | = | | | = = | | | | |
| ŀ | DISCOLOR | u | | c : | + | r | | 1 | 1 | † | t | - | | _ | c | - | = = | T | E | | | 1 | = | 1 | t | - | T | | Ξ. | - | = | | T | c | | + | T | | С | + | \dagger | c | | | \dagger | c | | c | - | = = | - | - | - | = = | П | + | | |
| | GCUGING DI | u | _ | c | + | - | H | + | + | + | + | - | - | | c | | | + | _ | - | | + | = | + | + | = | + | c | | - | - | + | + | ı. | | + | \dagger | - | c | + | \dagger | _ | | + | \dagger | c | - | c | 1 | = = | - | - | | - | Н | + | | |
| | SUPPORT OC COND | | Good | | + | f | H | Cood | Sood | \dagger | \dagger | t | | | + | + | ł | ł | t | Good | Good | + | | Good | 2000 | \dagger | t | | | + | + | t | H | | Good | Sood | + | | | Cood | nana | | Good | | Good | | | | + | \dagger | t | | 1 | ł | Н | + | Good | |
| | COATING SUREPAIRED Y | | u. | | + | H | H | 1 | 1 | \dagger | + | + | п | | + | + | + | l | $\frac{1}{1}$ | >- | >- | + | + | 54 3 | | + | l | | | + | + | t | l | | >- | > | \dagger | | | \dagger | × 5 | | > | + | , | + | | | + | \dagger | H | | + | + | | | | |
| | COATING CO DAMAGED REF | | У | | - | H | H | - | - | - | + | + | u | | + | - | + | H | F | >. | ^ | + | 1 | | - | + | H | | | + | + | + | + | | y | > 0 | : : : | _ | | | = ===================================== | + | >- | - | = > | + | | H | + | + | + | - | c . | + | Н | + | | |
| | SNAL COP | | ne | | eu | H | ne | - | 90 | 20 00 | 2 9 | ne ne | ne. | | 1 | au | + | ŀ | l | ne en | au | au eu | 1 | au ou | | + | Je Je | | | au au | 90 | 20 | H | | Je. | e o | 200 | | H | + | 2 92 | | eu eu | - | al eu | | - | | + | + | H | - | + | + | | + | | |
| | B EXTERNAL MD GOUGING | - | None | _ | None | - | None | - Wich | NO. | ON ON | No. | None | No | | 1 | None | + | ŀ | - | - | None | oN. | - | None | OK! | + | None | | | None | Mono | NO | + | | gN. | None | No | _ | - | No | ole None | + | None | | None Nane | | H | | + | + | H | | None | + | Н | + | None | |
| | WELD COND | | | | | | | | | 1 | | L | | | | | | | L | Acceptable | 1 | | | | | | L | | | | | | | | | | | | | 1 | Acceptable | 1 | | | | L | | | | 1 | L | | | | | | | |
| | COATING | | Fair | | Good | | Fair | | | | + | Good | | | | 12000 | | | | Excellent | اسا | Good | | | Good | | Excellent | | | Good | Coord | none | | \perp | 1 | Sood | L | L | | Fall | Good | | Good | | Good | | | | | | | | Good | | Fair | Fair | Good | |
| GAS INSPECTION RESULTS: January 01, 2011 - June 30, 2011 | COATING TYPE | | Single wrap | | Double wrap | | Single wrap | Man Amalian Academy | Daukle visor | Single wrap | Other | | Other | | | Single wrap | | | | tot Applied Asphall | Hot Applied Asphalf | Double wrap | | Hot Applied Asphalt | Double wan | draw sumon | Other | | | Offher | Pouble supp | do w algent | | | fot Applied Asphall | Single wrap | Other | | | Uther Applied Applied | Hot Applied Asphalt | | tot Applied Asphall | | Single wran | | | | | | | | Hot Applied Asphall | | | | Tape | |
| 01, 2011 | LINE SIZE | 2.00 | 0.76 | 2.00 | 0.75 | | 2.00 | T | T | T | Т | 1,00 | | 0.50 | 2.00 | 00.0 | 0.50 | 16.00 | 2.00 | 3.00 | 2.00 | 4.00 | 2.00 | 4.00 | 2.00 | T | 0.75 | 4.00 | 4.00 | 2.00 | 0.00 | 00.7v | l | 2.00 | П | 2.00 | T | T | 1.00 | + | + | 1.00 | | 2.00 | 2.00 | 0.50 | 2.00 | 0.50 | 090 | 200 | 2.00 | H | 9 00 0 | 0.50 | | t | 0.75 | |
| January | | nge) | | nge) | (afili | \mid | H | - Volvi | ack) | \dagger | + | Yellow) | - | uge) | nge) | Callean | (ellow) | | nge) | | | 1 | (agu | + | Yollowy | (ellow) | | rellaw) | (Mallaw) | Vallance | restow) | t | H | rellaw) | | + | \dagger | - | | + | \dagger | (abu | | + | \dagger | nge) | | (agu | 1000 | riger | (agu | - | College | nge) | | + | | |
