



Application of Pacific Gas and Electric Company for Adoption of Electric Revenue Requirements and Rates Associated with its 2017 Energy Resource Recovery Account (ERRA) and Generation Non-Bypassable Charges Forecast and Greenhouse Gas Forecast Revenue and Reconciliation

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Application 16-06	

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(U 39 E)

# APPLICATION OF PACIFIC GAS AND ELECTRIC COMPANY (U 39 E) FOR 2017 ENERGY RESOURCE RECOVERY ACCOUNT AND GENERATION NON-BYPASSABLE CHARGES FORECAST AND GREENHOUSE GAS FORECAST REVENUE AND RECONCILIATION

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#### TABLE OF ACRONYMS

Acronym	Full Name
AB	Assembly Bill
AET	Annual Electric True-up
ARB	California Air Resources Board
BPP	Bundled Procurement Plan
CAM	Cost Allocation Mechanism
CCA	Community Choice Aggregation
СНР	Combined Heat and Power
CPUC	California Public Utilities Commission
CTC	Competition Transition Charge
D.	Decision
DA	Direct Access
DWR	California Department of Water Resources
ERRA	Energy Resource Recovery Account
GHG	Greenhouse gas
GTSR Program	Green Tariff Shared Renewables Program
IOU	Investor Owned Utility
MTCBA	Modified Transition Cost Balancing Account
Multifamily Program	Multifamily Affordable Housing Solar Roofs Program
NSGBA	New System Generation Rate Balancing Account
PCIA	Power Charge Indifference Adjustment
PG&E	Pacific Gas and Electric Company
QF	Qualifying Facility

## BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Application of Pacific Gas and Electric Company for Adoption of Electric Revenue Requirements and Rates Associated with its 2017 Energy Resource Recovery Account (ERRA) and Generation Non-Bypassable Charges Forecast and Greenhouse Gas Forecast Revenue and Reconciliation

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#### I. INTRODUCTION

Pursuant to Rules 2.1 and 3.2 of the Rules of Practice and Procedure of the California Public Utilities Commission ("Commission" or "CPUC"), as well as California Public Utilities Code Section 454.5(d)(3)<sup>1</sup> and related Commission decisions, Pacific Gas and Electric Company ("PG&E") submits this 2017 Energy Resource Recovery Account ("ERRA") and Generation Non-Bypassable Charges Forecast and Greenhouse Gas Forecast Revenue and Reconciliation Application ("Application") requesting that the Commission: (1) adopt PG&E's forecasted 2017 energy procurement revenue requirements to become effective in rates on January 1, 2017; (2) adopt PG&E's proposed forecasted electric sales for 2017; (3) adopt PG&E's forecast of greenhouse gas ("GHG") revenues, revenue return, and administrative and customer outreach costs for 2017 and approve PG&E's 2015 GHG administrative and customer outreach costs as

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<sup>&</sup>lt;sup>1</sup> All statutory references in this Application are to the California Public Utilities Code unless otherwise noted.

reasonable; (4) retire the negative indifference amounts associated with pre-2009 Direct Access ("DA") customers for California Department of Water Resources ("DWR") contract costs; and (5) adopt PG&E's proposal for a formal process for including Community Choice Aggregation ("CCA") load forecasts in future ERRA Forecast applications. A summary of these requests is included below and a more detailed discussion is included in Section III of this Application

First, PG&E requests that the Commission adopt its 2017 ERRA forecast revenue requirement of \$3,757.0 million, Ongoing Competition Transition Charge ("CTC") forecast revenue requirement of \$100.0 million, Power Charge Indifference Adjustment ("PCIA") forecast revenue requirement of \$219.7 million, and Cost Allocation Mechanism ("CAM") revenue requirement of \$219.0 million. These forecast revenue requirements total \$4,295.7 million for procurement related costs, as indicated in the table below:

	2017 Revenue Requirement Amount (in millions)	
1	ERRA Revenue Requirement	\$3,757.0
2	Ongoing CTC	\$100.0
3	PCIA	\$219.7
4	CAM	\$219.0
5	Total Revenue Requirement	\$4,295.7

PG&E will update the requested revenue requirements in its November Update.

Second, PG&E requests that the Commission adopt its 2017 electric sales forecast, which is provided in the Prepared Testimony that is being served concurrent with the filing of this Application, in Chapter 2, Table 2-3.

Third, PG&E requests that the Commission adopt the following GHG-related forecasts for 2017: (1) administrative and outreach expenses of \$1.295 million pertaining to implementation of GHG revenue return; (2) net forecast revenue return amount of \$311.7 million

and PG&E's proposal to return the revenue to customers in rates in 2017; and (3) 2017 semi-annual residential California Climate Credit amount of \$27.86, as indicated in the table below:

	GHG-Related Forecasts and Administrative and Outreach Expenses	Amount
1	GHG Administrative and Outreach Expenses	\$1.295 million
2	Net GHG revenue return	\$311.7 million
3	Semi-annual Residential California Climate Credit	\$27.86

Fourth, PG&E requests that the Commission find the 2015 recorded administrative and outreach expenses of \$1.084 million related to the 2015 GHG revenue return were reasonable.

Fifth, PG&E requests that the Commission retire the negative indifference amount associated with the now expired or terminated DWR contracts.

Finally, PG&E requests that the Commission adopt the process proposed in Chapter 2 of PG&E's Prepared Testimony for including CCA load forecasts in future ERRA Forecast Applications.

#### II. LEGAL AND REGULATORY BACKGROUND

#### A. ERRA

Section 454.5(d)(3) requires the Commission to:

Ensure timely recovery of prospective procurement costs incurred pursuant to an approved procurement plan. The commission shall establish rates based on forecasts of procurement costs adopted by the commission, actual procurement costs incurred, or combination thereof, as determined by the commission. The commission shall establish power procurement balancing accounts to track the differences between recorded revenues and costs incurred pursuant to an approved procurement plan. The commission shall review the power procurement balancing accounts, not less than semiannually, and shall adjust rates or order refunds, as necessary, to promptly amortize a balancing account, according to a schedule determined by the commission. Until January 1, 2006, the commission shall ensure

that any overcollection or undercollection in the power procurement balancing account does not exceed 5 percent of the electrical corporation's actual recorded generation revenues for the prior calendar year excluding revenues collected for the Department of Water Resources. The commission shall determine the schedule for amortizing the overcollection or undercollection in the balancing account to ensure that the 5 percent threshold is not exceeded. After January 1, 2006, this adjustment shall occur when deemed appropriate by the commission consistent with the objectives of this section.

In D.02-10-062, as modified by subsequent decisions, the Commission implemented this provision by ordering PG&E and California's other investor-owned utilities ("IOUs") to establish procurement-related balancing accounts, to be referred to as the Energy Resource Recovery Account.<sup>2</sup> These Commission decisions also established the regulatory framework for the utilities' annual ERRA forecast filings and expedited "trigger" applications.

The ERRA regulatory process includes two annual proceedings. The first, which PG&E files in February of each year, is an annual compliance proceeding to review the utility's compliance in the preceding year regarding energy resource contract administration, least-cost dispatch, fuel procurement, and the ERRA balancing account. PG&E filed its 2015 ERRA Compliance Application on February 29, 2016 (see Application 16-02-019).

The second ERRA application, which PG&E is to file by June 1 each year, is an annual forecast proceeding to adopt a forecast of PG&E's electric procurement cost revenue requirement and electricity sales for the coming year for rate-setting purposes. PG&E's last ERRA Forecast proceeding, for forecast year 2016, was Application 15-06-001, which was resolved by D.15-12-022.

In addition to the ERRA forecast and ERRA compliance proceedings, the Commission has also established an ERRA "trigger" mechanism to comply with Section 454.5(d)(3)'s

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<sup>&</sup>lt;sup>2</sup> D.02-10-062 at pp. 59-64.

requirement that "any overcollection or undercollection in the power procurement balancing account does not exceed 5 percent of the electrical corporation's actual recorded generation revenues for the prior calendar year excluding revenues collected for the Department of Water Resources." In D.04-01-050 the Commission ordered that an Advice Letter should be filed annually to calculate the threshold amount, with such filings to be made by April 1st of each year. PG&E's 2016 threshold amount (5 percent of PG&E's total generation revenues, excluding Departing of Water Resources) is \$368 million, as established via Advice Letter 4817-E, effective April 1, 2016.

Finally, in D.15-10-031, the Commission approved with modifications PG&E's 2014 Bundled Procurement Plan ("BPP") consistent with Section 454.5. PG&E filed its conformed BPP with the Commission in Advice Letter 4750-E. This advice letter is still pending at the Commission. PG&E's forecasted 2017 electric procurement activities are consistent with the BPP and are eligible for cost recovery.

#### B. GHG Revenue Return Forecast and Administrative Costs

The return of GHG allowance revenues to customers and the administrative and outreach costs associated with the allowance revenue return have been the subject of several proceedings at the Commission, including Rulemaking 11-03-012 and Application 14-05-025. In October 2014, the Commission issued a decision directing that recorded (actual) administrative and outreach expenses be reviewed for reasonableness in ERRA proceedings. In December 2014, the Commission approved PG&E's forecast for 2015 administrative and outreach costs for the

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<sup>&</sup>lt;sup>3</sup> *Id.* at pp. 64-66; *see also* D.15-05-008 (extending ERRA trigger mechanism).

<sup>&</sup>lt;sup>4</sup> D.04-01-050 at pp. 175-177.

 $<sup>\</sup>frac{5}{1}$  D.14-10-033 at pp. 26, 35.

GHG program allowance revenue returns.<sup>6</sup> PG&E is including in this Application its 2015 recorded administrative and outreach expenses for the GHG program to be reconciled with the previously approved 2015 forecast. PG&E is requesting that the Commission review these expenses for reasonableness.

The Commission also directed that PG&E's ERRA Forecast Application include forecasts for administrative and outreach expenses, GHG allowance revenue return amount, and Climate Credit amounts. PG&E has included in this Application its forecasts for each of these items and requests that the Commission adopt these forecasts in this proceeding.

Finally, in D.15-12-022, the Commission clarified that in future ERRA Forecast proceedings, PG&E should use the public GHG allowance proxy price to calculate the residential California Climate Credit. Therefore, in this Application, PG&E is requesting approval of a residential California Climate Credit that is based on a calculation that uses the public proxy price.

#### C. Agricultural Sales Forecast Information

In D.14-12-053, the Commission approved a stipulation between PG&E, the Agricultural Energy Consumers Association, and the California Farm Bureau Federation. <sup>9</sup> In the stipulation, PG&E agreed to include a summary description of agricultural sales forecast information in its testimony, and more detailed information regarding agricultural sales in its workpapers. Chapter 2 of PG&E's Prepared Testimony includes a summary description of PG&E's

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<sup>&</sup>lt;sup>6</sup> D.14-12-054 at p. 14.

<sup>&</sup>lt;sup>7</sup> D.14-10-033 at pp. 30-31.

<sup>&</sup>lt;sup>8</sup> D.15-12-022 at pp. 12-13.

<sup>&</sup>lt;sup>9</sup> See D.14-12-053, Attachment A.

agricultural sales forecast, and PG&E's workpapers include the more detailed agricultural sales information required by the stipulation.

#### D. New Items In PG&E's 2017 ERRA Forecast Application

Several new items have been added to this Application. First, consistent with D.15-12-022, PG&E is requesting authority to retire "the negative indifference amounts associated with the pre-2009 Direct Access customers . . .." The basis for PG&E's request is described in detail in Chapter 10 to PG&E's Prepared Testimony.

Second, in Rulemaking 14-07-002, Administrative Law Judge Simon directed PG&E and the other IOUs to "include in their ERRA forecast applications for 2017 the information regarding funding for the [Multifamily Affordable Housing Solar Roofs ("Multifamily")]

Program identified in this ruling, in the format set forth above." The requested information is provided in Chapter 14, Section B of PG&E's Prepared Testimony.

