

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

Application of Pacific Gas and Electric
Company for Approval of Ratepayer
Funding to Perform Additional Seismic
Studies Recommended by the California
Energy Commission.

(U 39 E)

Application No. 10-01-__

APPLICATION OF PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)

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Dated: January 15, 2010

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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), Pacific Gas and Electric Company (PG&E) respectfully requests the Commission to approve funding to perform additional seismic studies in the area at and around Diablo Canyon Power Plant (DCPP or Diablo Canyon) recommended by the California Energy Commission (CEC) in the CEC's November 2008 report titled, "An Assessment of California's Nuclear Power Plants: AB 1632 Report" (AB 1632 Report).^{1/} Specifically, PG&E requests the Commission (1) find that PG&E should proceed with the CEC-recommended additional seismic studies and (2) authorize PG&E to establish a new balancing account to record and recover in rates the actual costs of those seismic studies, estimated at approximately \$16.73 million.

II. THE CEC'S AB 1632 REPORT

In 2006, the California legislature enacted Assembly Bill (AB) 1632 (Blakeslee, Chapter 722, Statutes of 2006), which was codified as Public Resources Code 25303. AB 1632 directed the CEC to: assess the potential vulnerability of California's largest baseload power plants, Diablo Canyon Power Plant and San Onofre Nuclear Generating Station (SONGS), to a major disruption due to a major seismic event or plant aging;

^{1/} <http://www.energy.ca.gov/2008publications/CEC-100-2008-009/CEC-100-2008-009-CMF.PDF>.

assess the impacts of such a major disruption on system reliability, public safety, and the economy; assess the costs and impacts from nuclear waste accumulating at these plants; evaluate other major issues related to the future role of these plants in the state's energy portfolio; and include the assessment in the CEC's "2008 Integrated Energy Policy Report Update" (2008 IEPR Update). In response to AB 1632, as part of its 2008 IEPR Update released in November 2008, the CEC issued the AB 1632 Report.

In PG&E's 2007 General Rate Case Decision, the Commission directed PG&E to address and incorporate the recommendations from the AB 1632 Report into its Diablo Canyon license renewal feasibility study. (D.07-03-044, Conclusion of Law No. 11.) PG&E will shortly file an application with the Commission addressing the Diablo Canyon license renewal feasibility study and will address the AB 1632 Report recommendations related to license renewal in that application. PG&E has filed this Application to address the CEC's recommendation that PG&E perform additional seismic studies using a specific technology because the estimated \$16.73 million cost of these additional seismic studies was not included in the cost estimates presented in the 2007 or 2011 General Rate Cases. PG&E seeks an expedited decision in this Application so that PG&E may proceed with the seismic studies as soon as possible, if the CPUC determines PG&E should proceed and approves PG&E's proposed ratemaking approach.

PG&E has an existing, ongoing commitment in connection with the operating licenses for Diablo Canyon issued by the Nuclear Regulatory Commission (NRC) to fund and implement a Long Term Seismic Program (LTSP). The purpose of the LTSP is to continuously study and update the state of knowledge regarding the seismic hazards affecting DCCP. The LTSP ensures that seismic hazards are continuously assessed by PG&E and the NRC and thus ensures the safe operation of Diablo Canyon. As the CEC and the NRC have repeatedly recognized, PG&E calls upon tremendous expertise, both internally and in the industry, to perform the data collection and analyses for the LTSP. PG&E is currently working on an update to the LTSP and has included the costs

associated with this effort (to be incurred after January 1, 2011) in its 2011 General Rate Case Application (A.09-12-020), filed on December 21, 2009. The current scope of the LTSP fully addresses PG&E's NRC commitment to continuously update the seismic hazards analysis at Diablo Canyon and ensures safe operations of the facility.

In its AB 1632 Report, the CEC acknowledged the studies PG&E plans to undertake pursuant to the LTSP, but recommended that PG&E undertake additional seismic studies. More specifically, the CEC recommended that PG&E use three dimensional (3-D) seismic reflection mapping and other advanced geophysical techniques to explore fault zones near DCP. While not part of the LTSP Update, if the CPUC determines in response to this Application that PG&E should proceed with the additional studies, the results will be integrated with PG&E's LTSP Update and will help further characterize the seismic hazard at Diablo Canyon. For example, the additional studies will examine the location and geometry (segmentation, length, width, and down dip) of fault zones near DCP and their rates of motion. PG&E estimates the total cost to implement these studies and investigations at \$16.73 million over a three year period from 2011 to 2013.

In this Application, PG&E proposes to proceed with the CEC-recommended additional seismic studies to the extent the Commission finds that PG&E should proceed and that the actual costs associated with the studies are authorized for full recovery in rates.

III. PG&E'S PLANNED SEISMIC STUDIES

A. Seismic Survey Design

As discussed in sections B and C below, PG&E proposes to undertake detailed on-shore (2-D) and off-shore (3-D) seismic surveys of the area surrounding DCP. The first step in the process is to carefully plan and design these surveys with the goal of optimizing the results for both the on-shore (2-D) and off-shore (3-D) profiling. There

are challenges to performing effective seismic surveys and it is therefore essential to carefully identify the areas to survey and to plan how the survey will be conducted. For example, there are areas where quality results may not be possible due to the presence of tightly folded and steeply dipping basement rocks that would not be well imaged by either 2-D or 3-D seismic survey techniques. In addition, the area around the “Shoreline fault zone” recently identified by the US Geological Survey (USGS) is located in shallow water and is not accessible by larger vessels used for marine surveys due to dense marine vegetation and submerged rocks.^{2/} Characterization of the “Shoreline fault zone” and areas that would not be well imaged due to the geology will therefore rely on other geophysical work (e.g., multi-beam echo sounding, magnetic and gravity surveys) and seismicity work (i.e., locating earthquakes) conducted as part of the LTSP Update.

The actual seismic line locations for the onshore 2-D survey will have to take into account road access, land ownership and environmental issues. Both the 2-D and 3-D surveys will be based on geologic models developed during the PG&E LTSP Update along with available on-shore and off-shore industry data. These data will be used to determine how best to image the features of interest and design the seismic data collection (e.g. geometry of seismic sources and receivers, the number and spacing of survey lines, etc.). Areas that have complex geology and dipping strata and or faults may require multiple or larger survey areas than those areas with flat layers and simple geometries.

^{2/} In 2008, ongoing PG&E and the U.S. Geological Survey studies indicated the possibility of a minor offshore fault. PG&E's immediate response was to evaluate possible safety implications by studying this potential fault in terms of our existing seismic analysis. The data shows that the fault is bounded by our existing seismic analysis; we believe that the result of any potential ground motions would be minor and have little, if any, impact on the plant. In 2009, the Nuclear Regulatory Commission conducted its own independent evaluation and concluded that potential seismic activity from the recently identified potential Shoreline Fault would be within the plant's existing station designs and does not represent a new challenge to plant operations. The Shoreline Fault will continue to be studied by PG&E, the USGS as well as the NRC as part of PG&E's Long Term Seismic Program activities.

The seismic survey design cost estimate is \$500,000. This includes the cost to purchase necessary industry seismic line information, reprocess the industry data, design the 2-D and 3-D surveys, and evaluate permit requirements and property access agreements.

B. Off-shore 3-D Seismic Surveys

Seismic imaging is a tool used by geologists and geophysicists to image subsurface geologic formations. Sound waves produced by pneumatic devices called “air guns,” or by other means, bounce off underground rock layers and are detected and recorded by ultra-sensitive instruments at the surface. The timing and intensity of these reflections are used to map the location of subsurface structures such as folds and faults. Sophisticated 3-D seismic surveys are based on a grid of closely spaced survey lines that create a high-definition three-dimensional picture of the subsurface geology. The result is similar to a CAT scan that covers hundreds of square miles and extends 10 or more miles into the earth. Interpretation of these data provides useful information that can help discern new geologic features and constrain uncertainties associated with known fault zones, including geometry (i.e., fault length, width and dip), location, and fault activity or slip rate. The effectiveness of the 3-D survey is largely dependent on how well the subsurface geology can be imaged.

PG&E proposes to conduct an off-shore 3-D seismic survey. The scope of this task will require acquisition of necessary State of California permits for seismic sources that exceed the 2-kilojoule energy limit, preparing an environmental impact report, renting and mobilizing an equipped ship and crew, conducting data collection over the defined off-shore survey area as well and data interpretation and integration. The LTSP Update has focused on using high resolution bathymetry, magnetic and gravity data, and existing 2-D seismic reflection lines to determine off-shore fault geometries, locations,

and slip rates. The results of the 3-D seismic survey will be integrated with these LTSP Update results.