| IN RESULIS | BEATERIAL | PE 2406 (Ora | Steel | PE 2406 (Orange) | re zaus (Ola | | Steel | 48/ 00F6 38 | PE 5400 (DR | O Case | Siego Siego | PE 2406/2708 () | 1 1 | PE 2406 (Orange) | PE 2406 (Ora | Steel | PE 2406/2708 / | Steel | PE 2406 (Ora | Sleel | Steel | Sleel | PE 2406 (Ora | Sie | J 8ULC/9UFC 3d | PE 2406/2708 C | | 2406/2 | PE 2406/2708 (| 0000 | PE: Z400/2/06 (| olegi | | PE 2406/2708 (| Steel | Sleel | Sleel | | Aldyl A | Sleet Steet | S S S | PE 2406 (Ora | Steel | | Slee | PE 2406 (Orange) | | PE 2406 (Orange) | OE 2404 /Ove | PF 2406/2708 (Yellow | PE 2406 (Orange) | | Sleel | PE 2406 (Orange) | | | Steel | |
| SPECIF | FEET | 4.00 | 2.00 | 4.00 | 2.00 | | 00.9 | 4 00 | 40.00 | 00.00 | 3.00 | 3,00 | 3.00 | 1 1 | - 1 | | | | | 1 | 1 6 | - 1 | - 1 | - 1 | - 6 | 2.00 | 3.00 | 10.00 | 8.00 | 3.00 | 0000 | 1.00 | | 00'9 | 00'9 | 4.00 | 2.00 | 2.00 | 00.9 | 2.00 | 16.00 | 2.00 | 2.00 | | 4.00 | 1.00 | 2.00 | 9079 | 00.6 | 4 00 | 3.00 | | 3.00 | 2.00 | 2.00 | | 6.00 | 3,00 |
| (P | CATHODIC PROT YN | | ^ | c | > | | | | | | | | u | c | c | > 6 | - | | | | | >- | | > | , | | > | | | >1 s | = | > > | | С | | - | | > | >- | 3 | >. > | | > | ^ | | c | | ε. | c : | | - | | > 0 | - | > | > | 24: | >- |
| | YEAR (| | 1949 | 1987 | 1962 | l | Ħ | 1 | 1 | † | T | T | 2011 | 1997 | 1983 | 1983 | 0001 | T | T | | | 1 | 2011 | † | 2011 | 1 | 1971 | 2010 | 2010 | 1967 | 7/8 | 2034 | T | 2011 | | 2011 | 1940 | T | 2011 | 1047 | 1952 | 1890 | 2011 | 1962 | 7061 | 1978 | | 1991 | 0861 | 040 | T | | 1964 | 1986 | | T | 1965 | 1930 |
| | SYSTEM | =60psig) | =60psig) | (c=e0psig) | (Seguesa) | =80psig) | =60pstg) | =eomina) | (Bisdon) | (czennejn) | (Sedones) | (6)sd09=>) | =60psig) | <=60psig) | | (aw.c.u) === | HP (<=60bs(a) | | (<=80psig) | HP (<=60psig) | | | <=e0bsig) | (<=e0psig) | -Godbarg) | (<==60psig) | (c=e0psig) | <==60psig) | (<=00psig) | =60psig) | (Bisdey=>) | (Signos) | (c=60psig) | (=e0psig) | =10.5°wc) | (c=enesig) | (c=e0bsid) | (c=e0psig) | (<==60psig) | =eupsig) | (fisdog=>) | (Sisdop=>) | (==e0psig) | (<=60psig) | HP (<=60psig) | HP (<=60ps(g) | HP (<==60psig) | HP (<=60psig) | HP (<=60psig) | (Electron) | =60psig) | | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) |
| | | 十 | 土 | £ 9 | | dH H | ÷ H | T G | | 1 | 19 | 물 | HP | HP (| + | + | T | T | T | T | | - | d C | 1 9 | † | 1 | 9 | 를 | 된 | T G | AUC | | £ | 보 | LP (| | 1 | £ | 4 | £ 9 | Ē | 문 | 머 | | $^{+}$ | + | Н | 유 | È | $^{+}$ | + | + | + | + | Н | + | | Н |
| | PLAT BLOCK | 19 | Н | A06 1 | 101 50 | + | 16 | - 6 | ō c | 2 - | 1 | + | B08 9 | Ц | | 9 4 | 34 10 | - | | 37 | C02 1 | 1 | - | 7 2 | | 120 | D06 4 | ŠŠ. | Н | D02 | 0 0 | 0 6 | - Ci | 88 | U.S | 5 2 | 1 | 4 | 4 | 77 | R04 8 | 102 56 | Н | A01 | - 12 | 15 | | A05 35 | 96 | 1 | 14 | ļ., | 805 77 | 5 60 | 99 | ŝ | A02 5 | 38 |
| | WALL P | H | + | 5027 | 1361 | ╁╌ | H | + | + | \dagger | + | t | ₩ | 2842 | - | -+- | + | t | t | + | 3351 (| + | + | \dagger | t | t | 1221 | | Н | 1080 | \dagger | t | t | | | 1070 | - | - | H | 2240 | + | + | Н | | 2001 | t | - | 2907 | \dagger | \dagger | t | - | 1010 | t | Н | \dagger | 1011 | |
| | REPORT | /13/11 | 1 | _ | 4/13/11 | | 4/14/11 | 4/14/11 | 10/11 | 4/13/11 | 4/18/11 | 4/18/11 | \vdash | щ | 4/19/11 | 4 | 700/11 | 4/20/11 | 71/02/ | | 4/25/11 | 725/11 | 4/25/11 | 7,20/11 | 102/44 | 127/11 | 4/27/11 | /28/11 | /28/11 | 4/28/11 | 11/02/ | 1 | 729/11 | 4/29/11 | /29/11 | 4/29/11 | ٠ | 11/2/1 | 1/2/11 | 5/2/11 | + | +- | 3/3/11 | + | 5/4/11 | 5/4/11 | Н | Н | 5/8/11 | 5/9/11 | 5/9/11 | - | 5/9/11 | 5/11/11 | 5/12/11 | 5/12/11 | 5/12/11 | 5/13/11 |