Third, in January 2015, the Commission approved PG&E's Solar Choice Programs (*i.e.*, the GTSR Programs) in D.15-01-051, and the program was officially launched in 2016. As described in more detail in Chapter 11, PG&E's 2017 requested revenue requirements in this proceeding have been adjusted for the costs associated with PG&E customers who enroll in the Solar Choice Programs.

Fourth, as the number of CCAs in PG&E's service territory continue to increase, it is important to establish a formal process for including CCA load forecasts in PG&E's ERRA Forecast Applications. In the past, because there were only one or two CCAs, PG&E informally

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<sup>10</sup> Id., OP 5.

<sup>&</sup>lt;sup>11</sup> Administrative Law Judge's Ruling (1) Adding Respondents and (2) providing Interim Direction to California Electric Utilities on Accounting for Funds for Implementation of Assembly Bill 693, issued March 18, 2016 in Rulemaking 14-07-002, OP 3.

reached out to these CCAs regarding load forecasts. However, as the number of CCAs increase, a more formal process, including specific timelines, would be helpful for both PG&E and the CCAs. In Chapter 2 of its Prepared Testimony, PG&E is proposing a formalized process for future ERRA Forecast Applications to work with CCAs to obtain load forecasts, including specific dates on which information needs to be provided. PG&E requests that the Commission approve the proposed process in this proceeding so that it can be implemented for the 2018 ERRA Forecast Application, which will be filed June 1, 2017.

Finally, in PG&E's 2016 ERRA Forecast proceeding (A.15-06-001), a number of parties expressed an interest in having a third-party review or audit of PG&E's calculation of non-bypassable charges to ensure the calculations were consistent with Commission decisions and approved methodologies. The Commission and Commission Staff already have authority to conduct an audit of PG&E's calculation of non-bypassable charges. PG&E is also open to a review and audit of its calculation of non-bypassable charges by a third party, subject to approved confidentiality rules, to ensure the calculations are consistent with Commission decisions and approved methodologies.

#### III. DESCRIPTION OF PG&E'S REQUESTS IN THIS APPLICATION

#### A. ERRA Request

The ERRA records energy procurement costs associated with serving bundled customers. These costs include contracted resource costs, fuel costs for PG&E-owned and contracted generation, Qualifying Facility ("QF") and purchased power costs, and other electric procurement costs such as natural gas hedging and collateral costs and GHG compliance costs associated with the Assembly Bill ("AB") 32 cap-and-trade program. The Ongoing CTC forecast revenue requirement consists of the above-market costs associated with eligible

contracts entered into before December 20, 1995, and QF contract restructuring costs. Ongoing CTC costs are recorded in the Modified Transition Cost Balancing Account ("MTCBA").

Related to the Ongoing CTC is the PCIA, which is applicable to departing load customers that are responsible for a share of PG&E's new generation resource commitments. The PCIA is intended to ensure that the departing load customers pay their share of the above-market portion of new generation resource costs, and that bundled customers remain indifferent to customer departures.

The CAM was originally authorized in D.06-07-029, and the methodology by which it was to be calculated was determined by D.07-09-044 which approved specific guidelines to be used to develop the CAM revenue requirement and resulting rate, and provides for a true-up of this rate to actual costs. <sup>12</sup> Under the CAM, certain costs and benefits are allocated among all load serving entities in a utility's service territory. The CAM charge was first included in forecast year 2012, as a result of a settlement agreement on outstanding policy issues related to QF and Combined Heat and Power ("CHP") generation. For the 2017 forecast, the CAM includes CHP procurement authorized under the settlement agreement and one additional resource, which was authorized for CAM treatment in D.10-07-045. The CAM is recovered through the New System Generation Rate Balancing Account ("NSGBA").

PG&E requests that the Commission adopt its 2017 ERRA forecast revenue requirement of \$3,757.0 million, Ongoing CTC forecast revenue requirement of \$100.0 million, PCIA forecast revenue requirement of \$219.7 million, and CAM revenue requirement of \$219.0 million. These forecast revenue requirements total \$4,295.7 million for procurement related costs.

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<sup>12</sup> The CAM was modified by the Commission in D.11-05-005.

Consistent with past ERRA forecast proceedings, PG&E proposes to update its 2017 ERRA, Ongoing CTC, PCIA, and CAM forecast revenue requirements in early November 2016 ("November Update") to reflect market conditions close to the time when 2017 rates go into effect and to revise the forecasted year-end 2016 ERRA, MTCBA, and NSGBA balances. The approved amounts will be consolidated with other approved electric revenue requirements and rate changes through the Annual Electric True-up ("AET") process later in 2016, to become effective in rates on January 1, 2017.

#### **B.** 2017 Electric Sales Forecast

PG&E requests that the Commission approve the electric sales forecast for 2017 included in Chapter 2, Table 2-3 of PG&E's Prepared Testimony.

#### C. GHG Request

The California Air Resources Board ("ARB") allocates GHG allowances to the California IOUs on behalf of IOU customers:

The utilities act as an intermediary by holding and then selling the allowances for ratepayer benefit; ARB prohibits the utilities from using the allowances for their own compliance obligation or their own benefit. The revenue from the sales of those GHG allowances is then returned to ratepayers and helps offset the increases in electricity costs that result from GHG compliance.<sup>13</sup>

In the Prepared Testimony accompanying this Application, PG&E has included its forecast of 2017 GHG allowance revenues and the methodology that PG&E will use to allocate these revenues to its customers.

PG&E requests that the Commission adopt the following GHG-related forecasts for 2017: (1) administrative and outreach expenses of \$1.295 million pertaining to implementation of GHG revenue return; (2) net forecast revenue return amount of \$311.7 million and PG&E's

 $<sup>\</sup>frac{13}{2}$  D.14-10-033 at p. 5.

proposal to return the revenue to customers in rates in 2017; and (3) 2017 semi-annual residential California Climate Credit amount of \$27.86. PG&E will update these forecasts in its November Update, as directed by the Commission in D.14-10-033. 14

PG&E also requests that the Commission find the 2015 recorded administrative and outreach expenses of \$1.084 million pertaining to implement of GHG revenue return were reasonable.

#### D. Retirement of Negative Indifference Amount

Pursuant to D.15-12-022, PG&E is requesting in this Application that the Commission authorize it to retire the DWR PCIA negative indifference amount associated with pre-2009 DA customers. The last DWR contract terminated in April 2015. As the Commission explained in D.07-05-005:

At the expiration of the DWR contract term, the applicability of the indifference requirement would also expire. In the event that there is any net cumulative negative indifference balance at the time the DWR contracts expire, that balance will not be credited to DA/DL customers. It will simply expire. 15

Because the last DWR contract has expired, it is now appropriate to retire the negative indifference amount consistent with the Commission's earlier determination. The history of the DWR PCIA and reason for the retirement is described in more detail in Chapter 10 of PG&E's Prepared Testimony.

#### **E.** CCA Load Forecasting Process

PG&E has included in Chapter 2 of its Prepared Testimony a proposal for including CCA load forecasts in future ERRA Forecast Applications. PG&E requests that the Commission

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<sup>&</sup>lt;sup>14</sup> See D.14-10-033 at pp. 31-33 (describing GHG allowance revenue information to be updated in November Update).

<sup>15</sup> See D.07-05-005, pp. 20-21; see also Finding of Fact 14.

approve this proposal so the CCA load forecast process can be used for PG&E's 2018 ERRA Forecast, to be filed June 1, 2017.

#### IV. OVERVIEW OF PREPARED TESTIMONY

PG&E's Prepared Testimony accompanying this Application consists of one exhibit (PG&E-1) which includes the following chapters:

Chapter	Title		
1	Introduction and Policy		
2	Sales and Peak Forecast		
3	Generation Resources and Cost Summary		
4	Fuel Costs for Utility-Owned Generation		
5	Qualifying Facility and Purchased Power Costs		
6	Procurement Costs: Post-2002 Contracted Resources, Residual Market Transactions, and Other Costs		
7	Greenhouse Gas Costs		
8	Hedging, Collateral and Green Tariff Share Renewables Program Costs		
9	Generation Non-Bypassable Charges		
10	Retirement of Negative Indifference Amount		
11	Revenue Requirements		
12	Greenhouse Gas Forecast Revenue and Reconciliation – Cost Calculations		
13	Greenhouse Gas Forecast Revenue and Reconciliation – Administrative and Outreach Expenses		
14	Greenhouse Gas Forecast Revenue and Reconciliation – Forecast and Distribution of Allowance Revenue Return		
15	Rate Proposal		

PG&E provides in Exhibit (PG&E-1) a public (redacted) version of its testimony, and also provides to appropriate parties a confidential (unredacted) version (PG&E-1-C) which is submitted under Sections 454.5(g) and 583. PG&E is concurrently submitting declarations

identifying the confidential material subject to protection under D.06-06-066, D.14-10-033 (which adopted confidentiality protections for GHG-related information), and General Order 66-C. 16

## V. INFORMATION REQUIRED BY THE COMMISSION'S RULES OF PRACTICE AND PROCEDURE

#### A. Statutory and Other Authority (Rule 2.1)

PG&E files this Application pursuant to Sections 451, 454, 454.5, and 701, the Commission's Rules of Practice and Procedure, and prior decisions, orders and resolutions of the Commission, including but not limited to Decisions 02-10-062, 02-12-074, 03-06-067, 03-06-076, 03-07-030, 04-01-050, 04-12-048, 05-01-031, 05-02-040, 06-07-030, 07-05-005, 07-12-052, 08-11-004, 12-01-033, 13-12-011, 14-10-033, 14-12-054, and 15-12-022.

#### B. Legal Name and Principal Place of Business (Rule 2.1(a))

The legal name of the Applicant is Pacific Gas and Electric Company. PG&E is a corporation organized under the State of California. PG&E's principal place of business is 77 Beale Street, San Francisco, California 94105.

#### C. Correspondence and Communications (Rule 2.1(b))

All correspondence, communications, and service of papers regarding this Application should be directed to:

Charles R. Middlekauff Law Department Pacific Gas and Electric Company P.O. Box 7442 (B30A) San Francisco, CA 94120 Telephone: (415) 973-6971

Facsimile: (415) 973-5520 E-Mail: CRMD@pge.com Paul Esformes Regulatory Affairs Pacific Gas and Electric Company P.O. Box 770000 (B9A) San Francisco, CA 94177 Telephone: (415) 973-7512 Facsimile: (415) 973-0942

Facsimile: (415) 973-0942 E-Mail: pxeg@pge.com

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 $<sup>\</sup>frac{16}{10}$  This is consistent with the Commission's direction in D.08-04-023.

#### D. Categorization, Hearings, And Issues To Be Considered (Rule 2.1(c))

#### 1. **Proposed Categorization**

PG&E proposes that this Application be categorized as a ratesetting proceeding.

#### 2. Need for Hearings

The need for hearings depends on the degree to which other parties contest the proposals and forecasts contained in this Application. While PG&E hopes to resolve the Application without hearings, PG&E's proposed schedule conservatively assumes that hearings may be necessary.

#### 3. Issues to Be Considered

The issues presented in this 2017 ERRA Forecast Application are as follows:

- 1. Should the Commission adopt PG&E's ERRA forecast revenue requirement of \$3,757.0 million?
- 2. Should the Commission adopt PG&E's Ongoing CTC forecast revenue requirement of \$100.0 million?
- 3. Should the Commission adopt PG&E's PCIA forecast revenue requirement of \$219.7 million?
- 4. Should the Commission adopt PG&E's CAM forecast revenue requirement of \$219.0 million?
- 5. Should the Commission adopt PG&E's electric sales forecast included in Table 2-3 in PG&E's Prepared Testimony?
- 6. Should the Commission adopt PG&E's net forecast GHG revenue return amount of \$311.7 million?
- 7. Should the Commission adopt PG&E's proposal to return the revenue to customers in rates in 2017?
- 8. Should the Commission adopt the semi-annual residential California Climate Credit amount of \$27.86?
- 9. Should the Commission adopt PG&E's forecast of 2017 administrative and outreach expenses of \$1.295 million pertaining to implementation of GHG revenue return?