The cost estimate for the off-shore surveys is \$11 million. This includes \$1 million for deployment (obtain permits, secure survey ship and crew, relocate the survey ship to the survey area) and \$10 million to perform the actual survey, which involves data collection, processing and interpretation (e.g., integrating results with other geological and geophysical data in a GIS platform) to characterize the earthquake fault zones. Costs are largely dependent on the size of the survey area that will be defined in the survey design phase. For our estimate, PG&E assumed a survey area of 400 square kilometers which roughly covers the area between Point Buchon and Point San Luis, and out beyond the Hosgri fault zone.

PG&E's ability to proceed with the off-shore studies is conditioned upon obtaining all required permits for the project, including permits from the State Lands Commission and the California Coastal Commission. The permitting process has the potential to delay the anticipated schedule for completion and increase the costs of performing the seismic surveys and studies. As discussed in section IV below, PG&E requests authority to recover its actual costs of conducting the surveys, including any increase in costs associated with the permitting process, including the costs of delay. In addition, it is possible that permits necessary to implement the additional seismic surveys and studies may not be granted at all. In such an event, PG&E would refund to customers any unspent funds collected in rates. The LTSP would continue in effect and fully satisfy NRC regulatory requirements and ensure Diablo Canyon's safe operation.

C. On-shore 2-D Seismic Surveys

As with the 3-D seismic imaging techniques, the two-dimensional (2-D) seismic survey is performed by bouncing sound waves off underground rock layers to reveal geologic structures. Unlike the dense spacing of 3-D surveys, 2-D surveys are recorded

along a single line to create a 2-D image or cross section, similar to an X-ray. By combining several 2-D images on parallel lines, a quasi 3-D image can be created. The sound waves or sources for the onshore 2-D surveys are created by using either small explosive charges in shallow “shot holes” or by large vehicles equipped with heavy plates that vibrate the ground. 2-D surveys are preferred over 3-D surveys onshore due to the increased difficulty and cost of deploying instruments in rugged terrain as well as land ownership and environmental issues. The scope of the LTSP Update did not include performing new 2-D seismic surveys. It included detailed (surface) mapping of the geomorphic, marine, and fluvial surfaces, and utilizing and interpreting existing reflection lines to provide evidence of fault geometry and slip rate.

PG&E proposes to conduct a series of onshore 2-D seismic surveys to image relevant geologic features in the area such as the Los Osos fault zone. As with the 3-D seismic survey, the on-shore surveys will require permitting for siting of shot points and seismic instrument deployment and PG&E’s ability to proceed with the 2-D survey is conditioned upon receiving all necessary approvals.

The cost estimate for the on-shore 2-D seismic surveys is \$2.03 million. This includes \$380,000 to deploy (obtain permits, set up survey lines, shot points, and observation locations) and \$1,645,000 to perform the actual survey, which includes data collection, processing, and interpretation. These costs are based on establishing up to four survey lines onshore with reasonable efforts to obtain land rights and necessary permits.

D. Ocean Bottom Seismometer (OBS) Installation

In addition to the seismic surveys, another advanced technique to explore fault zones near DCPD is to install OBS units that will more accurately locate offshore earthquakes (in conjunction with the existing on-shore seismometers). By combining earthquake locations with surface and subsurface geologic features, obtained through

other geological and geophysical data collection techniques such as the 3-D seismic surveys, PG&E will be able to more accurately image fault zones. This knowledge is useful to DCPD as calculated earthquake ground motions at the plant site that are used for assessing structures, systems, and components are largely dependent on the distance of an earthquake fault to the plant site facilities.

Currently, the only seismometers at DCPD are onshore, installed east of the fault zones of interest. PG&E proposes to purchase and install up to four OBS units offshore, on the west side of the known fault zones, to provide the critical seismological station coverage necessary to improve the quality of present earthquake monitoring locations. The earthquake location uncertainties will be reduced by having seismometers on both sides of the earthquake fault zones.

The total cost for purchasing and installing four OBS units is \$2.05 million. This includes \$1.51 million to manufacture and deliver the instrument packages and to obtain necessary permits for installation; and \$330,000 to install the OBS units offshore (determining best locations, having divers install at the predetermined locations, and providing maintenance over a 3-year period). PG&E will process data for all earthquakes during the three year period after OBS installation. There is a manual process to obtain raw data after an earthquake, integrate the data with onshore recordings, and determine the earthquake locations. This task is estimated at \$120,000. Modeling and data interpretation is estimated at \$90,000 over the three year period. The modeling involves determining the fault focal mechanisms (i.e., fault motions such as strike slip) and improving offshore velocity models. Data interpretation includes analyzing how the OBS data fit with current fault interpretations.

E. Project Management

In addition to the costs specific to the surveys and OBS installation, PG&E estimates \$1.15 million to manage and administer the project. This includes \$500,000 to

develop a final report, which will present figures that display the results of the surveys, and which will undergo vigorous internal and external review (e.g., NRC, PG&E external advisory board). The report will be integrated with the final LTSP Update report that will be the basis for adopting any appropriate changes to the tectonic model and seismic hazard at DCCP. In addition, PG&E estimates \$650,000 in additional labor and facilities resources over the three year period from 2011 to 2013 to: (1) provide technical guidance and review of outside consultant work, (2) ensure the work follows the established scope of the project, (3) utilize DCCP facilities and personnel for support during the 3-D and 2-D seismic surveys and (4) manage costs and schedule. These project management costs are not included in PG&E's 2011 General Rate Case Application (A.09-12-020) as they are specific to implementing the CEC recommendations from the AB 1632 Report.

IV. PG&E'S RATEMAKING PROPOSAL

PG&E requests the Commission to authorize PG&E to establish a Diablo Canyon Seismic Study Balancing Account (DCSSBA) to record and recover its actual costs of conducting the seismic studies. PG&E estimates that the expenses associated with the seismic studies will be \$16.73 million. PG&E proposes to commence recovery of costs over a three year period based upon the \$16.73 million estimate and annually to true-up its generation rates based upon actual costs as recorded in the DCSSBA. Costs to be recorded to the DCSSBA include costs for the activities described in Section III, which reflect PG&E's implementation of the CEC AB 1632 Report recommendation that PG&E perform additional seismic studies using 3-D seismic imaging. These costs are not reflected in any other PG&E proceeding, such as the 2011 General Rate Case. The annual estimates of expense for these additional seismic studies are shown below:

| | |
|------|-----------------|
| 2011 | \$2.63 Million |
| 2012 | \$11.78 Million |
| 2013 | \$2.32 Million |

PG&E proposes that the costs recorded to the DCSSBA be recovered in the Utility Generation Balancing Account (UGBA), or its successor, as part of the Annual Electric True-up (AET) for recovery through CPUC-jurisdictional rates.

PG&E will begin recovery of \$2.63 million, plus an allowance for Uncollectibles and Franchise Fees, in the UGBA starting on January 1, 2011. PG&E will track the difference between the \$2.63 million and the actual expenditures in the DCSSBA. In 2012, the amount to be collected in the UGBA will be revised to \$11.78 million, plus the balance in the DCSSBA at the end of 2011, and an allowance for Uncollectibles and Franchise Fees. In 2013, the amount collected in the UGBA will be revised to \$2.32 million, plus the balance in the DCSSBA at the end of 2012 and an allowance for Uncollectibles and Franchise Fees. Any amounts in the DCSSBA at the end of 2013 and subsequent years will be transferred to the UGBA annually as part of the Annual Electric True-up proceeding.

Amounts transferred to UGBA for recovery in rates will be collected in generation rates in the same manner as other generation revenue. New rates to include recovery of these costs will be designed based upon the then-current adopted methods for setting electric rates for generation revenue requirement changes.

V. THIS APPLICATION IS EXEMPT FROM CEQA REQUIREMENTS

The California Environmental Quality Act (CEQA) applies to projects that require discretionary approval from a governmental agency, unless exempted by statute or regulation. It is long established that the act of ratemaking by the Commission is exempt from CEQA review. As stated in the California Public Resources Code, the “establishment, modification, structuring, restructuring or approval of rates, tolls, fares, or other charges by public agencies” is exempt from CEQA.^{3/} Likewise, funding decisions are not “projects” subject to CEQA.^{4/}

^{3/} Public Resources Code section 21080(b)(8).

^{4/} See, *Citizens to Enforce CEQA v. City of Rohnert Park* (2005) 131 Cal.App.4th 1594, 1601.

VI. 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 and 701 of the Public Utilities Code of the State of California, the Commission's Rules of Practice and Procedure, and prior decisions, orders and resolutions of the Commission.