| | ADDRESS RE | 1 | - | Bakersfield 4 | + | T | Fresno 4 | \dagger | + | † | Ť | + | П | | Ridgecrest 4. | + | + | Bakersfield 4 | +- | + | Alviso 4, | + | + | + | Sanner | +- | Cottonwood 4 | 1 | П | Redding 4, | Ť | + | + | 1 | 7 | Bakersfield 4 | + | Fresno | \vdash | + | + | + | Н | + | Rakersfield 5 | + | | Vallejo | \dagger | + | - | 00 | + | Bakersfield 5 | Н | Sanger 55 | | Fresno 5 |
| | AUDRESS STREET | t | Н | \dagger | $^{+}$ | + | S Holloway | - 1 | - 1 | - 1 | - 1 | S Holloway | 1 1 | | | MeDowall | t | Dasvning | t | t | Michigan | 7 | + | † | t | + | + | Н | rlan Ranch | Chum Creek | Reprine | + | t | Н | H | E 11th | t | <u>a</u> | H | $^{+}$ | \dagger | t | Н | + | + | White | H | Tennessee | S Peach | Ventura | t | | Till Caday | Eastwind | Н | De Will | oals | SEIm |
| | DISTRICT ADDR | H | H | + | + | + | Н | | | | | | | | | + | + | + | F | \vdash | H | + | + | + | + | + | + | Н | Н | + | + | + | + | H | \mathbb{H} | + | + | - | Fresno N. | + | + | + | S | + | + | ŀ | L | Vallejo | + | + | Kem | | + | Kem | H | Fresno | Redding Mus | Fresno |
| | DIVISION DIS | L | H | 4 | North Valley Re | \perp | Fresno F | + | + | + | + | + | H | | 4 | North Coast | + | Kern | + | + | San Jose Sa | + | + | + | + | + | + | Ц | Ц | 4 | 4 | 1 | 1 | Fresno | Ц | 4 | + | \vdash | Fresno | \perp | \perp | North Bay | Ш | 4 | 1 | Kem | | | Fresho F | + | + | - | 2 | Kem | Н | Fresno | ey | Fresno Fi |

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SB_GT&S_0445613

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

| | | | | | | | | | | GAS II | NSPECTI | ON RESULTS: Janu | ary 01, 20 | 11 - June 30, 201 | 1 | | | | | | | | | |
|-----------------------|-------------------|---------------------------|-----------------------|-------------------|----------|--------------|----------|---------------------------------|---------|--|----------------|---|--------------|--|--------------|--------------|--------------|---------|--|--------------|----------|----------|----------|----------------|
| | | | | | | | | | | | | | | | | | | COATING | COATING | | | | | TEECAR |
| DIVISION | DISTRICT | ADDRESS STREET | ADDRESS | REPORT | | PLAT | BLOCK | SYSTEM | YEAR | CATHODIC | FEET | MATERIAL | LINE SIZE | COATING TYPE | COATING | CIRCUM | EXTERNAL | | REPAIRED | SUPPORT | | DISCOLOR | CRACKING | CRACK |
| | | | CITY | DATE | MAP | | | PRESSURE | INSTALL | PROTYN | EXPOSED | | | | COND | WELD COND | GOUGING | Y/N | Y/N | COND | Y/N | Y394 | Y/N | Y/N |
| Fresno | Fresno | VV Larsen | Fresno | 5/13/11 | | | 3 | HP (<≃60psig) | | | 2.00 | - | | | | | | | | | | | | + |
| Fresno | Fresno | S Clara | Fresno | 5/16/11 | + | +-+ | 18 | HP (<≃60psig) | | Ý | 3.00 | - | | - | | | | | | - | - | | | + |
| Fresno | Fresna | S Cherry | Fresno | 5/16/11 | - | 1 | 5 | HP (<=60psig) | | - ú | 3.00 | PE 2406 (Orange) | | | | | - | | | | | | | - |
| Fresno | Fresno | Recreation | Fresno | 5/16/11 | 1 | † | 48 | HP (<=60psig) | 2011 | ý | 2.00 | | | | † | 1 | | | | † | | | | 1 |
| Kern | Kern | Truxtun | Bakersfield | 5/16/11 | 5027 | B03 | 14 | HP (<=60psig) | 1945 | У | 7.00 | Steel | 0.75 | Single wrap | Fair | | None | У | У | Good | | | | 1 |
| Fresno | Fresno | Elm | Fresno | 5/17/11 | | | 4 | HP (<=60psig) | | У | | | | Other | Fair | | | | | | | | | |
| Central Coast | Coast | 41st | Capitola | 5/18/11 | | D02 | 50 | HP (<=60psig) | 1946 | У | 1.00 | Steel | 4.00 | Somastic | Excellent | | None | n | n | Good | | | | |