- 10. Were PG&E's recorded 2015 administrative and outreach expenses of \$1.084 million reasonable?
- 11. Should the Commission approve PG&E's rate proposals associated with its proposed total electric procurement related revenue requirements to be effective in rates on January 1, 2017 contained in Tables 15-1 through 15-4 in Chapter 15 of PG&E's Prepared Testimony?
- 12. Should the Commission retire the negative indifference associated with pre-2009 Direct Access customers, as described in Chapter 10 of PG&E's Prepared Testimony?
- 13. Should the Commission approve the process proposed in Chapter 2 of PG&E's Prepared Testimony for obtaining load forecast information from CCAs for future ERRA Forecast Applications?

#### E. Procedural Schedule

PG&E proposes the following procedural schedule for this Application.

Date	Event
June 1, 2016	PG&E files ERRA Forecast Application
No later than June 8, 2016	Notice of Application appears in Daily Calendar
+ 30 days	Protests filed
+ 10 days	Reply filed
July 27, 2016	Prehearing Conference
August 12, 2016	Intervenor testimony served (if any)
August 29, 2016	Rebuttal testimony served (if any)
Early September	Hearings (if any)
September 19, 2016	Opening Briefs
October 3, 2016	Reply Briefs
November 2016	Proposed Decision
December 2016	Final Decision

#### F. Articles of Incorporation (Rule 2.2)

PG&E is, and since October 10, 1905, has been, an operating public utility corporation organized under California law. It is engaged principally in the business of furnishing electric and gas services in California. A certified copy of PG&E's Restated Articles of Incorporation,

effective April 12, 2004, was filed with the Commission on May 3, 2004 with PG&E's Application 04-05-005. These articles are incorporated herein by reference.

#### G. Authority to Increase Rates (Rule 3.2)

This Application does not request an increase in electric rates for bundled customers. However, the request in this Application will be updated in November and, depending on changes that occur as a result of market conditions, PG&E may request an increase at that time. Therefore, out of an abundance of caution, PG&E is providing material in this Application that complies with Rule 3.2. This Application is not a general rate increase application, so Rule 3.2(a) may apply (depending on the November Update) except for subsections (4), (7), (8), and (9).

#### H. Balance Sheet and Income Statement (Rule 3.2(a)(1))

Exhibit A of this Application presents PG&E's most current balance sheet and income statement for the period ending March 31, 2016.

#### I. Statement of Presently Effective Rates (Rule 3.2(a)(2))

Exhibit B of this Application presents PG&E's presently effective electric rates.

#### J. Statement of Proposed Increases or Changes In Rates (Rule 3.2(a)(3))

Exhibit C of this Application presents PG&E's proposed changes in electric rates.

#### K. Summary of Earnings (Rule 3.2(a)(5) and (a)(6))

A summary of recorded year 2014 revenues, expenses, rate cases and rate of return for PG&E's Electric Department was filed with the Commission on September 1, 2015, in Application 15-09-001 and is incorporated by reference.

#### L. Type of Rate Change Requested (Rule 3.2(a)(10))

The ERRA, Ongoing CTC, PCIA, and CAM rate changes sought in this Application only pass through to customers electric procurement costs and ongoing electric industry restructuring-

related transition costs, including non-bypassable charges. With regard to GHG, this Application seeks to return to customers GHG allowance revenues. Thus, the GHG portion of this Application is not a rate increase.

#### M. Notice to Governmental Entities (Rule 3.2(b))

Exhibit D presents the list of governmental entities, including the State of California and cities and counties served by PG&E, to whom PG&E will mail a notice stating in general terms the proposed revenues, rate changes, and ratemaking mechanisms requested in this Application, within twenty days after filing this Application.

#### N. Publication (Rule 3.2(d))

Within twenty days after filing this Application, PG&E will publish in newspapers of general circulation in each county in its service territory a notice of filing.

#### O. Notice to Customers (Rule 3.2(d))

Within 45 days of filing this Application, PG&E will include notices with the regular bills mailed and emailed to all customers affected by the proposed changes.

#### **P.** Safety (Rule 2.1(c))

In D.16-01-017, the Commission adopted an amendment to Rule 2.1(c) requiring Applications to clearly state "relevant safety considerations." The Commission has previously explained that the "safe and reliable provision of utilities at predictable rates promotes public safety" and that review of the ERRA Forecast Application "ensures that utilities use reasonable assumptions in arriving at the forecast and provide rate certainty to bundled customers." As demonstrated in this Application and the Prepared Testimony, PG&E's forecasts in this proceeding are based on testimony regarding 2017 procurement-related costs and the return of

<sup>&</sup>lt;sup>17</sup> D.14-12-053 at p. 13 (PG&E's 2015 ERRA Forecast application).

GHG allowance revenues, and Commission-approved methodologies for certain non-bypassable charges. PG&E is providing detailed testimony and workpapers supporting all of its 2017 cost and retail sales forecasts, its revenue requirements and rate proposals, and its request to recover 2015 GHG-related administration and outreach costs. PG&E's proposals in this proceeding will promote the safe and reliable provision of electric service and establish predictable rates for 2017, all of which will facilitate public safety.

#### VI. CONCLUSION

Wherefore, PG&E respectfully requests that the Commission issue an order in this ERRA Forecast Application to:

1. Adopt the following revenue requirements for 2017:

	2017 Revenue Requirement Amount (in millions)	
1	ERRA Revenue Requirement	\$3,757.0
2	Ongoing CTC	\$100.0
3	PCIA	\$219.7
4	CAM	\$219.0
5	Total Revenue Requirement	\$4,295.7

- 2. Adopt PG&E's 2017 electric sales forecast contained in Table 2-3 in PG&E's Prepared Testimony;
  - 3. Adopt the following GHG-related revenue forecasts for 2017:

	GHG-Related Forecasts and Administrative and Outreach Expenses	Amount
1	GHG Administrative and Outreach Expenses	\$1.295 million
2	Net GHG revenue return	\$311.7 million
3	Semi-annual Residential California Climate Credit	\$27.86

4. Approve PG&E's recorded 2015 administrative and outreach expenses of \$1.084

million as reasonable;

5. Approve PG&E's rate proposals associated with its proposed total electric

procurement related revenue requirements to be effective in rates on January 1, 2017 contained

in Tables 15-1 through 15-4 in Chapter 15 of PG&E's Prepared Testimony;

6. Authorize PG&E to retire the pre-2009 negative indifference amount described in

Chapter 10 of PG&E's Prepared Testimony;

7. Approve the process proposed in Chapter 2 of PG&E's Prepared Testimony for

obtaining load forecast information from CCAs for future ERRA Forecast Applications; and,

8. Grant such additional relief as the Commission may in its judgment deem proper.

Respectfully submitted,

ROBERT KENNEY

By: /s/Robert Kenney

ROBERT KENNEY

Vice President, CPUC Regulatory Relations

**CHARLES MIDDLEKAUFF** 

By: /s/ Charles Middlekauff

**CHARLES MIDDLEKAUFF** 

Pacific Gas and Electric Company

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Attorney for

PACIFIC GAS AND ELECTRIC COMPANY

Dated: June 1, 2016

#### **VERIFICATION**

I, Robert Kenney, say:

I am an officer of Pacific Gas and Electric Company, a corporation, and am authorized pursuant to Rule 2.1 and Rule 1.11 of the Rules of Practice and Procedure of the CPUC to make this Verification for and on behalf of said corporation, and I make this Verification for that reason. I have read the foregoing Application and I am informed and believe that the matters therein concerning Pacific Gas and Electric Company are true. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed at San Francisco, California, this 26<sup>th</sup> day of May, 2016.

/s/ Robert Kenney

ROBERT KENNEY
Vice President, CPUC Regulatory Relations

### Exhibit A

PG&E's Most Current Balance Sheet and Income Statement for the Period Ending March 31, 2016

## PACIFIC GAS AND ELECTRIC COMPANY CONDENSED CONSOLIDATED STATEMENTS OF INCOME

		(Unaudited) Three Months Ended March 31,		
(in millions)		2016 2015		
Operating Revenues				_
Electric	\$	3,132	\$	3,014
Natural gas		843		886
Total operating revenues		3,975		3,900
Operating Expenses				
Cost of electricity		950		1,000
Cost of natural gas		222		274
Operating and maintenance		2,011		1,923
Depreciation, amortization, and decommissioning		696		631
Total operating expenses		3,879		3,828
Operating Income		96	_	72
Interest income		4		1
Interest expense		(201)		(187)
Other income, net		24		26
Loss Before Income Taxes		(77)		(88)
Income tax benefit		(185)		(92)
Net Income		108		4
Preferred stock dividend requirement	rred stock dividend requirement 3		3	
Income Available for Common Stock	\$	105	\$	1

See accompanying Notes to the Condensed Consolidated Financial Statements.

## PACIFIC GAS AND ELECTRIC COMPANY CONDENSED CONSOLIDATED BALANCE SHEETS

	(Unaudited)			
			nce At	
	N	March 31,	Dec	ember 31,
(in millions)		2016		2015
ASSETS				
Current Assets				
Cash and cash equivalents	\$	44	\$	59
Restricted cash		234		234
Accounts receivable:				
Customers (net of allowance for doubtful accounts of \$55 and \$54				
at respective dates)		1,010		1,106
Accrued unbilled revenue		685		855
Regulatory balancing accounts		1,721		1,760
Other		353		284
Regulatory assets		504		517
Inventories:				
Gas stored underground and fuel oil		109		126
Materials and supplies		344		313
Income taxes receivable		204		130
Other		327		338
Total current assets	'	5,535	'	5,722
Property, Plant, and Equipment			·	
Electric		49,974		48,532
Gas		16,982		16,749
Construction work in progress		2,148		2,059
Total property, plant, and equipment	·	69,104		67,340
Accumulated depreciation		(21,060)		(20,617)
Net property, plant, and equipment		48,044		46,723
Other Noncurrent Assets				,
Regulatory assets		7,130		7,029
Nuclear decommissioning trusts		2,516		2,470
Income taxes receivable		153		135
Other		1,061		958
Total other noncurrent assets		10,860		10,592
TOTAL ASSETS	\$	64,439	\$	63,037

See accompanying Notes to the Condensed Consolidated Financial Statements.

## PACIFIC GAS AND ELECTRIC COMPANY CONDENSED CONSOLIDATED BALANCE SHEETS

	(Unaudited)			
	Balance At			
	N	Iarch 31,	Dec	ember 31,
(in millions, except share amounts)		2016		2015
LIABILITIES AND SHAREHOLDERS' EQUITY				
Current Liabilities				
Short-term borrowings	\$	693	\$	1,019
Long-term debt, classified as current		160		160
Accounts payable:				
Trade creditors		1,062		1,414
Regulatory balancing accounts		704		715
Other		646		418
Disputed claims and customer refunds		457		454
Interest payable		144		203
Other		1,906		1,750
Total current liabilities		5,772		6,133
Noncurrent Liabilities				
Long-term debt		16,174		15,577
Regulatory liabilities		6,486		6,321
Pension and other postretirement benefits		2,540		2,534
Asset retirement obligations		4,480		3,643
Deferred income taxes		9,605		9,487
Other		2,331		2,282
Total noncurrent liabilities		41,616		39,844
Commitments and Contingencies (Note 9)				
Shareholders' Equity				
Preferred stock		258		258
Common stock, \$5 par value, authorized 800,000,000 shares;				
264,374,809 shares outstanding at respective dates		1,322		1,322
Additional paid-in capital		7,280		7,215
Reinvested earnings		8,188		8,262
Accumulated other comprehensive income		3		3
Total shareholders' equity		17,051		17,060
TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY	\$	64,439	\$	63,037

See accompanying Notes to the Condensed Consolidated Financial Statements.