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's principal place of business is 77 Beale Street, San Francisco, California 94105.

C. Correspondence, Communications, and Service (Rule 2.1(b))

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

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D. Categorization, Hearings, Issues, and Schedule (Rule 2.1(c))

1. Proposed Categorization

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

2. Need for Hearings

No evidentiary hearing is needed to issue the relief sought. The issue presented can be fully addressed through Commission review of the information provided in this Application.

3. Issues to Be Considered

The issues to be considered in this Application are the following:

1. Whether the Commission should find that PG&E should proceed with, and recover the costs in rates of, performing the additional seismic studies recommended by the CEC in its AB 1632 Report.

2. Whether PG&E's ratemaking proposal for recovery in rates of its actual cost of performing the additional seismic studies, including establishment of a Diablo Canyon Seismic Study Balancing Account, is reasonable.

4. Procedural Schedule

PG&E believes that there are no issues requiring hearing associated with this Application and requests that it be processed on an expedited, *ex parte* basis.

E. 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.

F. Authority to Increase Rates (Rule 3.2)

This Application requests an increase in electric rates and is not a general rate increase application, so Rule 3.2 applies except for subsections (4), (6), (7), (8), and (9) of Rule 3.2(a).

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

PG&E's most current balance sheet and income statement were filed with the Commission on December 21, 2009, as part of PG&E's 2011 General Rate Case No. 09-12-020, and are incorporated herein by reference.

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

PG&E's presently effective electric rates are set forth in Exhibit A of this application.

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

This statement is not required since the proposed changes in revenues do not exceed one percent.

J. Summary of Earnings (Rule 3.2(a)(5))

PG&E's recorded year 2008 revenues, expenses, rate base, and rate of return for PG&E's Electric Department were filed with the Commission on December 21, 2009, as part of PG&E's 2011 General Rate case No. 09-12-020, and are incorporated herein by reference.

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

The rate changes sought in this Application reflect and pass through to customers only increased cost to PG&E for the services or commodities furnished by it.

L. Notice to Governmental Entities (Rule 3.2(b))

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 ten days of filing was filed with the Commission on December 21, 2009, as part of PG&E's 2011 General Rate Case No. 09-12-020, and is incorporated herein by reference.

M. Publication (Rules 3.2(c))

Within ten days of filing this Application PG&E will publish in newspapers of general circulation in each county in its service territory a notice of filing, and within ten days of publication PG&E will file proof of compliance.

N. Notice to Customers (Rule 3.2(d))

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

VII. CONCLUSION

Wherefore, PACIFIC GAS AND ELECTRIC COMPANY respectfully requests that the Commission issue an order:

1. Finding, on an expedited basis, that PG&E should proceed with the additional seismic studies recommended by the CEC in its AB 1632 Report;
2. Authorizing PG&E to recover in rates its actual costs associated with the additional seismic studies over the three-year period 2011-2013 as described in the Application; and

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VERIFICATION

I, the undersigned, say:

I am an officer of PACIFIC GAS AND ELECTRIC COMPANY, a corporation, and am authorized 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 am informed and believe that the matters contained therein are true and on that ground I allege that the matters stated herein are true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed at San Francisco, California, this 15th day of January, 2010.

/s/ Jane Yura

JANE YURA

VICE PRESIDENT – Regulation and Rates

Exhibit A

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

RESIDENTIAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|-------------------------------------|---------------------|---------------------|----------|
| 1 | SCHEDULE E-1 | | | 1 |
| 2 | MINIMUM BILL (\$/MONTH) | \$4.50 | \$4.50 | 2 |
| 3 | ES UNIT DISCOUNT (\$/UNIT/MONTH) | \$3.22 | \$3.22 | 3 |
| 4 | ET UNIT DISCOUNT (\$/UNIT/MONTH) | \$11.54 | \$11.54 | 4 |
| 5 | ES/ET MINIMUM RATE LIMITER (\$/KWH) | \$0.04892 | \$0.04892 | 5 |
| 6 | ENERGY (\$/KWH) | | | 6 |
| 7 | TIER 1 | \$0.11877 | \$0.11877 | 7 |
| 8 | TIER 2 | \$0.13502 | \$0.13502 | 8 |
| 9 | TIER 3 | \$0.27572 | \$0.27572 | 9 |
| 10 | TIER 4 | \$0.40577 | \$0.40577 | 10 |
| 11 | TIER 5 | \$0.47393 | \$0.47393 | 11 |
| 12 | SCHEDULE EL-1 (CARE) | | | 12 |
| 13 | MINIMUM BILL (\$/MONTH) | \$3.60 | \$3.60 | 13 |
| 14 | ENERGY (\$/KWH) | | | 14 |
| 15 | TIER 1 | \$0.08316 | \$0.08316 | 15 |
| 16 | TIER 2 | \$0.09563 | \$0.09563 | 16 |
| 17 | TIER 3 | \$0.09563 | \$0.09563 | 17 |
| 18 | TIER 4 | \$0.09563 | \$0.09563 | 18 |
| 19 | TIER 5 | \$0.09563 | \$0.09563 | 19 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

RESIDENTIAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|-----------------------------|---------------------|---------------------|----------|
| 1 | SCHEDULE E-6 | | | 1 |
| 2 | MINIMUM BILL (\$/MONTH) | \$4.50 | \$4.50 | 2 |
| 3 | E-6 METER CHARGE (\$/MONTH) | \$7.70 | \$7.70 | 3 |
| 4 | ON-PEAK ENERGY (\$/KWH) | | | 4 |
| 5 | TIER 1 | \$0.30142 | | 5 |
| 6 | TIER 2 | \$0.31765 | | 6 |
| 7 | TIER 3 | \$0.45818 | | 7 |
| 8 | TIER 4 | \$0.58808 | | 8 |
| 9 | TIER 5 | \$0.65614 | | 9 |
| 10 | PART-PEAK ENERGY (\$/KWH) | | | 10 |
| 11 | TIER 1 | \$0.14865 | \$0.10319 | 11 |
| 12 | TIER 2 | \$0.16488 | \$0.11942 | 12 |
| 13 | TIER 3 | \$0.30541 | \$0.25994 | 13 |
| 14 | TIER 4 | \$0.43531 | \$0.38984 | 14 |
| 15 | TIER 5 | \$0.50337 | \$0.45791 | 15 |
| 16 | OFF-PEAK ENERGY (\$/KWH) | | | 16 |
| 17 | TIER 1 | \$0.08700 | \$0.09112 | 17 |
| 18 | TIER 2 | \$0.10324 | \$0.10736 | 18 |
| 19 | TIER 3 | \$0.24376 | \$0.24788 | 19 |
| 20 | TIER 4 | \$0.37366 | \$0.37778 | 20 |
| 21 | TIER 5 | \$0.44173 | \$0.44585 | 21 |
| ***** | | | | |
| 22 | SCHEDULE EL-6 | | | 22 |
| 23 | MINIMUM BILL (\$/MONTH) | \$3.60 | \$3.60 | 23 |
| 24 | EL-6 METER CHARGE(\$/MONTH) | \$6.16 | \$6.16 | 24 |
| 25 | ON-PEAK ENERGY (\$/KWH) | | | 25 |
| 26 | TIER 1 | \$0.20776 | | 26 |
| 27 | TIER 2 | \$0.22023 | | 27 |
| 28 | TIER 3 | \$0.22023 | | 28 |
| 29 | TIER 4 | \$0.22023 | | 29 |
| 30 | TIER 5 | \$0.22023 | | 30 |
| 31 | PART-PEAK ENERGY (\$/KWH) | | | 31 |
| 32 | TIER 1 | \$0.10223 | \$0.07082 | 32 |
| 33 | TIER 2 | \$0.11470 | \$0.08329 | 33 |
| 34 | TIER 3 | \$0.11470 | \$0.08329 | 34 |
| 35 | TIER 4 | \$0.11470 | \$0.08329 | 35 |
| 36 | TIER 5 | \$0.11470 | \$0.08329 | 36 |
| 37 | OFF-PEAK ENERGY (\$/KWH) | | | 37 |
| 38 | TIER 1 | \$0.05964 | \$0.06249 | 38 |
| 39 | TIER 2 | \$0.07211 | \$0.07496 | 39 |
| 40 | TIER 3 | \$0.07211 | \$0.07496 | 40 |
| 41 | TIER 4 | \$0.07211 | \$0.07496 | 41 |
| 42 | TIER 5 | \$0.07211 | \$0.07496 | 42 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

RESIDENTIAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--------------------------------|---------------------|---------------------|----------|
| 1 | SCHEDULE E-7 | | | 1 |
| 2 | MINIMUM BILL (\$/MONTH) | \$4.50 | \$4.50 | 2 |
| 3 | E-7 METER CHARGE (\$/MONTH) | \$3.51 | \$3.51 | 3 |
| 4 | RATE W METER CHARGE (\$/MONTH) | \$1.17 | \$1.17 | 4 |
| 5 | ON-PEAK ENERGY (\$/KWH) | | | 5 |
| 6 | TIER 1 | \$0.30631 | \$0.11936 | 6 |
| 7 | TIER 2 | \$0.30631 | \$0.11936 | 7 |
| 8 | TIER 3 | \$0.44726 | \$0.26030 | 8 |
| 9 | TIER 4 | \$0.57756 | \$0.39061 | 9 |
| 10 | TIER 5 | \$0.64583 | \$0.45888 | 10 |
| 11 | OFF-PEAK ENERGY (\$/KWH) | | | 11 |
| 12 | TIER 1 | \$0.09003 | \$0.09318 | 12 |
| 13 | TIER 2 | \$0.09003 | \$0.09318 | 13 |
| 14 | TIER 3 | \$0.23098 | \$0.23413 | 14 |
| 15 | TIER 4 | \$0.36128 | \$0.36443 | 15 |
| 16 | TIER 5 | \$0.42955 | \$0.43271 | 16 |
| 17 | BASELINE DISCOUNT (\$/KWH) | \$0.01679 | \$0.01679 | 17 |
| 18 | SCHEDULE EL-7 | | | 18 |
| 19 | MINIMUM BILL (\$/MONTH) | \$4.50 | \$4.50 | 19 |
| 20 | EL-7 METER CHARGE(\$/MONTH) | \$0.00 | \$0.00 | 20 |
| 21 | ENERGY (\$/KWH) | | | 21 |
| 22 | ON-PEAK | \$0.28372 | \$0.10472 | 22 |
| 23 | OFF-PEAK | \$0.07664 | \$0.07966 | 23 |
| 24 | BASELINE DISCOUNT (\$/KWH) | \$0.01559 | \$0.01559 | 24 |
| 25 | SCHEDULE E-8 | | | 25 |
| 26 | CUSTOMER CHARGE (\$/MONTH) | \$12.53 | \$12.53 | 26 |
| 27 | ENERGY (\$/KWH) | | | 27 |
| 28 | TIER 1 | \$0.12270 | \$0.07856 | 28 |
| 29 | TIER 2 | \$0.12270 | \$0.07856 | 29 |
| 30 | TIER 3 | \$0.26328 | \$0.21914 | 30 |
| 31 | TIER 4 | \$0.39325 | \$0.34910 | 31 |
| 32 | TIER 5 | \$0.46135 | \$0.41720 | 32 |
| 33 | SCHEDULE EL-8 (CARE) | | | 33 |
| 34 | CUSTOMER CHARGE (\$/MONTH) | \$10.02 | \$10.02 | 34 |
| 35 | ENERGY CHARGE (\$/KWH) | \$0.08624 | \$0.05234 | 35 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

RESIDENTIAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--------------------------------|---------------------|---------------------|----------|
| 1 | SCHEDULE E-A7 | | | 1 |
| 2 | MINIMUM BILL (\$/MONTH) | \$4.50 | \$4.50 | 2 |
| 3 | E-A7 METER CHARGE (\$/MONTH) | \$3.51 | \$3.51 | 3 |
| 4 | RATE Y METER CHARGE (\$/MONTH) | \$1.17 | \$1.17 | 4 |
| 5 | ON-PEAK ENERGY (\$/KWH) | | | 5 |
| 6 | TIER 1 | \$0.33648 | \$0.11853 | 6 |
| 7 | TIER 2 | \$0.33648 | \$0.11853 | 7 |
| 8 | TIER 3 | \$0.47743 | \$0.25948 | 8 |
| 9 | TIER 4 | \$0.60772 | \$0.38977 | 9 |
| 10 | TIER 5 | \$0.67600 | \$0.45805 | 10 |
| 11 | OFF-PEAK ENERGY (\$/KWH) | | | 11 |
| 12 | TIER 1 | \$0.08569 | \$0.09327 | 12 |
| 13 | TIER 2 | \$0.08569 | \$0.09327 | 13 |
| 14 | TIER 3 | \$0.22663 | \$0.23421 | 14 |
| 15 | TIER 4 | \$0.35693 | \$0.36451 | 15 |
| 16 | TIER 5 | \$0.42521 | \$0.43279 | 16 |
| 17 | BASELINE DISCOUNT (\$/KWH) | \$0.01679 | \$0.01679 | 17 |
| 18 | SCHEDULE EL-A7 | | | 18 |
| 19 | MINIMUM BILL (\$/MONTH) | \$4.50 | \$4.50 | 19 |
| 20 | EL-A7 METER CHARGE(\$/MONTH) | \$0.00 | \$0.00 | 20 |
| 21 | ON-PEAK ENERGY (\$/KWH) | \$0.31260 | \$0.10393 | 21 |
| 22 | OFF-PEAK ENERGY (\$/KWH) | \$0.07248 | \$0.07974 | 22 |
| 23 | BASELINE DISCOUNT (\$/KWH) | \$0.01559 | \$0.01559 | 23 |
| 24 | SCHEDULE E-9: RATE A | | | 24 |
| 25 | MINIMUM BILL (\$/MONTH) | \$4.50 | \$4.50 | 25 |
| 26 | E-9 METER CHARGE (\$/MONTH) | \$6.66 | \$6.66 | 26 |
| 27 | ON-PEAK ENERGY (\$/KWH) | | | 27 |
| 28 | TIER 1 | \$0.29583 | | 28 |
| 29 | TIER 2 | \$0.29583 | | 29 |
| 30 | TIER 3 | \$0.43677 | | 30 |
| 31 | TIER 4 | \$0.56707 | | 31 |
| 32 | TIER 5 | \$0.63535 | | 32 |
| 33 | PART-PEAK ENERGY (\$/KWH) | | | 33 |
| 34 | TIER 1 | \$0.10811 | \$0.10799 | 34 |
| 35 | TIER 2 | \$0.10811 | \$0.10799 | 35 |
| 36 | TIER 3 | \$0.24906 | \$0.24893 | 36 |
| 37 | TIER 4 | \$0.37935 | \$0.37922 | 37 |
| 38 | TIER 5 | \$0.44763 | \$0.44751 | 38 |
| 39 | OFF-PEAK ENERGY (\$/KWH) | | | 39 |
| 40 | TIER 1 | \$0.05140 | \$0.06006 | 40 |
| 41 | TIER 2 | \$0.05140 | \$0.06006 | 41 |
| 42 | TIER 3 | \$0.13824 | \$0.13824 | 42 |
| 43 | TIER 4 | \$0.18114 | \$0.18114 | 43 |
| 44 | TIER 5 | \$0.23548 | \$0.23548 | 44 |
| 45 | BASELINE DISCOUNT (\$/KWH) | \$0.01679 | \$0.01679 | 45 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

RESIDENTIAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|-----------------------------|---------------------|---------------------|----------|
| 1 | SCHEDULE E-9: RATE B | | | 1 |
| 2 | MINIMUM BILL (\$/MONTH) | \$4.50 | \$4.50 | 2 |
| 3 | E-9 METER CHARGE (\$/MONTH) | \$6.66 | \$6.66 | 3 |
| 4 | ON-PEAK ENERGY (\$/KWH) | | | 4 |
| 5 | TIER 1 | \$0.29164 | | 5 |
| 6 | TIER 2 | \$0.29164 | | 6 |
| 7 | TIER 3 | \$0.43259 | | 7 |
| 8 | TIER 4 | \$0.56288 | | 8 |
| 9 | TIER 5 | \$0.63116 | | 9 |
| 10 | PART-PEAK ENERGY (\$/KWH) | | | 10 |
| 11 | TIER 1 | \$0.10392 | \$0.10427 | 11 |
| 12 | TIER 2 | \$0.10392 | \$0.10427 | 12 |
| 13 | TIER 3 | \$0.24486 | \$0.24521 | 13 |
| 14 | TIER 4 | \$0.37516 | \$0.37551 | 14 |
| 15 | TIER 5 | \$0.44343 | \$0.44378 | 15 |
| 16 | OFF-PEAK ENERGY (\$/KWH) | | | 16 |
| 17 | TIER 1 | \$0.05820 | \$0.06616 | 17 |
| 18 | TIER 2 | \$0.05820 | \$0.06616 | 18 |
| 19 | TIER 3 | \$0.19914 | \$0.20710 | 19 |
| 20 | TIER 4 | \$0.32943 | \$0.33740 | 20 |
| 21 | TIER 5 | \$0.39771 | \$0.40567 | 21 |
| 22 | BASELINE DISCOUNT (\$/KWH) | \$0.01679 | \$0.01679 | 22 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