| North Coast | Ukiah | Luff | Uklah | 5/18/11 | 2130 | B05 | 7 | SHP (<=25psig) | 2011 | n | 80.00 | PE 2406/2708 (Yellow) | 1.00 | | | | | | | | n | n | n | n |
| Fresno | Fresno | Jefferson | Fresno | 5/18/11 | | 1 | 19 | HP (<=60psig) | | | | | | | | | | | | | | | | 1 |
| North Bay | Vallejo | Inca | Vallejo | 5/19/11 | 2908 | C01 | 6 | HP (<=60psig) | 1955 | n | 5,00 | Steel PE 2406 (Orange) | 0.75 | Other | Good | ļ | None | | | Good | n | | | - |
| 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 |
| Kem | Kern | Panama | Bakersfield | 5/19/11 | 5026 | | 5 | HP (<=60psig) | 2011 | | 3,00 | PE 2406/2708 (Yellow) | 8.00 | - | | | | - | | | n | n | n | n |
| Central Coast | Hollister | 4th | Hollister | 5/19/11 | 3782 | A01 | 1 | HP (<=60psig) | 1987 | 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 | | 44 | HP (<=60psig) | 1970 | Ü | 3.00 | Steel | 2.00 | Extru Coat | Excellent | - Contract | None | n | n | Good | <u> </u> | | | 1 |
| Fresno | Fresno | W Shields | Fresno | 5/24/11 | 1 | - | 3 | HP (<=60psig) | 2011 | n | 6.00 | PE 2406 (Orange) | 2.00 | | - | | - | | | | n | n | n | n |
| Kern | Kern | City In The Hills | Bakersfield | 5/24/11 | 1 | 1 | 63 | HP (<=60psig) | | n | 3.00 | PE 2406/2708 (Yellow) | 2.00 | | | 1 | 1 | | | 1 | n | n | n | n |
| Kem | Kern | Sillect | Bakersfield | 5/24/11 | 4930 | | 48 | HP (<=60psig) | | n | 3.00 | PE 2406 (Orange) | 2.00 | | | | | | | | n | n | n | n |
| Kem | Kern | Sillect | Bakersfield | 5/24/11 | 4930 | | 48 | HP (<=60psig) | | n | 3.00 | PE 2406 (Orange) | 2.00 | | | | | | | | n | n | n | n |
| Central Coast | Coasi | Capitola | Capitola | 5/25/11 | 3676 | C03 | 24 | HP (<=60psig) | 1930 | у | 11.00 | Steel | 3.00 | Single wrap | Peer | | None | У | У | Good | | | | |
| Fresno | Fresno | N Hughes | Fresno | 5/25/11 | | | 73 | HP (<=00psig) | | у | | | | | | | | | | | | | | - |
| Fresno | Fresno | Fullon | Fresno | 5/25/11 | | | 97 | HP (<=60psig) | - | | | PE 2406/2708 (Yellow) | 2.00 | | | | | | - | - | n | n | n | n |
| Fresno North Coast | Fresno | N Hughes Parducci | Fresno | 5/25/11 6/2/11 | 2000 | H08 | 43 | HP (<=60psig) HP (<=60psig) | 1982 | У | 4.00 | PE 2406/2708 (Yellow) PE 2406 (Orange) | 1.00 | | | | | | | ļ | n | n n | n | n |
| Fresno | Fresno | E Balch | Fresno | 6/2/11 | 2000 | nuo | 59 | HP (<=60psig) | 2010 | n | 7.00 | PE 2406/2708 (Yellow) | 4.00 | 1 | | ļ | ļ | | | | n | n | n n | - n |
| Kern | Kem | Stine | Bakersfield | 6/2/11 | - | + | 17 | Tir (s=oopaig) | 2010 | n | 8.00 | PE 2406/2708 (Yellow) | 2.00 | - | | | - | | | | n | n | n | 1 n |
| Kern | Kern | Eye | Bakersfield | 6/2/11 | 1 | \vdash | 70 | HP (<=60psig) | - | n | 2.00 | Aldyl A | 0.50 | | <u> </u> | - | 1 | - | | | n | n | n | 1 |
| North Bay | Napa | Trancas | Napa | 6/3/11 | 2710 | G07 | 53 | HP (<=60psig) | - | | 6.00 | PE 2406 (Orange) | 2.00 | | | | | | | <u> </u> | n | n | n | |
| North Bay | Napa | Trancas | Napa | 6/3/11 | 2710 | G07 | 8 | | | | 8.00 | PE 2406 (Orange) | 1.25 | | | | | | | | n | n | n | |
| Fresno | Fresno | East | Fresno | 6/3/11 | | | | | | | | | | | | | | | | | | | | |
| Fresno | Fresno | E Hamilton | Fresno | 6/3/11 | 3869 | H04 | 8 | HP (<=60psig) | 1937 | | 3.00 | Steet | 2.00 | Hot Applied Asphalt | Good | | None | n | | Good | | | | |
| Fresno | Fresno | E Healon | Fresno | 6/6/11 | <u> </u> | 1 | 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 | | 17 | LIFE (and Office also) | 1977 | | 4.00 3.00 | PE 2406 (Orange) | 2.00 | (1-(4 | - Consider | | None | | | 0 | n | n | n | - |