### Exhibit B

PG&E's Presently Effective Electric Rates

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE E-1			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	ES UNIT DISCOUNT (\$/UNIT/MONTH)	\$1.54	\$1.54	3
4	ET UNIT DISCOUNT (\$/UNIT/MONTH)	\$5.48	\$5.48	4
5	ES/ET MINIMUM RATE LIMITER (\$/KWH)	\$0.04892	\$0.04892	5
6	ENERGY (\$/KWH)			6
7	TIER 1	\$0.18212	\$0.18212	7
8	TIER 2	\$0.24090	\$0.24090	8
9	TIER 3	\$0.24090	\$0.24090	9
10	TIER 4	\$0.39999	\$0.39999	10
11	TIER 5	\$0.39999	\$0.39999	11
	***************************************	**********	*****	
12	SCHEDULE EL-1 (CARE)			12
13	MINIMUM BILL (\$/MONTH)	\$5.00	\$5.00	13
14	ENERGY (\$/KWH)			14
15	TIER 1	\$0.11933	\$0.11933	15
16	TIER 2	\$0.14726	\$0.14726	16
17	TIER 3	\$0.21669	\$0.21669	17
	***************************************	**********	******	

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE E-6 / EM-TOU			1
2 3	MINIMUM BILL (\$/MONTH) E-6 METER CHARGE (\$/MONTH)	\$10.00 \$7.70	\$10.00 \$7.70	2
4	ON-PEAK ENERGY (\$/KWH)			4
5	TIER 1	\$0.34166		5
6	TIER 2	\$0.40044		6
7	TIER 3	\$0.40044		7
8	TIER 4	\$0.55863		8
9	TIER 5	\$0.55863		9
10	PART-PEAK ENERGY (\$/KWH)			10
11	TIER 1	\$0.22639	\$0.17078	11
12	TIER 2	\$0.28517	\$0.22956	12
13	TIER 3	\$0.28517	\$0.22956	13
14	TIER 4	\$0.44336	\$0.38775	14
15	TIER 5	\$0.44336	\$0.38775	15
16	OFF-PEAK ENERGY (\$/KWH)			16
17	TIER 1	\$0.14961	\$0.15395	17
18	TIER 2	\$0.20840	\$0.21273	18
19	TIER 3	\$0.20840	\$0.21273	19
20	TIER 4	\$0.36658	\$0.37092	20
21	TIER 5	\$0.36658	\$0.37092	21
23	SCHEDULE EL-6 / EML-TOU MINIMUM BILL (\$/MONTH)	\$5.00	\$5.00	22 23
24	EL-6 METER CHARGE(\$/MONTH)	\$6.16	\$6.16	24
25	ON-PEAK ENERGY (\$/KWH)			25
26	TIER 1	\$0.23613		26
27	TIER 2	\$0.26514		27
28	TIER 3	\$0.38678		28
29	PART-PEAK ENERGY (\$/KWH)			29
30	TIER 1	\$0.15163	\$0.11087	30
31	TIER 2	\$0.18064	\$0.13986	31
32	TIER 3	\$0.26372	\$0.20436	32
33	OFF-PEAK ENERGY (\$/KWH)			33
34	TIER 1	\$0.09535	\$0.09852	34
35	TIER 2	\$0.12436	\$0.12752	35
36	TIER 3	\$0.18176	\$0.18638	36

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE E-7			1
2 3 4	MINIMUM BILL (\$/MONTH) E-7 METER CHARGE (\$/MONTH) RATE W METER CHARGE (\$/MONTH)	\$10.00 \$3.51 \$1.17	\$10.00 \$3.51 \$1.17	2 3 4
5	ON-PEAK ENERGY (\$/KWH)			5
6	TIER 1	\$0.37804	\$0.16354	6
7	TIER 2	\$0.43745	\$0.22294	7
8	TIER 3	\$0.43745	\$0.22294	8
9	TIER 4	\$0.59653	\$0.38203	9
10	TIER 5	\$0.59653	\$0.38203	10 11
11 12	OFF-PEAK ENERGY (\$/KWH) TIER 1	\$0.12989	\$0.13350	12
13	TIER 2	\$0.18929	\$0.19290	13
14	TIER 3	\$0.18929	\$0.19290	14
15	TIER 4	\$0.34838	\$0.35199	15
16	TIER 5	\$0.34838	\$0.35199	16
	***************************************	**********	******	
17	SCHEDULE EL-7			17
18	MINIMUM BILL (\$/MONTH)	\$5.00	\$5.00	18
19	EL-7 METER CHARGE(\$/MONTH)	\$0.00	\$0.00	19
20	ON-PEAK ENERGY (\$/KWH)			20
21	TIER 1	\$0.30985	\$0.12548	21
22	TIER 2	\$0.34099	\$0.15662	22
23	TIER 3	\$0.49415	\$0.22565	23
24	OFF-PEAK ENERGY (\$/KWH)			24
25	TIER 1	\$0.09656	\$0.09967	25
26	TIER 2	\$0.12770	\$0.13081	26
27	TIER 3	\$0.18353	\$0.18806	27
28	SCHEDULE E-8			28
29	CUSTOMER CHARGE (\$/MONTH)	\$12.53	\$12.53	29
30	ENERGY (\$/KWH)			30
31	TIER 1	\$0.18664	\$0.13601	31
32	TIER 2	\$0.22678	\$0.17615	32
33	TIER 3	\$0.22678	\$0.17615	33
34	TIER 4	\$0.38586	\$0.33522	34
35	TIER 5	\$0.38586	\$0.33522	35
	***************************************	***********	******	
36	SCHEDULE EL-8 (CARE)			36
37	CUSTOMER CHARGE (\$/MONTH)	\$10.02	\$10.02	37
38	ENERGY CHARGE (\$/KWH)			38
39	TIER 1	\$0.12251	\$0.08759	39
40	TIER 2	\$0.13759	\$0.10267	40
41	TIER 3	\$0.22132	\$0.17047	41
	*******************	************	*****	

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE E-9: RATE A			1
2	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	2
3	E-9 METER CHARGE (\$/MONTH)	\$6.66	\$6.66	3
4	ON-PEAK ENERGY (\$/KWH)			4
5	TIER 1	\$0.36600		5
6	TIER 2	\$0.42542		6
7 8	TIER 3 TIER 4	\$0.42542 \$0.61722		7 8
9	TIER 5	\$0.61722		9
10	PART-PEAK ENERGY (\$/KWH)	40.01722		10
11	TIER 1	\$0.15062	\$0.15050	11
12	TIER 2	\$0.21003	\$0.20989	12
13 14	TIER 3 TIER 4	\$0.21003	\$0.20989	13 14
15	TIER 5	\$0.40184 \$0.40184	\$0.40171 \$0.40171	15
16	OFF-PEAK ENERGY (\$/KWH)	ψ0.40104	ψ0.40111	16
17	TIER 1	\$0.08556	\$0.09550	17
18	TIER 2	\$0.14497	\$0.15490	18
19	TIER 3	\$0.14497	\$0.15490	19
20	TIER 4	\$0.25132	\$0.25132	20
21	TIER 5	\$0.25132	\$0.25132	21
	***************************************	*******	******	
22	SCHEDULE E-9: RATE B			22
23	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	23
24	E-9 METER CHARGE (\$/MONTH)	\$6.66	\$6.66	24
		*****	*****	
25	ON-PEAK ENERGY (\$/KWH)			25
26	TIER 1	\$0.36119		26
27	TIER 2	\$0.42061		27
28 29	TIER 3 TIER 4	\$0.42061 \$0.61241		28 29
30	TIER 5	\$0.61241		30
31	PART-PEAK ENERGY (\$/KWH)	****		31
32	TIER 1	\$0.14581	\$0.14623	32
33	TIER 2	\$0.20522	\$0.20562	33
34	TIER 3	\$0.20522	\$0.20562	34
35 36	TIER 4 TIER 5	\$0.39703	\$0.39745	35 36
37	OFF-PEAK ENERGY (\$/KWH)	\$0.39703	\$0.39745	37
38	TIER 1	\$0.09336	\$0.10250	38
39	TIER 2	\$0.15278	\$0.16190	39
40	TIER 3	\$0.15278	\$0.16190	40
41	TIER 4	\$0.34458	\$0.35373	41
42	TIER 5	\$0.34458	\$0.35373	42
	***************************************	*******	******	
43	SCHEDULE EV: RATE A			43
44	MINIMUM BILL (\$/MONTH)	\$10.00	\$10.00	44
44	WINNINGON BILL (\$\pi\nONTIT)	φ10.00	φ10.00	44
	ON-PEAK ENERGY (\$/KWH)	\$0.44401	\$0.31227	45
	PART-PEAK ENERGY (\$/KWH)	\$0.24156 \$0.11466	\$0.19043 \$0.11742	46 47
41	OFF-PEAK ENERGY (\$/KWH)	φυ. ι 1400	\$0.11742	47
	***************************************	*********	******	
48	SCHEDULE EV: RATE B			48
49	EV-B METER CHARGE (\$/MONTH)	\$1.50	\$1.50	49
50	ON-PEAK ENERGY (\$/KWH)	\$0.43754	\$0.30538	50
51	PART-PEAK ENERGY (\$/KWH)	\$0.23832	\$0.18698	51
	OFF-PEAK ENERGY (\$/KWH)	\$0.11419	\$0.11692	52

#### SMALL L&P RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE A-1			1
2 3	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.) CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$10.00 \$20.00	\$10.00 \$20.00	2 3
4	ENERGY (\$/KWH)	\$0.24274	\$0.18773	4
_	**************************************	**********	******	-
5	SCHEDULE A-1 TOU			5
6 7	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.) CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$10.00 \$20.00	\$10.00 \$20.00	6 7
8	ENERGY (\$/KWH)			8
9 10	ON-PEAK PART-PEAK	\$0.25806 \$0.23440	\$0.21477	9 10
11	OFF-PEAK ENERGY	\$0.20705	\$0.19386	11
	***************************************	********	******	
12	SCHEDULE A-6			12
	CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.)	\$10.00	\$10.00	13
14	CUSTOMER CHARGE: POLYPHASE (\$/MO.)	\$20.00	\$20.00	14
15	METER CHARGE (\$/MONTH)	\$6.12	\$6.12	15
16 17	METER CHARGE - RATE W (\$/MONTH) METER CHARGE - RATE X (\$/MONTH)	\$1.80 \$6.12	\$1.80 \$6.12	16 17
		<b>\$</b> 0.12	<b>40.12</b>	
18 19	ENERGY (\$/KWH) ON-PEAK	\$0.54900		18 19
20	PART-PEAK	\$0.25217	\$0.19840	20
21	OFF-PEAK ENERGY	\$0.18058	\$0.18016	21
	***************************************	*********	******	
22	SCHEDULE A-15			22
23	CUSTOMER CHARGE (\$/MONTH)	\$10.00	\$10.00	23
24	FACILITY CHARGE (\$/MONTH)	\$25.00	\$25.00	24
25	ENERGY (\$/KWH)	\$0.24274	\$0.18773	25
	***************************************	*********	*****	
26	SCHEDULE TC-1			26
27	CUSTOMER CHARGE (\$/MONTH)	\$10.00	\$10.00	27
28	ENERGY (\$/KWH)	\$0.18018	\$0.18018	28
	***************************************	********	*****	