SMALL L&P RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--|---------------------|---------------------|----------|
| 1 | SCHEDULE A-1 | | | 1 |
| 2 | CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.) | \$9.00 | \$9.00 | 2 |
| 3 | CUSTOMER CHARGE: POLYPHASE (\$/MO.) | \$13.50 | \$13.50 | 3 |
| 4 | ENERGY (\$/KWH) | \$0.20171 | \$0.14543 | 4 |
| ***** | | | | |
| 5 | SCHEDULE A-6 | | | 5 |
| 6 | CUSTOMER CHARGE: SINGLE-PHASE (\$/MO.) | \$9.00 | \$9.00 | 6 |
| 7 | CUSTOMER CHARGE: POLYPHASE (\$/MO.) | \$13.50 | \$13.50 | 7 |
| 8 | METER CHARGE (\$/MONTH) | \$6.12 | \$6.12 | 8 |
| 9 | METER CHARGE - RATE W (\$/MONTH) | \$1.80 | \$1.80 | 9 |
| 10 | METER CHARGE - RATE X (\$/MONTH) | \$6.12 | \$6.12 | 10 |
| 11 | ENERGY (\$/KWH) | | | 11 |
| 12 | ON-PEAK | \$0.45853 | | 12 |
| 13 | PART-PEAK | \$0.20294 | \$0.16767 | 13 |
| 14 | OFF-PEAK ENERGY | \$0.11828 | \$0.12231 | 14 |
| ***** | | | | |
| 15 | SCHEDULE A-15 | | | 15 |
| 16 | CUSTOMER CHARGE (\$/MONTH) | \$9.00 | \$9.00 | 16 |
| 17 | FACILITY CHARGE (\$/MONTH) | \$20.00 | \$20.00 | 17 |
| 18 | ENERGY (\$/KWH) | \$0.20171 | \$0.14543 | 18 |
| ***** | | | | |
| 19 | SCHEDULE TC-1 | | | 19 |
| 20 | CUSTOMER CHARGE (\$/MONTH) | \$9.00 | \$9.00 | 20 |
| 21 | ENERGY (\$/KWH) | \$0.13774 | \$0.13774 | 21 |
| ***** | | | | |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

MEDIUM L&P RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|----------------------------------|---------------------|---------------------|----------|
| 1 | SCHEDULE A-10 | | | 1 |
| 2 | CUSTOMER CHARGE (\$/MONTH) | \$120.00 | \$120.00 | 2 |
| 3 | MAXIMUM DEMAND CHARGE (\$/KW/MO) | | | 3 |
| 4 | SECONDARY VOLTAGE | \$10.27 | \$5.86 | 4 |
| 5 | PRIMARY VOLTAGE | \$9.62 | \$5.33 | 5 |
| 6 | TRANSMISSION VOLTAGE | \$7.16 | \$3.41 | 6 |
| 7 | ENERGY CHARGE (\$/KWH) | | | 7 |
| 8 | SECONDARY VOLTAGE | \$0.14235 | \$0.10864 | 8 |
| 9 | PRIMARY VOLTAGE | \$0.13541 | \$0.10332 | 9 |
| 10 | TRANSMISSION VOLTAGE | \$0.11858 | \$0.09190 | 10 |
| 11 | SCHEDULE A-10 TOU | | | 11 |
| 12 | CUSTOMER CHARGE (\$/MONTH) | \$120.00 | \$120.00 | 12 |
| 13 | MAXIMUM DEMAND CHARGE (\$/KW/MO) | | | 13 |
| 14 | SECONDARY VOLTAGE | \$10.27 | \$5.86 | 14 |
| 15 | PRIMARY VOLTAGE | \$9.62 | \$5.33 | 15 |
| 16 | TRANSMISSION VOLTAGE | \$7.16 | \$3.41 | 16 |
| 17 | ENERGY CHARGE (\$/KWH) | | | 17 |
| 18 | SECONDARY | | | 18 |
| 19 | ON PEAK | \$0.16523 | | 19 |
| 20 | PARTIAL PEAK | \$0.14265 | \$0.11407 | 20 |
| 21 | OFF-PEAK | \$0.12921 | \$0.10328 | 21 |
| 22 | PRIMARY | | | 22 |
| 23 | ON PEAK | \$0.15607 | | 23 |
| 24 | PARTIAL PEAK | \$0.13596 | \$0.10763 | 24 |
| 25 | OFF-PEAK | \$0.12349 | \$0.09916 | 25 |
| 26 | TRANSMISSION | | | 26 |
| 27 | ON PEAK | \$0.13831 | | 27 |
| 28 | PARTIAL PEAK | \$0.11890 | \$0.09597 | 28 |
| 29 | OFF-PEAK | \$0.10733 | \$0.08798 | 29 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

E-19 FIRM RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|---|---------------------|---------------------|----------|
| 1 | SCHEDULE E-19 T FIRM | | | 1 |
| 2 | CUSTOMER CHARGE > 500 KW (\$/MONTH) | \$1,200.00 | \$1,200.00 | 2 |
| 3 | CUSTOMER CHARGE < 500 KW (\$/MONTH) | \$120.00 | \$120.00 | 3 |
| 4 | TOU METER CHARGE - RATES V & X (\$/MONTH) | \$5.40 | \$5.40 | 4 |
| 5 | TOU METER CHARGE - RATE W (\$/MONTH) | \$1.08 | \$1.08 | 5 |
| 6 | DEMAND CHARGE (\$/KW/MONTH) | | | 6 |
| 7 | ON-PEAK | \$9.16 | | 7 |
| 8 | PARTIAL PEAK | \$2.07 | \$0.00 | 8 |
| 9 | MAXIMUM | \$4.75 | \$4.75 | 9 |
| 10 | ENERGY CHARGE (\$/KWH) | | | 10 |
| 11 | ON-PEAK | \$0.11472 | | 11 |
| 12 | PARTIAL-PEAK | \$0.09267 | \$0.08467 | 12 |
| 13 | OFF-PEAK | \$0.07949 | \$0.07557 | 13 |
| 14 | SCHEDULE E-19 P FIRM | | | 14 |
| 15 | CUSTOMER CHARGE > 500 KW (\$/MONTH) | \$600.00 | \$600.00 | 15 |
| 16 | CUSTOMER CHARGE < 500 KW (\$/MONTH) | \$120.00 | \$120.00 | 16 |
| 17 | TOU METER CHARGE - RATES V & X (\$/MONTH) | \$5.40 | \$5.40 | 17 |
| 18 | TOU METER CHARGE - RATE W (\$/MONTH) | \$1.08 | \$1.08 | 18 |
| 24 | DEMAND CHARGE (\$/KW/MONTH) | | | 24 |
| 25 | ON-PEAK | \$11.89 | | 25 |
| 26 | PARTIAL PEAK | \$2.72 | \$0.87 | 26 |
| 27 | MAXIMUM | \$6.83 | \$6.83 | 27 |
| 28 | ENERGY CHARGE (\$/KWH) | | | 28 |
| 29 | ON-PEAK | \$0.15415 | | 29 |
| 30 | PARTIAL-PEAK | \$0.10498 | \$0.09075 | 30 |
| 31 | OFF-PEAK | \$0.08377 | \$0.07996 | 31 |
| 32 | AVERAGE RATE LIMIT (\$/KWH) | \$0.24092 | | 32 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

E-19 FIRM RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|---|---------------------|---------------------|----------|
| 1 | SCHEDULE E-19 S FIRM | | | 1 |
| 2 | CUSTOMER CHARGE > 500 KW (\$/MONTH) | \$412.50 | \$412.50 | 2 |
| 3 | CUSTOMER CHARGE < 500 KW (\$/MONTH) | \$120.00 | \$120.00 | 3 |
| 4 | TOU METER CHARGE - RATES V & X (\$/MONTH) | \$5.40 | \$5.40 | 4 |
| 5 | TOU METER CHARGE - RATE W (\$/MONTH) | \$1.08 | \$1.08 | 5 |
| 6 | DEMAND CHARGE (\$/KW/MONTH) | | | 6 |
| 7 | ON-PEAK | \$13.17 | | 7 |
| 8 | PARTIAL PEAK | \$3.02 | \$1.15 | 8 |
| 9 | MAXIMUM | \$7.97 | \$7.97 | 9 |
| 10 | ENERGY CHARGE (\$/KWH) | | | 10 |
| 11 | ON-PEAK | \$0.15463 | | 11 |
| 12 | PARTIAL-PEAK | \$0.10708 | \$0.09577 | 12 |
| 13 | OFF-PEAK | \$0.08766 | \$0.08480 | 13 |
| 14 | AVERAGE RATE LIMIT (\$/KWH) | \$0.24092 | | 14 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