| Fresno | Fresno Kern | E Heaton San Emedio | Fresno Taff | 6/6/11 | 3869 | H04 | 34 | HP (<=60psig) SHP (<=25psig) | 1972 | y | 1.00 | Steel Aldyl A | 0,50 | Hot Applied Asphall | Good | | None | 11 | - | Good | , n | n | | - |
| Central Coast | Monterey | Gibson | Pacific Grove | 6/7/11 | 3895 | F07 | 61 | SHP (<=25psig) | 1953 | | 9.00 | Sleel | 0.75 | Single wrap | Poor | | None | V | V | Good | · | | | '' |
| Central Coast | King City | Rusconi Drive | King City | 6/7/11 | 4028 | H05 | 12 | HP (<=60psig) | 2007 | v v | 2.00 | PE 2406/2708 (Yellow) | 1.00 | worger map | 1 | | 1111111 | | | | 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 | | | | | | | 1 |
| 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 |
| Kern | Kem | 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 | | 57 | SHP (<=25psig) | 1992 | n | 4.00 | PE 2406/2708 (Yellow) | 0.50 | | | | | | | | n | n | n | n |
| Central Coast | Monterey | Gibson | Pacific Grove | 6/7/11 | 3895 | | 21 | SHP (<=25psig) | 1953 | У | 5.00 | Steel | 2.00 | Somastic | Fair | | None | У | У | Good | | | | |
| North Coast | Uklah | S Hwy 101 | Hopland | 6/8/11 | 2252 | | 20 | HP (<=60psig) | 1970 | У | 4.00 | Steel | 2.00 | Extru Coat | | | None | n | n | Good | | | | ļ |
| Central Coast | Salinas | San Pedro | Salinas | 6/8/11 | 3900 | | 8 | HP (<=60psig) | 1999 | n | 2.00 | PE 2406/2708 (Yellow) | 0.50 | I land down Bank Associated | - C | ļ | ļ | | | ļ | n | n | n | n |
| Fresno North Bay | Fresno Vallejo | N Forkner L. Ellenburg | Fresno Vallejo | 6/8/11 | 3803 | G03 | 19 | HP (<=60psig) | 1953 | У | 5,00 | Steel Steel | 0.75 2.00 | Hot Applied Asphalt Hot Applied Asphalt | Good | | None None | n | n | Good | - | | | - |
| Fresno | Fresno | E Lorena | Fresno | 6/8/11 | 1 | + | 42 | HP (<=60psig) | 2003 | n | 2.00 | PE 2406/2708 (Yellow) | 0.50 | 1301 Whiten Wohildit | 15000 | + | 14000 | | | 5000 | n | n | n | n |
| Kern | Kern | Meadows | 1 | 6/8/11 | 1 | + | 11 | HP (<=60psig) | 1 | · | 3.00 | PE 2406 (Orange) | 1.25 | <u> </u> | | t | 1 | | | | n | n | n | n |
| Kern | Kern | Panama | Bakersfield | 6/8/11 | 1 | + | 2 | HP (<=60psig) | 1981 | | 5.00 | Steel | 4.00 | Double wrap | Good | 1 | None | У | У | | | | | 1 |
| Kern | Kern | Cinnamon | Oildale | 6/10/11 | 4930 | H02 | 4 | HP (<=60psig) | 1975 | | 3.00 | PE 2406 (Orange) | 0.50 | 1 | | | 1 | | | | n | n | n | n |
| Kern | Kern | Lotus | Bakersfield | 6/10/11 | | | 17 | HP (<≈60psig) | 1985 | n | 10.00 | PE 2406 (Orange) | 2.00 | | | | | | | | n | n | n | n |
| Central Coast | Coast | Holley | Watsonville | 6/10/11 | 3678 | | 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 | Bakersfield | 6/13/11 | - | - | 3 | HP (<=60psig) | 4000 | n | 2.00 | PE 2406 (Orange) | 4.00 | 11-14 | - | | - | | | | n | n | n | n |
| Kern Central Coast | Kern Monterev | General Petroleum | Taft Pacific Grove | 6/13/11 | 3000 | F01 | 30 81 | SHP (<=25psig) LP (<=10.5%c) | 1950 | У | 3.00 5.00 | Steel Steel | 2.00 | Hot Applied Asphalt Somastic | Fair | | None | У | У | | | | | - |
| Central Coast | Monterey | Coral | Pacific Grove | 6/14/11 | 3896 | H04 | 31 | HP (<=60psig) | 1955 | У | 5.00 | Steel | 0.75 | Somastic | Good | | None | n | y n | Good | | | | - |
| North Bay | Valleio | Virginia | Valleio | 6/14/11 | 2907 | B05 | 30 | HP (<=60psig) | 1500 | , | 2.00 | PE 2406 (Orange) | 0.75 | Sumanu | Guod | | TAOUG | | | 9000 | n | n | n | 1 n |
| Central Coast | Monterev | Coral | Pebble Beach | 6/14/11 | 3895 | H04 | 29 | HP (<=60psig) | 1950 | ٧ | 3,00 | Steel | 0.75 | Hot Applied Asphalt | Fair | - | - | n | | | · · · · | | | + " |