#### MEDIUM L&P RATES

NO.		RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
	*************************************	*************	******	
1	SCHEDULE A-10			1
2	CUSTOMER CHARGE (\$/MONTH)	\$140.00	\$140.00	2
3	MAXIMUM DEMAND CHARGE (\$/KW/MO)			3
4	SECONDARY VOLTAGE	\$17.84	\$10.47	4
5	PRIMARY VOLTAGE	\$16.92	\$10.76	5
6	TRANSMISSION VOLTAGE	\$11.06	\$7.74	6
7	ENERGY CHARGE (\$/KWH)			7
8	SECONDARY VOLTAGE	\$0.15986	\$0.12302	8
9	PRIMARY VOLTAGE	\$0.15001	\$0.11933	9
10	TRANSMISSION VOLTAGE	\$0.11604	\$0.09777	10
	***************************************	***********	******	
11	SCHEDULE A-10 TOU			11
12	CUSTOMER CHARGE (\$/MONTH)	\$140.00	\$140.00	12
13	MAXIMUM DEMAND CHARGE (\$/KW/MO)			13
14	SECONDARY VOLTAGE	\$17.84	\$10.47	14
15	PRIMARY VOLTAGE	\$16.92	\$10.76	15
16	TRANSMISSION VOLTAGE	\$11.06	\$7.74	16
17	ENERGY CHARGE (\$/KWH)			17
18	SECONDARY			18
19	ON PEAK	\$0.21471		19
20	PARTIAL PEAK	\$0.15958	\$0.13090	20
21	OFF-PEAK	\$0.13151	\$0.11384	21
22	PRIMARY			22
23	ON PEAK	\$0.20292		23
24	PARTIAL PEAK	\$0.15236	\$0.12900	24
25	OFF-PEAK	\$0.12573	\$0.11312	25
26	TRANSMISSION			26
27	ON PEAK	\$0.16585		27
28	PARTIAL PEAK	\$0.11897	\$0.10718	28
29	OFF-PEAK	\$0.09367	\$0.09261	29

#### E-19 FIRM RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
	***************************************	*********	******	
1	SCHEDULE E-19 T FIRM			1
2	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$1,800.00	\$1,800.00	2
3	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$1,800.00	\$1,800.00	3
4	TOU METER CHARGE - RATES V & X (\$/MONTH)	\$140.00	\$140.00	4
5	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	5
6	DEMAND CHARGE (\$/KW/MONTH)			6
7	ON-PEAK	\$12.27		7
8	PARTIAL PEAK	\$3.08	\$0.00	8
9	MAXIMUM	\$8.63	\$8.63	9
10	ENERGY CHARGE (\$/KWH)			10
11	ON-PEAK	\$0,10134		11
12	PARTIAL-PEAK	\$0.08890	\$0.09085	12
13	OFF-PEAK	\$0.07242	\$0.07820	13
	************************	*********	******	
14	SCHEDULE E-19 P FIRM			14
	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$1,000.00	\$1,000.00	15
	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$1,000.00	\$1,000.00	16
	TOU METER CHARGE - RATE W. (\$/MONTH)	\$140.00 <b>\$140.00</b>	\$140.00 \$140.00	17 18
10	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	10
19	DEMAND CHARGE (\$/KW/MONTH)			19
20	ON-PEAK	\$16.68		20
21	PARTIAL PEAK	\$4.57	\$0.15	21
22	MAXIMUM	\$14.06	\$14.06	22
23	ENERGY CHARGE (\$/KWH)			23
24	ON-PEAK	\$0.13716		24
25	PARTIAL-PEAK	\$0.09920	\$0.09407	25
26	OFF-PEAK	\$0.07479	\$0.08082	26
	************************************	*******	*****	
27	SCHEDULE E-19 S FIRM			27
28	CUSTOMER CHARGE > 500 KW (\$/MONTH)	\$600.00	\$600.00	28
	CUSTOMER CHARGE < 500 KW (\$/MONTH)	\$600.00	\$600.00	29
	TOU METER CHARGE - RATES V & X (\$/MONTH)	\$140.00	\$140.00	30
31	TOU METER CHARGE - RATE W (\$/MONTH)	\$140.00	\$140.00	31
22	DEMAND CHARCE (\$/KM/MONTH)			22
32 33	DEMAND CHARGE (\$/KW/MONTH) ON-PEAK	\$18.74		32 33
34	PARTIAL PEAK	\$5.23	\$0.13	34
35	MAXIMUM	\$17.33	\$17.33	35
	ENERGY CHARGE (\$/KWH)	00.44700		36
37 38	ON-PEAK PARTIAL-PEAK	\$0.14726 \$0.10714	\$0.10165	37 38
39	OFF-PEAK	\$0.08057	\$0.08717	39
		<del></del>	***************************************	

#### E-20 FIRM RATES

LINE NO.		6/1/16 RATES	6/1/16 RATES	LINE
NO.	*******************	SUMMER	WINTER	NO.
1	SCHEDULE E-20 T FIRM			1
2	CUSTOMER CHARGE (\$/MONTH)-FIRM	\$2,000.00	\$2,000.00	2
3	DEMAND CHARGE (\$/KW/MONTH)			3
4	ON-PEAK	\$15.75		4
5	PARTIAL PEAK	\$3.75	\$0.00	5
6	MAXIMUM	\$7.40	\$7.40	6
7	ENERGY CHARGE (\$/KWH)			7
8	ON-PEAK	\$0.09672		8
9	PARTIAL-PEAK	\$0.08459	\$0.08650	9
10	OFF-PEAK	\$0.06854	\$0.07417	10
	***************************************	*********	******	
11	SCHEDULE E-20 P FIRM			11
12	CUSTOMER CHARGE (\$/MONTH)	\$1,500.00	\$1,500.00	12
13	DEMAND CHARGE (\$/KW/MONTH)			13
14	ON-PEAK	\$19.34		14
15	PARTIAL PEAK	\$5.17	\$0.13	15
16	MAXIMUM	\$14.45	\$14.45	16
	ENERGY CHARGE (\$/KWH)			17
18	ON-PEAK	\$0.13945		18
19	PARTIAL-PEAK	\$0.09920	\$0.09390	19
20	OFF-PEAK	\$0.07445	\$0.08053	20
	***************************************	********	*******	
21	SCHEDULE E-20 S FIRM			21
22	CUSTOMER CHARGE (\$/MONTH)	\$1,200.00	\$1,200.00	22
23	DEMAND CHARGE (\$/KW/MONTH)			23
24	ON-PEAK	\$18.14		24
25	PARTIAL PEAK	\$5.05	\$0.05	25
26	MAXIMUM	\$16.89	\$16.89	26
27	ENERGY CHARGE (\$/KWH)			27
28	ON-PEAK	\$0.13793		28
29	PARTIAL-PEAK	\$0.10141	\$0.09610	29
30	OFF-PEAK	\$0.07634	\$0.08252	30

#### OIL AND GAS EXTRACTION RATES

		6/1/16	6/1/16	
LINE		RATES	RATES	LINE
NO.		SUMMER	WINTER	NO.
	***************************************	*********	******	
1	SCHEDULE E-37			1
2	CUSTOMER CHARGE (\$/MONTH)	\$36.36	\$36.36	2
3	TOU METER CHARGE - RATE W (\$/MONTH)	\$1.20	\$1.20	3
4	TOU METER CHARGE - RATE X (\$/MONTH)	\$6.00	\$6.00	4
7	TOO METER OFFICE TRATE X (\$\pi\text{MONTH})	ψ0.00	Ψ0.00	7
5	ON PEAK DEMAND CHARGE (\$/KW/MO)	\$9.90		5
6	MAXIMUM DEMAND CHARGE (\$/KW/MO)			6
7	SECONDARY VOLTAGE	\$15.68	\$6.16	7
8	PRIMARY VOLTAGE DISCOUNT	\$1.70	\$0.19	8
9	TRANSMISSION VOLTAGE DISCOUNT	\$11.77	\$5.30	9
40	ENERGY (MICHAEL)			40
10 11	ENERGY (\$/KWH) ON-PEAK	<b>60 00000</b>		10 11
		\$0.20332		
12	PART-PEAK		\$0.10590	12
13	OFF-PEAK	\$0.08612	\$0.07795	13
			*******	

#### STANDBY RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE S - TRANSMISSION			1
2	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$1.46	\$1.46	2
3	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$1.46	\$1.46	3
4	ENERGY (\$/KWH)			4
5	ON-PEAK	\$0.12346		5
6	PART-PEAK	\$0.11049	\$0.11253	6
7	OFF-PEAK	\$0.09332	\$0.09935	7
	***************************************	*********	******	
8	SCHEDULE S - PRIMARY			8
9	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$5.38	\$5.38	9
10	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$5.38	\$5.38	10
11	ENERGY (\$/KWH)			11
12	ON-PEAK	\$0.62762		12
13	PART-PEAK	\$0.30657	\$0.17377	13
14	OFF-PEAK	\$0.14553	\$0.15265	14
	***************************************	*******	*****	
15	SCHEDULE S - SECONDARY			15
16	CONTRACT CAPACITY CHARGE (\$/KW/MO.)	\$5.38	\$5.38	16
17	EFFECTIVE RESERVATION CHARGE (\$/KW/MO.)	\$5.38	\$5.38	17
18	ENERGY (\$/KWH)			18
19	ON-PEAK	\$0.62665		19
20	PART-PEAK	\$0.30560	\$0.17280	20
21	OFF-PEAK	\$0.14456	\$0.15168	21
	***************************************	*******	*****	

#### STANDBY RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE S CUSTOMER AND METER CHARGES			1
2	RESIDENTIAL			2
3	CUSTOMER CHARGE (\$/MO)	\$5.00	\$5.00	3
4	TOU METER CHARGE (\$/MO)	\$3.90	\$3.90	4
5	AGRICULTURAL			5
6	CUSTOMER CHARGE (\$/MO)	\$27.60	\$27.60	6
7	TOU METER CHARGE (\$/MO)	\$6.00	\$6.00	7
	(, ,		,	
8	SMALL LIGHT AND POWER (less than or equal to 50 kW)			8
9	SINGLE PHASE CUSTOMER CHARGE (\$/MO)	\$20.00	\$20.00	9
10	POLY PHASE CUSTOMER CHARGE (\$/MO)	\$30.00	\$30.00	10
11	METER CHARGE (\$/MO)	\$6.12	\$6.12	11
12	MEDIUM LIGHT AND POWER (>50 kW, <500 kW)			12
13	CUSTOMER CHARGE (\$/MO)	\$140.00	\$140.00	13
14	METER CHARGE (\$/MO)	\$5.40	\$5.40	14
	NEDWALL AND DOWNER ( PARKET			
15 16	MEDIUM LIGHT AND POWER (>500kW) TRANSMISSION CUSTOMER CHARGE (\$/MO)	64 000 00	\$1,800.00	15 16
17	PRIMARY CUSTOMER CHARGE (\$/MO)	\$1,800.00 \$1.000.00	\$1,800.00	17
18	SECONDARY CUSTOMER CHARGE (\$/MO)	\$600.00	\$600.00	18
10	OLGONDANT GOOT GMERT GITARGE (WINIO)	φοσο.σσ	Ψ000.00	10
19	LARGE LIGHT AND POWER (> 1000 kW)			19
20	TRANSMISSION CUSTOMER CHARGE (\$/MO)	\$2,000.00	\$2,000.00	20
21	PRIMARY CUSTOMER CHARGE (\$/MO)	\$1,500.00	\$1,500.00	21
22	SECONDARY CUSTOMER CHARGE (\$/MO)	\$1,200.00	\$1,200.00	22
23	REDUCED CUSTOMER CHARGES (\$/MO)			23
24	SMALL LIGHT AND PWR ( < 50 kW)	\$7.75	\$7.75	24
25	MED LIGHT AND PWR (Res Capacity >50 kW and <500 kW)	\$28.91	\$28.91	25
26	MED LIGHT AND PWR (Res Capacity > 500 kW and < 1000 kW)	\$52.00	\$52.00	26