E-20 FIRM RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|---------------------------------|---------------------|---------------------|----------|
| 1 | SCHEDULE E-20 T FIRM | | | 1 |
| 2 | CUSTOMER CHARGE (\$/MONTH)-FIRM | \$1,125.95 | \$1,125.95 | 2 |
| 3 | DEMAND CHARGE (\$/KW/MONTH) | | | 3 |
| 4 | ON-PEAK | \$11.12 | | 4 |
| 5 | PARTIAL PEAK | \$2.49 | \$0.00 | 5 |
| 6 | MAXIMUM | \$3.44 | \$3.44 | 6 |
| 7 | ENERGY CHARGE (\$/KWH) | | | 7 |
| 8 | ON-PEAK | \$0.10717 | | 8 |
| 9 | PARTIAL-PEAK | \$0.08669 | \$0.07927 | 9 |
| 10 | OFF-PEAK | \$0.07447 | \$0.07084 | 10 |
| | | | | |
| 11 | SCHEDULE E-20 P FIRM | | | 11 |
| 12 | CUSTOMER CHARGE (\$/MONTH) | \$1,000.00 | \$1,000.00 | 12 |
| 13 | DEMAND CHARGE (\$/KW/MONTH) | | | 13 |
| 14 | ON-PEAK | \$12.10 | | 14 |
| 15 | PARTIAL PEAK | \$2.80 | \$0.74 | 15 |
| 16 | MAXIMUM | \$6.68 | \$6.68 | 16 |
| 17 | ENERGY CHARGE (\$/KWH) | | | 17 |
| 18 | ON-PEAK | \$0.15123 | | 18 |
| 19 | PARTIAL-PEAK | \$0.10348 | \$0.08943 | 19 |
| 20 | OFF-PEAK | \$0.08286 | \$0.07899 | 20 |
| 21 | AVERAGE RATE LIMIT (\$/KWH) | \$0.23461 | | 21 |
| | | | | |
| 22 | SCHEDULE E-20 S FIRM | | | 22 |
| 23 | CUSTOMER CHARGE (\$/MONTH) | \$750.00 | \$750.00 | 23 |
| 24 | DEMAND CHARGE (\$/KW/MONTH) | | | 24 |
| 25 | ON-PEAK | \$12.78 | | 25 |
| 26 | PARTIAL PEAK | \$2.84 | \$1.15 | 26 |
| 27 | MAXIMUM | \$8.16 | \$8.16 | 27 |
| 28 | ENERGY CHARGE (\$/KWH) | | | 28 |
| 29 | ON-PEAK | \$0.14784 | | 29 |
| 30 | PARTIAL-PEAK | \$0.10324 | \$0.09267 | 30 |
| 31 | OFF-PEAK | \$0.08488 | \$0.08217 | 31 |
| 32 | AVERAGE RATE LIMIT (\$/KWH) | \$0.23461 | | 32 |
| | | | | |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

OIL AND GAS EXTRACTION RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--------------------------------------|---------------------|---------------------|----------|
| 1 | SCHEDULE E-37 | | | 1 |
| 2 | CUSTOMER CHARGE (\$/MONTH) | \$30.00 | \$30.00 | 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 |
| 5 | ON PEAK DEMAND CHARGE (\$/KW/MO) | \$7.61 | | 5 |
| 6 | MAXIMUM DEMAND CHARGE (\$/KW/MO) | | | 6 |
| 7 | SECONDARY VOLTAGE | \$11.07 | \$3.96 | 7 |
| 8 | PRIMARY VOLTAGE DISCOUNT | \$1.40 | \$0.13 | 8 |
| 9 | TRANSMISSION VOLTAGE DISCOUNT | \$8.13 | \$3.42 | 9 |
| 10 | ENERGY (\$/KWH) | | | 10 |
| 11 | ON-PEAK | \$0.17300 | | 11 |
| 12 | PART-PEAK | | \$0.08765 | 12 |
| 13 | OFF-PEAK | \$0.06966 | \$0.06222 | 13 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

STANDBY RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--|---------------------|---------------------|----------|
| | | | | |
| 1 | SCHEDULE S - TRANSMISSION | | | 1 |
| 2 | CONTRACT CAPACITY CHARGE (\$/KW/MO.) | \$0.85 | \$0.85 | 2 |
| 3 | EFFECTIVE RESERVATION CHARGE (\$/KW/MO.) | \$0.72 | \$0.72 | 3 |
| 4 | ENERGY (\$/KWH) | | | 4 |
| 5 | ON-PEAK | \$0.11995 | | 5 |
| 6 | PART-PEAK | \$0.10348 | \$0.09753 | 6 |
| 7 | OFF-PEAK | \$0.09367 | \$0.09073 | 7 |
| | | | | |
| 8 | SCHEDULE S - PRIMARY | | | 8 |
| 9 | CONTRACT CAPACITY CHARGE (\$/KW/MO.) | \$2.61 | \$2.61 | 9 |
| 10 | EFFECTIVE RESERVATION CHARGE (\$/KW/MO.) | \$2.22 | \$2.22 | 10 |
| 11 | ENERGY (\$/KWH) | | | 11 |
| 12 | ON-PEAK | \$0.30355 | | 12 |
| 13 | PART-PEAK | \$0.18786 | \$0.16551 | 13 |
| 14 | OFF-PEAK | \$0.14333 | \$0.14051 | 14 |
| | | | | |
| 15 | SCHEDULE S - SECONDARY | | | 15 |
| 16 | CONTRACT CAPACITY CHARGE (\$/KW/MO.) | \$2.62 | \$2.62 | 16 |
| 17 | EFFECTIVE RESERVATION CHARGE (\$/KW/MO.) | \$2.23 | \$2.23 | 17 |
| 18 | ENERGY (\$/KWH) | | | 18 |
| 19 | ON-PEAK | \$0.30487 | | 19 |
| 20 | PART-PEAK | \$0.18734 | \$0.16648 | 20 |
| 21 | OFF-PEAK | \$0.14222 | \$0.13939 | 21 |
| | | | | |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

STANDBY RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|---|---------------------|---------------------|----------|
| 1 | SCHEDULE S CUSTOMER AND METER CHARGES | | | 1 |
| 2 | RESIDENTIAL | | | 2 |
| 3 | MINIMUM BILL (\$/MO) | \$5.00 | \$5.00 | 3 |
| 4 | TOU METER CHARGE (\$/MO) | \$3.90 | \$3.90 | 4 |
| 5 | AGRICULTURAL | | | 5 |
| 6 | CUSTOMER CHARGE (\$/MO) | \$16.00 | \$16.00 | 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) | \$9.00 | \$9.00 | 9 |
| 10 | POLY PHASE CUSTOMER CHARGE (\$/MO) | \$13.50 | \$13.50 | 10 |
| 11 | METER CHARGE (\$/MO) | \$6.12 | \$6.12 | 11 |
| 12 | MEDIUM LIGHT AND POWER (>50 kW, <500 kW) | | | 12 |
| 13 | CUSTOMER CHARGE (\$/MO) | \$120.00 | \$120.00 | 13 |
| 14 | METER CHARGE (\$/MO) | \$5.40 | \$5.40 | 14 |
| 15 | MEDIUM LIGHT AND POWER (>500kW) | | | 15 |
| 16 | TRANSMISSION CUSTOMER CHARGE (\$/MO) | \$1,200.00 | \$1,200.00 | 16 |
| 17 | PRIMARY CUSTOMER CHARGE (\$/MO) | \$600.00 | \$600.00 | 17 |
| 18 | SECONDARY CUSTOMER CHARGE (\$/MO) | \$412.50 | \$412.50 | 18 |
| 19 | LARGE LIGHT AND POWER (> 1000 kW) | | | 19 |
| 20 | TRANSMISSION CUSTOMER CHARGE (\$/MO) | \$1,125.95 | \$1,125.95 | 20 |
| 21 | PRIMARY CUSTOMER CHARGE (\$/MO) | \$1,000.00 | \$1,000.00 | 21 |
| 22 | SECONDARY CUSTOMER CHARGE (\$/MO) | \$750.00 | \$750.00 | 22 |
| 23 | REDUCED CUSTOMER CHARGES (\$/MO) | | | 23 |
| 24 | A-6 | \$11.90 | \$11.90 | 24 |
| 25 | E19 V | \$57.32 | \$57.32 | 25 |
| 26 | E-19 PRIMARY and SECONDARY | \$851.00 | \$851.00 | 26 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

AGRICULTURAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--|---------------------|---------------------|----------|
| 1 | SCHEDULE AG-1A | | | 1 |
| 2 | CUSTOMER CHARGE (\$/MONTH) | \$14.40 | \$14.40 | 2 |
| 3 | CONNECTED LOAD CHARGE (\$/KW/MONTH) | \$5.40 | \$0.98 | 3 |
| 4 | ENERGY CHARGE (\$/KWH) | \$0.21440 | \$0.16739 | 4 |
| | | | | |
| 5 | SCHEDULE AG-RA | | | 5 |
| 6 | CUSTOMER CHARGE - RATES A & D (\$/MONTH) | \$14.40 | \$14.40 | 6 |
| 7 | 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) | \$4.85 | \$0.74 | 9 |
| 10 | ENERGY (\$/KWH) | | | 10 |
| 11 | ON-PEAK | \$0.39558 | | 11 |
| 12 | PART-PEAK | | \$0.13682 | 12 |
| 13 | OFF-PEAK | \$0.13293 | \$0.11296 | 13 |
| | | | | |
| 14 | SCHEDULE AG-VA | | | 14 |
| 15 | CUSTOMER CHARGE - RATES A & D (\$/MONTH) | \$14.40 | \$14.40 | 15 |
| 16 | METER CHARGE - RATE A (\$/MONTH) | \$6.80 | \$6.80 | 16 |
| 17 | METER CHARGE - RATE D (\$/MONTH) | \$2.00 | \$2.00 | 17 |
| 18 | CONNECTED LOAD CHARGE (\$/KW/MONTH) | \$4.88 | \$0.77 | 18 |
| 19 | ENERGY (\$/KWH) | | | 19 |
| 20 | ON-PEAK | \$0.36774 | | 20 |
| 21 | PART-PEAK | | \$0.13770 | 21 |
| 22 | OFF-PEAK | \$0.13047 | \$0.11378 | 22 |
| | | | | |
| 23 | SCHEDULE AG-4A | | | 23 |
| 24 | CUSTOMER CHARGE - RATES A & D (\$/MONTH) | \$14.40 | \$14.40 | 24 |
| 25 | METER CHARGE - RATE A (\$/MONTH) | \$6.80 | \$6.80 | 25 |
| 26 | METER CHARGE - RATE D (\$/MONTH) | \$2.00 | \$2.00 | 26 |
| 27 | CONNECTED LOAD CHARGE (\$/KW/MONTH) | \$4.85 | \$0.68 | 27 |
| 28 | ENERGY (\$/KWH) | | | 28 |
| 29 | ON-PEAK | \$0.29474 | | 29 |
| 30 | PART-PEAK | | \$0.13723 | 30 |
| 31 | OFF-PEAK | \$0.13218 | \$0.11355 | 31 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

AGRICULTURAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--|---------------------|---------------------|----------|
| 1 | SCHEDULE AG-5A | | | 1 |
| 2 | CUSTOMER CHARGE - RATES A & D (\$/MONTH) | \$14.40 | \$14.40 | 2 |
| 3 | METER CHARGE - RATE A (\$/MONTH) | \$6.80 | \$6.80 | 3 |
| 4 | METER CHARGE - RATE D (\$/MONTH) | \$2.00 | \$2.00 | 4 |
| 5 | CONNECTED LOAD CHARGE (\$/KW/MONTH) | \$8.13 | \$1.36 | 5 |
| 6 | ENERGY (\$/KWH) | | | 6 |
| 7 | ON-PEAK | \$0.22981 | | 7 |
| 8 | PART-PEAK | | \$0.12303 | 8 |
| 9 | OFF-PEAK | \$0.11696 | \$0.10434 | 9 |
| 10 | SCHEDULE AG-1B | | | 10 |
| 11 | CUSTOMER CHARGE (\$/MONTH) | \$19.20 | \$19.20 | 11 |
| 12 | MAXIMUM DEMAND CHARGE (\$/KW/MONTH) | | | 12 |
| 13 | SECONDARY VOLTAGE | \$8.16 | \$1.58 | 13 |
| 14 | PRIMARY VOLTAGE DISCOUNT | \$0.96 | \$0.22 | 14 |
| 15 | ENERGY CHARGE (\$/KWH) | \$0.18496 | \$0.14436 | 15 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

AGRICULTURAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--|---------------------|---------------------|----------|
| 1 | SCHEDULE AG-RB | | | 1 |
| 2 | CUSTOMER CHARGE - RATES B & E (\$/MONTH) | \$19.20 | \$19.20 | 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) | \$2.85 | | 5 |
| 6 | MAXIMUM DEMAND CHARGE (\$/KW/MONTH) | | | 6 |
| 7 | SECONDARY VOLTAGE | \$6.75 | \$1.30 | 7 |
| 8 | PRIMARY VOLTAGE DISCOUNT | \$0.63 | \$0.21 | 8 |
| 9 | ENERGY CHARGE (\$/KWH) | | | 9 |
| 10 | ON-PEAK | \$0.37937 | | 10 |
| 11 | PART-PEAK | | \$0.12296 | 11 |
| 12 | OFF-PEAK | \$0.13147 | \$0.10327 | 12 |
| 13 | SCHEDULE AG-VB | | | 13 |
| 14 | CUSTOMER CHARGE - RATES B & E (\$/MONTH) | \$19.20 | \$19.20 | 14 |
| 15 | METER CHARGE - RATE B (\$/MONTH) | \$6.00 | \$6.00 | 15 |
| 16 | METER CHARGE - RATE E (\$/MONTH) | \$1.20 | \$1.20 | 16 |
| 17 | ON-PEAK DEMAND CHARGE (\$/KW/MONTH) | \$2.86 | | 17 |
| 18 | MAXIMUM DEMAND CHARGE (\$/KW/MONTH) | | | 18 |
| 19 | SECONDARY VOLTAGE | \$6.77 | \$1.28 | 19 |
| 20 | PRIMARY VOLTAGE DISCOUNT | \$0.68 | \$0.20 | 20 |
| 21 | ENERGY CHARGE (\$/KWH) | | | 21 |
| 22 | ON-PEAK | \$0.34708 | | 22 |
| 23 | PART-PEAK | | \$0.12140 | 23 |
| 24 | OFF-PEAK | \$0.12770 | \$0.10194 | 24 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

AGRICULTURAL RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|--|---------------------|---------------------|----------|
| 1 | SCHEDULE AG-4B | | | 1 |
| 2 | CUSTOMER CHARGE - RATES B & E (\$/MONTH) | \$19.20 | \$19.20 | 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) | \$3.77 | | 5 |
| 6 | MAXIMUM DEMAND CHARGE (\$/KW/MONTH) | | | 6 |
| 7 | SECONDARY VOLTAGE | \$6.58 | \$1.40 | 7 |
| 8 | PRIMARY VOLTAGE DISCOUNT | \$0.78 | \$0.22 | 8 |
| 9 | ENERGY CHARGE (\$/KWH) | | | 9 |
| 10 | ON-PEAK | \$0.21560 | | 10 |
| 11 | PART-PEAK | | \$0.11773 | 11 |
| 12 | OFF-PEAK | \$0.11802 | \$0.09945 | 12 |
| 13 | SCHEDULE AG-4C | | | 13 |
| 14 | CUSTOMER CHARGE - RATES C & F (\$/MONTH) | \$64.80 | \$64.80 | 14 |
| 15 | METER CHARGE - RATE C (\$/MONTH) | \$6.00 | \$6.00 | 15 |
| 16 | METER CHARGE - RATE F (\$/MONTH) | \$1.20 | \$1.20 | 16 |
| 17 | DEMAND CHARGE (\$/KW/MONTH) | | | 17 |
| 18 | ON-PEAK | \$8.87 | | 18 |
| 19 | PART-PEAK | \$1.67 | \$0.34 | 19 |
| 20 | MAXIMUM | \$3.14 | \$1.52 | 20 |
| 21 | PRIMARY VOLTAGE DISCOUNT | \$1.05 | \$0.19 | 21 |
| 22 | TRANSMISSION VOLTAGE DISCOUNT | \$5.68 | \$1.42 | 22 |
| 23 | ENERGY CHARGE (\$/KWH) | | | 23 |
| 24 | ON-PEAK | \$0.20010 | | 24 |
| 25 | PART-PEAK | \$0.11809 | \$0.09828 | 25 |
| 26 | OFF-PEAK | \$0.08912 | \$0.08552 | 26 |
| 27 | SCHEDULE AG-5B | | | 27 |
| 28 | CUSTOMER CHARGE - RATES B & E (\$/MONTH) | \$30.00 | \$30.00 | 28 |
| 29 | METER CHARGE - RATE B (\$/MONTH) | \$6.00 | \$6.00 | 29 |
| 30 | METER CHARGE - RATE E (\$/MONTH) | \$1.20 | \$1.20 | 30 |
| 31 | ON-PEAK DEMAND CHARGE (\$/KW/MONTH) | \$7.61 | | 31 |
| 32 | MAXIMUM DEMAND CHARGE (\$/KW/MONTH) | | | 32 |
| 33 | SECONDARY VOLTAGE | \$11.07 | \$3.96 | 33 |
| 34 | PRIMARY VOLTAGE DISCOUNT | \$1.40 | \$0.13 | 34 |
| 35 | TRANSMISSION VOLTAGE DISCOUNT | \$8.13 | \$3.42 | 35 |
| 36 | ENERGY CHARGE (\$/KWH) | | | 36 |
| 37 | ON-PEAK | \$0.17300 | | 37 |
| 38 | PART-PEAK | | \$0.08765 | 38 |
| 39 | OFF-PEAK | \$0.06966 | \$0.06222 | 39 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