| Central Coast | Monterey | The Old | Pebble Beach | 6/14/11 | 3895 | | 14 | HP (<=60psig) | 1956 | , , , | 6,00 | Steel | 0.75 | Somastic | Good | | None | n n | n | Good | - | | | 1 |
| Kem | Kem | Pioneer | Bakersfield | 6/14/11 | 1 | 1 | 9 | HP (<=60psig) | 1 | | 2.00 | PE 2406/2708 (Yellow) | 4.00 | | 1 | 1 | 1 | · | | 1 | n | n | n | n |
| Kern | Kern | Mt Vernon | Bakersfield | 6/14/11 | 1 | 1-1 | 14 | HP (<=60psig) | t | у | 3.00 | PE 2406/2708 (Yellow) | 0.50 | | T | 1 | 1 | | | | n | n | n | n |
| Fresno | Fresno | N 3rd | Fresno | 6/14/11 | 1 | \Box | 76 | HP (<≃60psig) | | | 5.00 | Steel | 2.00 | Hot Applied Asphalt | Excellent | 1 | None | У | У | Good | | | | 1 |
| 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 | 1 | None | n | n | Good | | | | |
| Central Coast | Monterey | David | Monterey | 6/15/11 | 3896 | | 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 | 6/15/11 | | H05 | | HP (<=60psig) | 2007 | У | 2.00 | PE 2406/2708 (Yellow) | 1.00 | | | | | | | | n | | n | n |
| Central Coast | King City | Rusconi Drive | Soledad | 6/15/11 | 4028 | | 11 | HP (<=60psig) | 2011 | У | 2.00 | PE 2406/2708 (Yellow) | 1.00 | | | | 1 | | | | n | n | n | n |
| North Bay | Napa | Hwy 29 | St Helena | 6/15/11 | 2639 | D03 | 1 | | 1 | | 4.00 | Steel | | Hot Applied Asphalt | L | | Heavy | n | L | | | | | 1 |

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

| TEECAP CRACK YIN | | | c | | | c | c | | | | | | | T | - | _ | | T | I | L | | | | | | | | c | c | | | | |
|--|---------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|-----------------------|-----------------------|---------------------|----------------|---------------|-------------|----------------|--|--------------------|------------------|-----------------|---------------|---------------------|-----------------------|----------------|---------------------|------------------|---------------|---------------------|---------------|---------------------|------------------|----------------|---------------------|-----------------------|-----------------------------|-------------------|
| CRACKING | | | c | | | c | c | c | | | c | | | 1 | = | c | 6 | = | | u | | | c | | | c | | c | c | | c | u | |
| SUPPORT GOUGING DISCOLOR CRACKING COND YIN YIN | | | c | | | c | c | c | | | c | | | ļ | = | c | 7 | - | | u | | | c | | | c | | - | c | | 5 | - | |
| SOUGING | | | c | | | c | c | c | | | = | | | ļ | = | | | T | | c | | | æ | | | c | | c | c | | c | = | |
| SUPPORT | | Good | | | Good | | | | Good | Good | | | Good | | | | | T | Good | | Good | Good | | Good | | | | | | | | | |
| COATING REPAIRED YIN | | > | | ^ | c | | | | > | >- | | | c c | | | | | | > | | >- | c | | > | | | >- | | | | | | c |
| COATING COATING DAMAGED REPAIRED Y/N YR | | > | l | > | c | | - | | > | 5 | | | c | 1 | | | | T | > | | >- | a | | > | | | 24: | | | | | | c |
| | | None | | None | None | | - | | None | | | | None | t | | | | t | None | | Light | None | | None | None | | None | | | None | | | None |
| OATING CIRCUM EXTERNAL COND WELD COND GOUGING | | | | | | | | | | Acceptable | | | + | 1 | | | | † | | | | - | | | | | | | | | _ | | - |
| COATING | | Good | | Good | Good | | | | Good | Fair | | | Cood | | | | | T | | - | Poor | | | Excellent | Fair | | Fair | | | Fair | | | Poor |
| COATING TYPE | | Hot Applied Asphalt | | Hot Applied Asphall | Hot Applied Asphall | | | | Hot Applied Asphall | Somastic | | : | Louble wrap | | | | | | Hot Applied Asphalf | | Paint | Hot Applied Asphalf | | Double wrap | Hot Applied Asphall | | Hot Applied Asphaff | | | Hot Applied Asphall | | | Bare/None |