#### AGRICULTURAL RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE AG-1A			1
2	CUSTOMER CHARGE (\$/MONTH)	\$17.47	\$17.47	2
3	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$8.24	\$1.58	3
4	ENERGY CHARGE (\$/KWH)	\$0.27887	\$0.21300	4
5	SCHEDULE AG-RA	*******	******	5
6		\$17.47	\$17.47	6
7	CUSTOMER CHARGE - RATES A & D (\$/MONTH) METER CHARGE - RATE A (\$/MONTH)	\$6.80	\$6.80	7
8	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	8
9	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$7.30	\$1.21	9
10	ENERGY (\$/KWH)	<b>CO FOCOC</b>		10
11 12	ON-PEAK PART-PEAK	\$0.52686	\$0.18511	11 12
13	OFF-PEAK	\$0.18177	\$0.15073	13
	***************************************	*******	******	
14	SCHEDULE AG-VA			14
	,	\$17.47	\$17.47	15
16 17	METER CHARGE - RATE A (\$/MONTH) METER CHARGE - RATE D (\$/MONTH)	\$6.80 \$2.00	\$6.80 \$2.00	16 17
18	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$7.33	\$1.25	18
19	ENERGY (\$/KWH)			19
20	ON-PEAK	\$0.49272	00.40050	20
21 22	PART-PEAK OFF-PEAK	\$0.17868	\$0.18653 \$0.15139	21 22
	***************************************	*******************	******	
23	SCHEDULE AG-4A			23
24	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	24
25		\$6.80	\$6.80	25
26	METER CHARGE - RATE D (\$/MONTH)	\$2.00	\$2.00	26
27	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$8.19	\$1.24	27
28	ENERGY (\$/KWH)			28
29 30	ON-PEAK PART-PEAK	\$0.44011	\$0.19645	29 30
31	OFF-PEAK	\$0.18971	\$0.15804	31
	***************************************	*******	******	
32	SCHEDULE AG-5A			32
	CUSTOMER CHARGE - RATES A & D (\$/MONTH)	\$17.47	\$17.47	33
34 35	METER CHARGE - RATE A (\$/MONTH) METER CHARGE - RATE D (\$/MONTH)	\$6.80 \$2.00	\$6.80 \$2.00	34 35
30	WETER OFFICE - RATE D (MINIONTIT)	φ2.00	φ2.00	30
36	CONNECTED LOAD CHARGE (\$/KW/MONTH)	\$11.97	\$2.25	36
37	ENERGY (\$/KWH)	<b>60</b> 00070		37
38 39	ON-PEAK PART-PEAK	\$0.30373	\$0.16091	38 39
40	OFF-PEAK	\$0.15250	\$0.13524	40
	***************************************	*******	******	

#### PACIFIC GAS AND ELECTRIC COMPANY PRESENT ELECTRIC RATES AS OF JUNE 1, 2016 AGRICULTURAL RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE AG-1B	*********	******	1
2	CUSTOMER CHARGE (\$/MONTH)	\$23.23	\$23.23	2
3	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			3
4	SECONDARY VOLTAGE	\$11.98	\$2.43	4
5	PRIMARY VOLTAGE DISCOUNT	\$1.22	\$0.34	5
6	ENERGY CHARGE (\$/KWH)	\$0.23614	\$0.18220	6
_	***************************************	********	******	_
7	SCHEDULE AG-RB			7
8	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	8
9	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	9
10	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	10
11	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$3.72		11
12	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			12
13	SECONDARY VOLTAGE	\$9.86	\$2.00	13
14	PRIMARY VOLTAGE DISCOUNT	\$0.83	\$0.32	14
15	ENERGY CHARGE (\$/KWH)			15
16	ON-PEAK	\$0.47343		16
17	PART-PEAK		\$0.16025	17
18	OFF-PEAK	\$0.17106	\$0.13132	18
	***************************************	**********	******	
19	SCHEDULE AG-VB			19
	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	20
21	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	21
22	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	22
23	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$3.67		23
24	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			24
25	SECONDARY VOLTAGE	\$9.93	\$1.98	25
26	PRIMARY VOLTAGE DISCOUNT	\$0.89	\$0.31	26
27	ENERGY CHARGE (\$/KWH)			27
28	ON-PEAK	\$0.43828		28
29	PART-PEAK		\$0.15736	29
30	OFF-PEAK	\$0.16596	\$0.12944	30
	***************************************	*********	******	

#### AGRICULTURAL RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
	***************************************	********	******	
1	SCHEDULE AG-4B			1
2	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$23.23	\$23.23	2
3	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	3
4	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	4
5	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$5.11		5
6	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)			6
7	SECONDARY VOLTAGE	\$9.68	\$2.24	7
8	PRIMARY VOLTAGE DISCOUNT	\$1.02	\$0.35	8
9	ENERGY CHARGE (\$/KWH)			9
10	ON-PEAK	\$0.28322		10
11	PART-PEAK		\$0.15116	11
12	OFF-PEAK	\$0.15079	\$0.12669	12
	***************************************	*******	******	
13	SCHEDULE AG-4C			13
14	CUSTOMER CHARGE - RATES C & F (\$/MONTH)	\$65.44	\$65.44	14
15	METER CHARGE - RATE C (\$/MONTH)	\$6.00	\$6.00	15
16	METER CHARGE - RATE C (\$\(\pi\)MONTH)  METER CHARGE - RATE F (\$\(\pi\)MONTH)	\$1.20	\$1.20	16
10	WETER CHARGE - RATE F (\$/WONTH)	\$1.20	\$1.20	10
17	DEMAND CHARGE (\$/KW/MONTH)			17
18	ON-PEAK	\$12.25		18
19	PART-PEAK	\$2.35	\$0.57	19
20	MAXIMUM	\$5.17	\$2.50	20
21	PRIMARY VOLTAGE DISCOUNT	\$1.33	Ψ2.50	21
22	ON-PEAK	Ψ1.33	\$0.32	22
23	MAXIMUM		Ψ0.02	23
24	TRANSMISSION VOLTAGE DISCOUNT			24
25	ON-PEAK	\$6.48		25
26	PART-PEAK	\$1.35	\$0.57	26
27	MAXIMUM	\$0.25	\$1.73	27
28	ENERGY CHARGE (\$/KWH)			28
29	ON-PEAK	\$0.26183		29
30	PART-PEAK	\$0.15149	\$0.12571	30
31	OFF-PEAK	\$0.11298	\$0.10853	31
	***************************************	*********	******	
32	SCHEDULE AG-5B			32
33	CUSTOMER CHARGE - RATES B & E (\$/MONTH)	\$36.36	\$36.36	33
34	METER CHARGE - RATE B (\$/MONTH)	\$6.00	\$6.00	34
35	METER CHARGE - RATE E (\$/MONTH)	\$1.20	\$1.20	35
36	ON-PEAK DEMAND CHARGE (\$/KW/MONTH)	\$9.90		36
37	MAXIMUM DEMAND CHARGE (\$/KW/MONTH)	\$6.55		37
38	SECONDARY VOLTAGE	\$15.68	\$6.16	38
39	PRIMARY VOLTAGE DISCOUNT	\$1.70	\$0.19	39
40	TRANSMISSION VOLTAGE DISCOUNT	\$11.77	\$5.30	40
		*****	+	
41	ENERGY CHARGE (\$/KWH)			41
42	ON-PEAK	\$0.20332		42
43	PART-PEAK		\$0.10590	43
44	OFF-PEAK	\$0.08612	\$0.07795	44
	***************************************	*********	******	

#### AGRICULTURAL RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
1	SCHEDULE AG-5C			1
2	CUSTOMER CHARGE - RATES C & F (\$/MONTH)	\$161.58	\$161.58	2
3	METER CHARGE - RATE C (\$/MONTH)	\$6.00	\$6.00	3
4	METER CHARGE - RATE F (\$/MONTH)	\$1.20	\$1.20	4
5	DEMAND CHARGE (\$/KW/MONTH)			5
6	ON-PEAK	\$16.68		6
7	PART-PEAK	\$3.46	\$0.92	7
8	MAXIMUM	\$6.17	\$3.85	8
9	PRIMARY VOLTAGE DISCOUNT			9
10	ON-PEAK	\$2.47		10
11	MAXIMUM		\$0.26	11
12	TRANSMISSION VOLTAGE DISCOUNT			12
13	ON-PEAK	\$10.47		13
14	PART-PEAK	\$1.56	\$0.92	14
15	MAXIMUM	\$3.51	\$2.52	15
16	ENERGY CHARGE (\$/KWH)			16
17	ON-PEAK	\$0.15526		17
18	PART-PEAK	\$0.10553	\$0.09257	18
19	OFF-PEAK	\$0.08702	\$0.08416	19
	***************************************	**********	******	
20	SCHEDULE AG-ICE			20
21	CUSTOMER CHARGE (\$/MONTH)	\$40.00	\$40.00	21
22	METER CHARGE (\$/MONTH)	\$6.00	\$6.00	22
23	ON-PEAK DEMAND CHARGE (\$/KW/MO)	\$5.52		23
24	MAXIMUM DEMAND CHARGE (\$/KW/MO)			24
25	SECONDARY	\$6.59	\$0.00	25
26	PRIMARY	\$5.60	\$0.00	26
27	TRANSMISSION	\$2.40	\$0.00	27
28	ENERGY CHARGE (\$/KWH)			28
29	ON-PEAK	\$0.14879		29
30	PART-PEAK	\$0.11606	\$0.11903	30
31	OFF-PEAK	\$0.05952	\$0.05952	31
	***************************************	*********	******	

#### STREETLIGHTING RATES

LINE NO.		6/1/16 RATES SUMMER	6/1/16 RATES WINTER	LINE NO.
	***************************************	*******	*****	
1	SCHEDULE LS-1			1
2	ENERGY CHARGE (\$/KWH)	\$0.15712	\$0.15712	2
	***************************************	******	*****	
3	SCHEDULE LS-2			3
4	ENERGY CHARGE (\$/KWH)	\$0.15712	\$0.15712	4
	***************************************	*********	******	
5	SCHEDULE LS-3			5
6	SERVICE CHARGE (\$/METER/MO.)	\$6.00	\$6.00	6
7	ENERGY CHARGE (\$/KWH)	\$0.15712	\$0.15712	7
	***************************************	*******	******	
8	SCHEDULE OL-1			8
9	ENERGY CHARGE (\$/KWH)	\$0.16409	\$0.16409	9
	***************************************	*******	*****	

# Pacific Gas & Electric Company Rate Change 3/1/2016 ELECTRIC RATES FOR SCHEDULES LS-1, LS-2 AND OL-1

NOMINAL LAMP RATINGS

	AVERAGE				ALL N	NIGHT RATES PER	LAMP PER MONTH					HALF-HOUR ADJ	l.
LAMP	kWhr PER	INITIAL	SCHEDULE	LS-2			SCHEDULE	LS-1				LS-1 &	
WATTS	MONTH	LUMENS	A	С	Α	В	С	D	Е	F	0L-1	LS-2	0L-1
١	MERCURY VAPOR	LAMPS											
40	18	1,300	\$3.034									\$0.129	
50	22	1,650	\$3.663									\$0.157	
100	40	3,500	\$6.491	\$9.742	\$12.751		\$12.354					\$0.286	
175	68	7,500	\$10.890	\$14.141	\$17.150	\$16.551	\$16.753		\$19.954	\$18.565	\$17.624	\$0.486	\$0.507
250	97	11,000	\$15.447	\$18.698	\$21.707	\$21.108	\$21.310					\$0.693	
400	152	21,000	\$24.088	\$27.339	\$30.348	\$29.749	\$29.951				\$31.408	\$1.086	\$1.134
700	266	37,000	\$42.000	\$45.251	\$48.260	\$47.661	\$47.863					\$1.900	
1,000	377	57,000	\$59.440	\$62.691								\$2.692	
	INCANDESCENT L	AMPS											
58 92	20	600	\$3.348		\$9.608							\$0.143	
92	31	1,000	\$5.077	\$8.328	\$11.337							\$0.221	
189	65	2,500	\$10.419	\$13.670	\$16.679	\$16.080						\$0.464	
295	101	4,000	\$16.075	\$19.326	\$22.335	\$21.736						\$0.721	
405	139	6,000	\$22.046	\$25,297	\$28.306							\$0.993	
620	212	10,000	\$33.515	\$36.766								\$1.514	
860	294	15,000	\$46.399									\$2.100	
	LOW PRESSURE S VAPOR LAME	PS .											
35	21	4,800	\$3.506									\$0.150	
35 55 90	29	8,000	\$4.762									\$0.207	
90	45	13,500	\$7.276									\$0.321	
135	62	21,500	\$9.947									\$0.443	
180	78	33,000	\$12.461									\$0.557	

# Pacific Gas & Electric Company Rate Change 3/1/2016 ELECTRIC RATES FOR SCHEDULES LS-1, LS-2 AND OL-1

NU	MINAL LAMP HAT AVERAGE	INUS			ALL N	JIGHT BATES I	PER LAMP PER MONTH	1				HALF-HOUR AD	ı
LAMP	kWhr PER	INITIAL	SCHEDULE	LS-2	The term		SCHEDUL					LS-1 &	
WATTS	MONTH	LUMENS	Α	С	Α	В	С	D	E	F	0L-1	LS-2	0L-1
	HIGH PRESSURE VAPOR LAM AT 120 VOL	IPS											
35	15	2,150	\$2.563									\$0.107	
50 70	21	3,800	\$3,506									\$0.150	
	29 41	5,800	\$4.762	\$8.013	\$11.022		\$10.625	\$13.452	\$13.826	\$12.437	\$11.225	\$0.207	\$0.216
100	41	9,500	\$6.648	\$9.899	\$12.908		\$12.511	\$15.338	\$15.712	\$14.323	\$13.194	\$0.293	\$0.306
150	60	16,000	\$9.633	\$12.884	\$15.893		\$15.496	\$18.323	\$18.697	\$17.308		\$0.429	
200	80	22,000	\$12.776	**	\$19.036		\$18.639	\$21.466	\$21.840	\$20.451		\$0.571	
250	100	26,000	\$15.918		\$22.178		\$21.781	\$24.608	\$24.982	\$23.593		\$0.714	
400	154 AT 240 VOL		\$24.402		\$30.662		\$30.265	\$33.092	\$33.466	\$32.077		\$1.100	
50 70	24	3,800 5,800	\$3.977 \$5.548	 40.700	411.000			 414 220				\$0.171	
100	34 47	9,500	\$3.546 \$7.591	\$8.799 \$10.842	\$11.808 \$13.851		 \$13.454	\$14.238 \$16.281	\$16.655	 \$15.266		\$0.243 \$0.336	
150	69	16,000	\$11.047	\$14.298	\$17.307		\$16.910	\$19.737	\$20.111	\$18.722 _		\$0.493	
200	81	22,000	\$12.933	\$16.184	\$19.193		\$18.796	\$21.623	\$21.997	\$20.608	\$19.757	\$0.579	\$0.604
250	100	25,500	\$15.918	\$19.169	\$22.178		\$21.781	\$24.608	\$24.982	\$23.593	\$22.875	\$0.714	\$0.746
310	119	37,000	\$18.903	·	·							\$0.850	
360	144	45,000	\$22.831	. ==								\$1.028	<del></del>
400	154	46,000	\$24.402	\$27.653	\$30.662		\$30,265	\$33.092	\$33.466	\$32.077	\$31.736	\$1.100	\$1.149
70	METAL HALIDE I 30	LAMPS 5,500	\$4.920									\$0.214	
100	41	8,500	\$6.648									\$0.293	
150	63	13,500	\$10.105									\$0.450	
175	72	14,000	\$11.519									\$0.514	
250	105	20,500	\$16.704									\$0.750	
400	162	30,000	\$25.659									\$1.157	
1,000	387	90,000	\$61.011									\$2.764	
23	INDUCTION LAMP	⊃S 1,840	\$1.620									\$0.064	
23 35	13	2,450	\$2.249				••				••	\$0.064	
40	14	2,450 2,200	\$2.49 \$2.406									\$0.093 \$0.100	
50	18	3,500	\$2.406 \$3.034									\$0.100 \$0.129	
55	19	3,000	\$3.034 \$3.191									\$0.125 \$0.136	
65	24	5,525	\$3.977									\$0.171	
70	27	6,500	\$4.448									\$0.171	
80	28	4,500	\$4.605									\$0.133 \$0.200	
85	30	4,800 4,800	\$4.920									\$0.200 \$0.214	
100	36	8,000	\$5.862									\$0.214	
120	42	8,500	\$6.728				<u></u>					\$0.296	
135	48	9,450	\$7.748									\$0.343	
150	51	10,900	\$8.219									\$0.364	
165	58	12,000	\$9.319									\$0.414	
200	72	19,000	\$11.519									\$0.514	
All LEDs now	on separate tab.												
	Energy	Rate @	\$0.15712 perkwh	LS-1 & LS-2									
		10=110	\$0.16409 perkwh	OL-1		F	Pole Painting Charge @	P	er Pole Per Month				
		12-Feb-16											

# Pacific Gas & Electric Company Rate Change 3/1/16 LIGHT EMITTING DIODE (LED) LAMPS TOTAL RATES (FACILITY + ENERGY CHGS)

NOMINA Lamp	L LAMP RATINGS Average kWh	ALL NIGHT RATES PER LAMP	HALF-HOUR	ILITY + ENE	ALL NIGHT RATES				
Watts	Per Month	PER MONTH	ADJUSTMENT			PER	R LAMP PER MONT	1	
		LS-2A	LS-1A, C, E, F & LS-2A		LS-1A	LS-1C	LS-1D	LS-1E	LS-1F
0.0-5.0	0.9	\$0.347	\$0.006		\$6.607	\$6.210	\$9.037	\$9.411	\$8.022
5.1-10.0	2.6	\$0.615	\$0.019		\$6.875	\$6.478	\$9.305	\$9.679	\$8.290
10.1-15.0 15.1-20.0	4.3 6.0	\$0.882	\$0.031		\$7.142	\$6.745	\$9.572	\$9.946	\$8.557
20.1-25.0	7.7	\$1.149 \$1.416	\$0.043 \$0.055		\$7.409 \$7.676	\$7.012 \$7.279	\$9.839 \$10.106	\$10.213 \$10.480	\$8.824 \$9.091
25.1-30.0	9.4	\$1.683	\$0.067		\$7.943	\$7.546	\$10.373	\$10.400	\$9.358
30.1-35.0	11.1	\$1.950	\$0.079		\$8.210	\$7.813	\$10.640	\$11.014	\$9.625
35.140.0	12.8	\$2.217	\$0.091		\$8.477	\$8.080	\$10.907	\$11.281	\$9.892
40.1-45.0	14.5	\$2.484	\$0.104		\$8.744	\$8.347	\$11.174	\$11.548	\$10.159
45.1-50.0 50.1-55.0	16.2 17.9	\$2.751	\$0.116		\$9.011	\$8.614	\$11.441	\$11.815	\$10.426
55.1-60.0	19.6	\$3.018 \$3.286	\$0.128 \$0.140		\$9.278 \$9.546	\$8.881 \$9.149	\$11.708 \$11.976	\$12.082 \$12.350	\$10.693 \$10.961
60.1-65.0	21.4	\$3.568	\$0.153		\$9.828	\$9.431	\$12.258	\$12.632	\$11.243
65.1-70.0	23.1	\$3.835	\$0.165		\$10.095	\$9.698	\$12.525	\$12.899	\$11.510
70.1-75.0	24.8	\$4.103	\$0.177		\$10.363	\$9.966	\$12.793	\$13.167	\$11.778
75.1-80.0	26.5	\$4.370	\$0.189		\$10.630	\$10.233	\$13.060	\$13.434	\$12.045
80.1-85.0 85.1-90.0	28.2 29.9	\$4.637	\$0.201		\$10.897	\$10.500	\$13.327	\$13.701	\$12.312
90.1-95.0	31.6	\$4.904 \$5.171	\$0.214 \$0.226		\$11.164 \$11.431	\$10.767 \$11.034	\$13.594 \$13.861	\$13.968 \$14.235	\$12.579 \$12.846
95.1-100.0	33.3	\$5.438	\$0.238		\$11.698	\$11.301	\$14.128	\$14.502	\$13.113
100.1-105.1	35.0	\$5.705	\$0.250		\$11.965	\$11.568	\$14.395	\$14.769	\$13.380
105.1-110.0	36.7	\$5.972	\$0.262		\$12.232	\$11.835	\$14.662	\$15.036	\$13.647
110.1-115.0	38.4	\$6.239	\$0.274		\$12.499	\$12.102	\$14.929	\$15.303	\$13.914
115.1-120.0 120.1-125.0	40.1 41.9	\$6.507 \$6.789	\$0.286		\$12.767 ¢13.049	\$12.370 \$12.652	\$15.197 ¢15.479	\$15.571 ¢15.953	\$14.182 \$14.464
120.1-125.0	43.6	\$6.789 \$7.056	\$0.299 \$0.311		\$13.049 \$13.316	\$12.652 \$12.919	\$15.479 \$15.746	\$15.853 \$16.120	\$14.464 \$14.731
130.1-135.0	45.3	\$7.324	\$0.324		\$13.584	\$13.187	\$16.014	\$16.388	\$14.999
135.1-140.0	47.0	\$7.591	\$0.336		\$13.851	\$13.454	\$16.281	\$16.655	\$15.266
140.1-145.0	48.7	\$7.858	\$0.348		\$14.118	\$13.721	\$16.548	\$16.922	\$15.533
145.1-150.0	50.4	\$8.125	\$0.360		\$14.385	\$13.988	\$16.815	\$17.189	\$15.800
150.1-155.0 155.1-160.0	52.1 53.8	\$8.392 \$8.659	\$0.372 \$0.384		\$14.652 \$14.919	\$14.255 \$14.522	\$17.082 \$17.349	\$17.456 \$17.723	\$16.067 \$16.334
160.1-165.0	55.5	\$8.926	\$0.396		\$15.186	\$14.789	\$17.616	\$17.723	\$16.601
165.1-170.0	57.2	\$9.193	\$0.409		\$15.453	\$15.056	\$17.883	\$18.257	\$16.868
170.1-175.0	58.9	\$9.460	\$0.421		\$15.720	\$15.323	\$18.150	\$18.524	\$17.135
175.1-180.0	60.6	\$9.727	\$0.433		\$15.987	\$15.590	\$18.417	\$18.791	\$17.402
180.1-185.0	62.4	\$10.010	\$0.446		\$16.270	\$15.873	\$18.700	\$19.074	\$17.685
185.1-190.0 190.1-195.0	64.1 65.8	\$10.277 \$10.544	\$0.458 \$0.470		\$16.537 \$16.804	\$16.140 \$16.407	\$18.967 \$19.234	\$19.341 \$19.608	\$17.952 \$18.219
195.1-200.0	67.5	\$10.812	\$0.482		\$17.072	\$16.675	\$19.502	\$19.876	\$18.487
200.1-205.0	69.2	\$11.079	\$0.494		\$17.339	\$16.942	\$19.769	\$20.143	\$18.754
205.1-210.0	70.9	\$11.346	\$0.506		\$17.606	\$17.209	\$20.036	\$20.410	\$19.021
210.1-215.0	72.6	\$11.613	\$0.519		\$17.873	\$17.476	\$20.303	\$20.677	\$19.288
215.1-220.0 220.1-225.0	74.3 76.0	\$11.880 \$12.147	\$0.531 \$0.543		\$18.140 \$18.407	\$17.743 \$18.010	\$20.570 \$20.837	\$20.944 \$21.211	\$19.555 \$19.822
225.1-230.0	77.7	\$12.414	\$0.555		\$18.674	\$18.277	\$21.104	\$21.478	\$20.089
230.1-235.0	79.4	\$12.681	\$0.567		\$18.941	\$18.544	\$21.371	\$21.745	\$20.356
235.1-240.0	81.1	\$12.948	\$0.579		\$19.208	\$18.811	\$21.638	\$22.012	\$20.623
240.1-245.0	82.9	\$13.231	\$0.592		\$19.491	\$19.094	\$21.921	\$22.295	\$20.906
245.1-250.0 250.1-255.0	84.6 86.3	\$13.498	\$0.604 \$0.616		\$19.758	\$19.361	\$22.188 \$22.455	\$22.562	\$21.173 \$21.440
255.1-260.0	88.0	\$13.765 \$14.033	\$0.629		\$20.025 \$20.293	\$19.628 \$19.896	\$22.723	\$22.829 \$23.097	\$21.440
260.1-265.0	89.7	\$14.300	\$0.641		\$20.560	\$20.163	\$22.990	\$23.364	\$21.975
265.1-270.0	91.4	\$14.567	\$0.653		\$20.827	\$20.430	\$23.257	\$23.631	\$22.242
270.1-275.0	93.1	\$14.834	\$0.665		\$21.094	\$20.697	\$23.524	\$23.898	\$22.509
275.1-280.0 280.1-285.0	94.8 96.5	\$15.101 \$15.368	\$0.677 \$0.689		\$21.361 \$21.628	\$20.964 \$21.231	\$23.791 \$24.058	\$24.165 \$24.432	\$22.776 \$23.043
285.1-290.0	98.2	\$15.635	\$0.701		\$21.825	\$21.231	\$24.325	\$24.432 \$24.699	\$23.310
290.1-295.0	99.9	\$15.902	\$0.713		\$22.162	\$21.765	\$24.592	\$24.966	\$23.577
295.1-300.0	101.6	\$16.169	\$0.726		\$22.429	\$22.032	\$24.859	\$25.233	\$23.844
300.1-305.0	103.4	\$16.452	\$0.738		\$22.712	\$22.315	\$25.142	\$25.516	\$24.127
305.1-310.0	105.1	\$16.719	\$0.751		\$22.979	\$22.582	\$25.409	\$25.783	\$24.394
310.1-315.0 315.1-320.0	106.8 108.5	\$16.986 \$17.254	\$0.763 \$0.775		\$23.246 \$23.514	\$22.849 \$23.117	\$25.676 \$25.944	\$26.050 \$26.318	\$24.661 \$24.929
320.1-325.0	110.2	\$17.521	\$0.775		\$23.781	\$23.384	\$26.211	\$26.585	\$25.196
325.1-330.0	111.9	\$17.788	\$0.799		\$24.048	\$23.651	\$26.478	\$26.852	\$25.463
330.1-335.0	113.6	\$18.055	\$0.811		\$24.315	\$23.918	\$26.745	\$27.119	\$25.730
335.1-340.0	115.3	\$18.322	\$0.823		\$24.582	\$24.185	\$27.012	\$27.386	\$25.997
340.1-345.0	117.0	\$18.589	\$0.836		\$24.849	\$24.452	\$27.279	\$27.653	\$26.264
345.1-350.0 350.1-355.0	118.7 120.4	\$18.856 \$19.123	\$0.848 \$0.860		\$25.116 \$25.383	\$24.719 \$24.986	\$27.546 \$27.813	\$27.920 \$28.187	\$26.531 \$26.798
355.1-360.0	122.1	\$19.390	\$0.872		\$25.650	\$25.253	\$28.080	\$28.454	\$27.065
360.1-365.0	123.9	\$19.673	\$0.885		\$25.933	\$25.536	\$28.363	\$28.737	\$27.348
365.1-370.0	125.6	\$19.940	\$0.897		\$26.200	\$25.803	\$28.630	\$29.004	\$27.615
370.1-375.0	127.3	\$20.207	\$0.909		\$26.467	\$26.070	\$28.897	\$29.271	\$27.882
375.1-380.0 380.1-385.0	129.0	\$20.474	\$0.921		\$26.734	\$26.337	\$29.164	\$29.538	\$28.149
380.1-385.0 385.1-390.0	130.7 132.4	\$20.742 \$21.009	\$0.933 \$0.946		\$27.002 \$27.269	\$26.605 \$26.872	\$29.432 \$29.699	\$29.806 \$30.073	\$28.417 \$28.684
390.1-395.0	134.1	\$21.009	\$0.958		\$27.289	\$27.139	\$29.966	\$30.073	\$20.004
395.1-400.0	135.8	\$21.543	\$0.970		\$27.803	\$27.406	\$30.233	\$30.607	\$29.218
				]	LED lights are	only applicable to			