| TWE SIZE | 2.00 | 3.00 H | 0.50 | 2.00 H | Ξ | 1.00 | 1.00 | 00.0 | - | 0.75 | 05.0 | 100 | 0.78 H | t | 7.00 | 0.50 | 0.50 | 0.50 | 3.00 H | 2.00 | 4.00 | 3.00 H | 3.00 | 2.00 | I | 3.00 | 0.75 H | 05.0 | 0.50 | 2.00 H | 2.00 | 2.00 | - |
| MATERIAL | Steel | Sleel | PE 2406/2708 (Yellow) | Steel | Sleel | PE 2406/2708 (Yellow) | PE 2406/2708 (Yellow) | PE 2406/2708 (Yellow) | Steel | Steel | Aldyl A | - | New Steel | A CONTRACTOR OF CHILD | 2400/2700 (Tellow) | PE 2406 (Orange) | alrevi a | Aldyl A | Sleel | PE 2406/2708 (Yellow) | Steel | Steel | PE 2406 (Orange) | Steel | Steel | Aldyl A | Sleel | PE 2406 (Orange) | Aldyl A | Sleel | PE 2406/2708 (Yellow) | PE 2406/2708 (Yellow) | Copper |
| FEET EXPOSED | 3.00 | 3.00 | F | 2.00 | 6.00 | 2.00 PE | 2.00 PE | 4.00 PE | 4.00 | 2.00 | 4.00 | | 3.00 | t | + | 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 | 5.00 | | 2.00 PE | 8.00 |
| CATHODIC PROT YN EX | - | | ^ | | > | > | > | | | 3h: | - | | > | 1 | = | - | | - | | _ | >- | > | ^ | > | | - | >- | | | >- | c c | _ | >- |
| YEAR C. | 1944 | | - | | 1968 | 2011 | 2011 | | | 1955 | 1974 | | 1904 | + | - | _ | 1073 | 1977 | - | - | 1965 | 1978 | 1985 | 1985 | - | - | 1943 | _ | - | | | - | - |
| SYSTEM | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | SHP (<=25psig) | HP (<=60psig) | HP (<=60psig) | HP (<=00psig) | HP (<=e0psig) | SHP (<=25pslg) | HP (<=60psig) | | HP (<==60psig) | (Sindho) Gill | (fiscing>) J | SHP (<=25psig) | MD (emetinoles) | HP (<=60psia) | HP (<=60psig) | SHP (<=25psig) | HP (<=60psig) | HP (<==60psig) | HP (<=60psig) | HP (<=60psig) | HP (<=60psig) | | HP (<=60psig) | HP (<=60psig) | SHP (<=25psig) | HP (<=60psig) | HP (<=00psig) | HP (<=60psig) | HP (<=60psig) |
| PLAT BLOCK | H | - | + | 788 | 15 SI | = | == | 2 | - | 120 SI | - 56 - F | | R 78 | + | 7 | 24 SI | 7 | t | 37 F | 21 | - | 2 + | H | | 37 F | 9 | 16 F | 7 | 28 | 0) | H | H | 2.1 |
| | | | | | A08 | ⊢ | H05 | HO3 | | ⊢ | E07 | - | 5 8 | + | | | S C U | _ | | | 107 | E07 | | | H07 | F01 | 303 | | | Pg. | | F04 | B02 |
| REPORT WALL DATE MAP | 1 3410 | _ | _ | _ | 1 2129 | 1 4028 | 1 4028 | 1 2843 | - | 1 3896 | 1 1943 | | 1011 | + | - | | 1011 | + | - | L | 1 3677 | 1 2190 | 1 3676 | 1 3676 | 1 2710 | 4 | 1 2927 | _ | Ļ | 1 2571 | 7 | 7 | 1 2985 |
| REPORT | 6/15/11 | 6/15/1 | 6/15/11 | 6/15/1 | 6/15/11 | 6/16/11 | 6/16/1 | 6/18/1 | ├ | 6/20/11 | 6/20/11 | | 6/20/11 | 000 | 1/77/0 | 6/22/11 | 800044 | 6/23/11 | 6/23/11 | 6/25/11 | 6/28/11 | 6/29/11 | 6/29/11 | 6/29/11 | 6/29/11 | 6/29/11 | 6/30/1 | 6/30/1 | 6/30/11 | 6/30/1 | | 6/30/11 | 6/30/11 |
| ADDRESS | Los Altos | Bakersfield | Bakersfield | Bakersfield | Ukiah | Soledad | Soledad | Vallejo | Fresho | Pacific Grove | YVIIIIS | Shasta Lake | Manulerey | Determine | DIGING SHORT | Taff | Shasta Lake | Redding | | Taff | La Selva Beach | Ukiah | Aplas | Aptos | Napa | San Francisco | San Rafael | Avenal | Taff | St Helena | San Francisco | San Francisco | Ross |
| ADDRESS STREET | Manor | 24TH | Pageant | 24 TH | Kunzler Ranch | Rusconi Drive | Rusconi Drive | Columbus | N 3rd | 705 | S Main | | Locusi | Selection of the select | Colony | a | Tamva | Shasla | | Woodrow | San Andreas | Riverside | Mc Gregor | Mc Gregor | Sonoma | Cambridge | Fiffs | E Merced | poogs | Inglewood | Howard | Howard | Sir Francis Drake |