## Exhibit C

## PG&E's Proposed Changes In Electric Rates

Table 1
Pacific Gas and Electric Company
Illustrative Revenue Increase and Class Average Rates
Wednesday, June 01, 2016

Proposed									
		Revenue		Present		Proposed			
Line		Increase		Rates		Rates		Percentage	Line
No.	<u>Customer Class</u>		(000's)		<u>(\$/kWh)</u>		(\$/kWh)	<u>Change</u>	No.
	Bundled Service*								
1	Residential	\$	(163,286)		0.19755	\$	0.19120	-3.2%	1
2	Small Commercial	\$	(52,560)	\$	0.22946	\$	0.22245	-3.1%	2
3	Medium Commercial	\$	(56,611)	\$	0.19940	\$	0.19211	-3.7%	3
4	Large Commercial	\$	(63,192)	\$	0.17322	\$	0.16649	-3.9%	4
5	Streetlights	\$	(1,782)	\$	0.16324	\$	0.15743	-3.6%	5
6	Standby	\$	(2,418)	\$	0.15323	\$	0.14850	-3.1%	6
7	Agriculture	\$	(39,007)	\$	0.17450	\$	0.16854	-3.4%	7
8	Industrial	\$	(60,198)	\$	0.13675	\$	0.13065	- <u>4.5</u> %	8
9	Total	\$	(439,054)	\$	0.18632	\$	0.17982	-3.5%	9
Direct Access and Community Choice Aggregation Service**									
10	Residential	\$	7,788	\$	0.13536	\$	0.13931	2.9%	10
11	Small Commercial	\$	1,767	\$	0.14544	\$	0.14811	1.8%	11
12	Medium Commercial	\$	4,950	\$	0.11434	\$	0.11774	3.0%	12
13	Large Commercial	\$	11,189	\$	0.08791	\$	0.09073	3.2%	13
14	Streetlights		21	\$	0.08474	, \$	0.08550	0.9%	14
15	Standby	\$	(2)	\$	0.07180	\$	0.07126	-0.8%	15
16	, Agriculture	\$	229	\$	0.14776	, \$	0.15029	1.7%	16
17	Industrial	\$	4,524	\$	0.05204	, \$	0.05276	1.4%	17
18	Total	\$ \$ \$ \$	30,464	\$	0.08446	\$	0.08656	2.5%	18
Departing Load***									
19	Residential	\$	(139)					-21.9%	19
20	Small Commercial	\$	(43)					-16.8%	20
21	Medium Commercial	\$	(114)					-15.7%	21
22	Large Commercial	۶ \$	(221)					-8.5%	22
23	Streetlights	\$ \$	, ,					-8.5% -3.7%	23
23	Streetiights	Ş	(0)					-3.7%	23

<sup>\*</sup> Customers who receive electric generation as well as transmission and distribution service from PG&E.

<sup>\*\*</sup> Customers who purchase energy from non-PG&E suppliers.

<sup>\*\*\*</sup> Customers who purchase their electricity from a non-utility supplier and receive transmission and distribution service from a publicly owned utility or municipality.

A rate comparison cannot be provided for Departed Load as the applicable rates vary by specific departed load customer categories and any average rate that could be derived, would not be representative of any particular departed load category.

### Exhibit D

List of governmental entities, including the State of California and cities and counties served by PG&E, to whom PG&E will mail a notice stating in general terms the proposed revenues, rate changes, and ratemaking mechanisms requested in this Application, within twenty days after filing this Application

#### SERVICE OF NOTICE OF APPLICATION

In accordance with Rule 3.2(b), Applicant will mail a notice to the following, stating in general terms its proposed change in rates.

#### State of California

To the Attorney General and the Department of General Services.

State of California Office of Attorney General 1300 I St Ste 1101 Sacramento, CA 95814

and

Department of General Services Office of Buildings & Grounds 505 Van Ness Avenue, Room 2012 San Francisco, CA 94102

#### **Counties**

To the County Counsel or District Attorney and the County Clerk in the following

#### counties:

Alameda Alpine Amador Butte Calaveras Colusa Contra Costa El Dorado Fresno Glenn Humboldt Kern	Mariposa Mendocino Merced Modoc Monterey Napa Nevada Placer Plumas Sacramento San Benito San Bernardino
Contra Costa	Nevada
El Dorado	Placer
Fresno	Plumas
Glenn	Sacramento
Humboldt	San Benito
Kern	San Bernardino
Kings	San Francisco
Lake	San Joaquin
Lassen	San Luis Obispo
Madera	San Mateo
Marin	Santa Barbara

Santa Clara Santa Cruz Shasta Sierra Siskiyou Solano Sonoma Stanislaus Sutter Tehama Trinity Tulare Tuolumne Yolo Yuba

#### **Municipal Corporations**

To the City Attorney and the City Clerk of the following municipal corporations:

Colusa Alameda Hanford Albany Concord Hayward Healdsburg **Amador City** Corcoran American Canyon Corning Hercules Anderson Corte Madera Hillsborough **Angels Camp** Cotati Hollister Cupertino Antioch Hughson Arcata Daly City Huron Arroyo Grande Danville Ione Arvin **Davis** Isleton Atascadero Del Rey Oakes Jackson Atherton Dinuba Kerman Atwater Dixon King City Dos Palos Kingsburg Auburn Avenal Dublin Lafayette Bakersfield Lakeport East Palo Alto Larkspur **Barstow** El Cerrito Belmont Elk Grove Lathrop Belvedere Emeryville Lemoore Escalon Benicia Lincoln Berkeley Eureka Live Oak **Biggs** Fairfax Livermore Blue Lake Fairfield Livingston Brentwood Ferndale Lodi Brisbane Firebaugh Lompoc Loomis Buellton Folsom Los Altos Burlingame Fort Bragg Calistoga Fortuna Los Altos Hills Campbell Foster City Los Banos Capitola Fowler Los Gatos Carmel Fremont Madera Ceres Fresno Manteca Chico Galt Maricopa Chowchilla Gilrov Marina Gonzales Citrus Heights Mariposa Clayton Grass Valley Martinez Clearlake Greenfield Marysville Cloverdale McFarland Gridley Grover Beach Mendota Clovis Coalinga Guadalupe Menlo Park Colfax Gustine Merced Colma Half Moon Bay Mill Valley

Millbrae Ridgecrest Sunnyvale
Milpitas Rio Dell Sutter Creek
Medeste Rio Viete Test

Modesto Rio Vista Taft Monte Sereno Ripon Tehama Riverbank Tiburon Monterey Moraga Rocklin Tracy Morgan Hill Rohnert Park Trinidad Morro Bay Roseville Turlock Mountain View Ross Ukiah Napa Sacramento Union City

NewarkSaint HelenaVacavilleNevada CitySalinasVallejoNewmanSan AnselmoVictorvilleNovatoSan BrunoWalnut CreekOakdaleSan CarlosWasco

OaklandSan FranciscoWaterfordOakleySan JoaquinWatsonvilleOrange CoveSan JoseWest Sacramento

San Juan Bautista Orinda Wheatland Orland San Leandro Williams San Luis Obispo Willits Oroville Pacific Grove San Mateo Willows Pacifica San Pablo Windsor Palo Alto San Rafael Winters Paradise San Ramon Woodland Parlier Sand City Woodside Yountville Sanger

Paso Robles Patterson Santa Clara Petaluma Santa Cruz Piedmont Santa Maria Pinole Santa Rosa Pismo Beach Saratoga Pittsburg Sausalito Placerville Scotts Valley Pleasant Hill Seaside Pleasanton Sebastopol

Pleasanton Sebastopol
Plymouth Selma
Point Arena Shafter
Portola Shasta Lake
Portola Valley Soledad
Rancho Cordova Solvang
Red Bluff Sonoma
Redding Sonora

Redwood City South San Francisco

Reedley Stockton Richmond Suisun City Yuba City