| DISTRICT | De Anza | Kern | Kem | Kem | Ukiah | King City | King City | Vallejo | Fresno | Monterey | Ukiah | | Manierey | | Veill | Kem | Padding | Redding | Fresno | Kem | Coast | Ukiah | Coast | Coast | Napa | San Francisco | Marin | Fresno | Kem | Napa | San Francisco | San Francisco San Francisco | Marin |
| MOISIAID | De Anza | Kem | Kern | Kem | North Coast | Central Coast | Central Coast | North Bay | Fresno | Central Coast | North Ceast | | Central Chast | | Nest | Kern | Morth Vallay | 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 Spend | Units Completed Unit Cost Total Spend | Units Completed Unit Cost Total Spend | Units Complete d Unit Cost Total Spend | Units Complete d Unit Cost EOY Actuals | |
| 1 IMWC 14 - Table 19-3 2 GPRP Feet of Main Installed 3 CSRP Services Replaced 4 IMWC 14 Total | 149,438 \$ 408 \$ 60,983,84 5,629 \$ 6,851 \$ 38,566,77 \$ 99,550,61 | 6,227 \$ 6,424 \$ 40,000,000 | 185,044 \$ 472 \$ 87,305,000 6,500 \$ 6,707 \$ 43,595,000 \$ 130,900,000 | 189,351 \$ 486 \$ 92,017,000 6,485 \$ 7,002 \$ 45,408,000 \$ 137,425,000 | 258,613 \$ 500 \$ 129,320,000 2,138 \$ 7,310 \$ 15,629,000 \$ 144,949,000 | |
| 5 MWC 47- Table 19-4 6 Capacity Main Installation 7 Capacity Regulator Station 8 Capacity Miscellaneous N/A 9 MWC 47 Total | 24,100 \$ 212 \$ 5,104,65; 4 \$ 377,196 \$ 1,508,78 5 1,789,25 | 10 \$ 328,000 \$ 3,280,000 \$ 1,435,000 | 55,000 \$ 151 \$ 8,320,000 11 \$ 338,182 \$ 3,720,000 5 1,510,000 \$ 13,550,000 | 55,000 \$ 156 \$ 8,570,000 12 \$ 348,333 \$ 4,180,000 \$ 1,200,000 \$ 13,950,000 | 55,000 \$ 160 \$ 8,820,000 12 \$ 358,333 \$ 4,300,000 \$ 1,240,000 \$ 14,360,000 | |
| MWC 50- Table 19-5 Main Replacement Feet of Main Installed Service Replacement Services Replaced Regulator Station Regulator Station (2) Cathodic Protection N/A Miscellaneous N/A Miscellaneous N/A Miscellaneous N/A | 11,231 \$ 297 \$ 3,334,82 1,624 \$ 7,681 \$ 12,474,29 51 \$ 139,791 \$ 7,129,35 \$ 2,395,59 \$ 3,248,19 | 2 907 \$ 8,269 \$ 7,500,000 41 \$ 195,122 \$ 8,000,000 \$ 1,850,000 | 4,500 \$ 493 \$ 2,220,000 740 \$ 8,633 \$ 6,314,667 24 \$ 244,414 \$ 5,865,931 \$ 2,350,000 \$ 1,677,402 220 \$ 5,000 \$ 1,100,000 | 5,075 \$ 509 \$ 2,582,279 740 \$ 8,780 \$ 6,497,200 24 \$ 251,897 \$ 6,045,517 \$ 2,430,000 \$ 1,730,003 225 \$ 5,156 \$ 1,160,000 | 5,275 \$ 523 \$ 2,758,071 740 \$ 9,040 \$ 6,689,600 24 \$ 258,966 \$ 6,215,172 \$ 2,490,000 \$ 1,782,156 225 \$ 5,289 \$ 1,190,000 | |
| 77 CP Remote Monitoring 18 MWC 50 Total 19 MWC 27 - Table 19-8 20 MPP Relocations Services Relocated 21 MWC 27 Total | - N/A \$ 17,10 | 12 \$ 8,333 \$ 100,000 | 1723 \$ 1,400 \$ 2,412,000 | 1723 \$ 1,442 \$ 2,485,000 \$ 22,930,000 76 \$ 8,553 \$ 650,000 | 1722 \$ 1,484 \$ 2,555,000 \$ 23,680,000 | |

(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

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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

| | | Settlement Reduction | | | | | | | |
|---------|----------|--|-----------------------------------|-------------------------|------------------------|--------------------|-------------------------------------|-----------------|-------------------------------------|
| | | MWC Description | Comparison Exhibit Forecast | Settlement Reduction | Attrition Reduction | Total Reduction | 2011 Imputed Regulatory Value | Pension 7 Adder | Revised imputed Value |
| ıΓ | | | (A) | (B) | (C) | (D) = (B) + (C) | (E) = (A) + (D) | (F) | (G)=(E) + (F) |
| . | | | | | | | | | |
| Shootie | Gas Dist | ribution | | | | | | | |
| | 14 | Gas Pipeline Replacement Pgm | 130,900 | 14 | (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 |