AGRICULTURAL RATES

| LINE NO. | | 1/1/10 RATES | | LINE NO. |
|----------|--|--------------|-----------|----------|
| | | SUMMER | WINTER | |
| 1 | SCHEDULE AG-5C | | | 1 |
| 2 | CUSTOMER CHARGE - RATES C & F (\$/MONTH) | \$160.00 | \$160.00 | 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 | \$12.82 | | 6 |
| 7 | PART-PEAK | \$2.63 | \$0.58 | 7 |
| 8 | MAXIMUM | \$4.43 | \$2.96 | 8 |
| 9 | PRIMARY VOLTAGE DISCOUNT | \$2.01 | \$0.17 | 9 |
| 10 | TRANSMISSION VOLTAGE DISCOUNT | \$10.98 | \$2.16 | 10 |
| 11 | ENERGY CHARGE (\$/KWH) | | | 11 |
| 12 | ON-PEAK | \$0.12682 | | 12 |
| 13 | PART-PEAK | \$0.08427 | \$0.07317 | 13 |
| 14 | OFF-PEAK | \$0.06841 | \$0.06595 | 14 |
| 15 | SCHEDULE AG-ICE | | | 15 |
| 16 | CUSTOMER CHARGE (\$/MONTH) | \$40.00 | \$40.00 | 16 |
| 17 | METER CHARGE (\$/MONTH) | \$6.00 | \$6.00 | 17 |
| 18 | ON-PEAK DEMAND CHARGE (\$/KW/MO) | \$2.44 | | 18 |
| 19 | MAXIMUM DEMAND CHARGE (\$/KW/MO) | | | 19 |
| 20 | SECONDARY | \$3.36 | \$0.00 | 20 |
| 21 | PRIMARY | \$2.66 | \$0.00 | 21 |
| 22 | TRANSMISSION | \$1.17 | \$0.00 | 22 |
| 23 | ENERGY CHARGE (\$/KWH) | | | 23 |
| 24 | ON-PEAK | \$0.11928 | | 24 |
| 25 | PART-PEAK | \$0.09304 | \$0.09543 | 25 |
| 26 | OFF-PEAK | \$0.04771 | \$0.04771 | 26 |

PACIFIC GAS AND ELECTRIC COMPANY
 PRESENT ELECTRIC RATES
 AS OF JANUARY 1, 2010

STREETLIGHTING RATES

| LINE NO. | | 1/1/10 RATES SUMMER | 1/1/10 RATES WINTER | LINE NO. |
|----------|-------------------------------|---------------------|---------------------|----------|
| ***** | | | | |
| 1 | SCHEDULE LS-1 | | | 1 |
| 2 | ENERGY CHARGE (\$/KWH) | \$0.12471 | \$0.12471 | 2 |
| ***** | | | | |
| 3 | SCHEDULE LS-2 | | | 3 |
| 4 | ENERGY CHARGE (\$/KWH) | \$0.12471 | \$0.12471 | 4 |
| ***** | | | | |
| 5 | SCHEDULE LS-3 | | | 5 |
| 6 | SERVICE CHARGE (\$/METER/MO.) | \$6.00 | \$6.00 | 6 |
| 7 | ENERGY CHARGE (\$/KWH) | \$0.12471 | \$0.12471 | 7 |
| ***** | | | | |
| 8 | SCHEDULE OL-1 | | | 8 |
| 9 | ENERGY CHARGE (\$/KWH) | \$0.13023 | \$0.13023 | 9 |
| ***** | | | | |

| PACIFIC GAS AND ELECTRIC COMPANY | | | | | | | | | | | | | | | | |
|--|------------------------|----------------|------------------------------------|----------|---------------|----------|----------|----|----------|----------|----------|----------|------|----------------|---------|------|
| PRESENT ELECTRIC RATES | | | | | | | | | | | | | | | | |
| AS OF JANUARY 1, 2010 | | | | | | | | | | | | | | | | |
| ELECTRIC RATES FOR SCHEDULES LS-1, LS-2 AND OL-1 | | | | | | | | | | | | | | | | |
| NOMINAL LAMP RATINGS | | | ALL NIGHT RATES PER LAMP PER MONTH | | | | | | | | | | | HALF-HOUR ADJ. | | |
| LAMP WATTS | AVERAGE kWhr PER MONTH | INITIAL LUMENS | SCHEDULE LS-2 | | SCHEDULE LS-1 | | | | | | | OL-1 | | LS-1 & LS-2 | | OL-1 |
| | | | A | C | A | B | C | D | E | F | F.1 | OL-1 | LS-2 | OL-1 | | |
| MERCURY VAPOR LAMPS | | | | | | | | | | | | | | | | |
| 40 | 18 | 1,300 | \$2.432 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.102 | -- |
| 50 | 22 | 1,650 | \$2.931 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.125 | -- |
| 100 | 40 | 3,500 | \$5.175 | \$7.676 | \$11.453 | -- | \$9.936 | -- | -- | -- | -- | -- | -- | -- | \$0.227 | -- |
| 175 | 68 | 7,500 | \$8.667 | \$11.168 | \$14.945 | \$13.436 | \$13.428 | -- | \$16.083 | \$16.158 | \$16.158 | \$15.321 | -- | \$0.385 | \$0.403 | -- |
| 250 | 97 | 11,000 | \$12.284 | \$14.785 | \$18.562 | \$17.053 | \$17.045 | -- | -- | -- | -- | -- | -- | \$0.550 | -- | -- |
| 400 | 152 | 21,000 | \$19.143 | \$21.644 | \$25.421 | \$23.912 | \$23.904 | -- | -- | -- | -- | \$26.260 | -- | \$0.862 | \$0.900 | -- |
| 700 | 266 | 37,000 | \$33.360 | \$35.861 | \$39.638 | \$38.129 | \$38.121 | -- | -- | -- | -- | -- | -- | \$1.508 | -- | -- |
| 1,000 | 377 | 57,000 | \$47.203 | \$49.704 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$2.137 | -- | -- |
| INCANDESCENT LAMPS | | | | | | | | | | | | | | | | |
| 58 | 20 | 600 | \$2.681 | -- | \$8.959 | -- | -- | -- | -- | -- | -- | -- | -- | \$0.113 | -- | -- |
| 92 | 31 | 1,000 | \$4.053 | \$6.554 | \$10.331 | -- | -- | -- | -- | -- | -- | -- | -- | \$0.176 | -- | -- |
| 189 | 65 | 2,500 | \$8.293 | \$10.794 | \$14.571 | \$13.062 | -- | -- | -- | -- | -- | -- | -- | \$0.368 | -- | -- |
| 295 | 101 | 4,000 | \$12.783 | \$15.284 | \$19.061 | \$17.552 | -- | -- | -- | -- | -- | -- | -- | \$0.573 | -- | -- |
| 405 | 139 | 6,000 | \$17.522 | \$20.023 | \$23.800 | -- | -- | -- | -- | -- | -- | -- | -- | \$0.788 | -- | -- |
| 620 | 212 | 10,000 | \$26.626 | \$29.127 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$1.202 | -- | -- |
| 860 | 294 | 15,000 | \$36.852 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$1.667 | -- | -- |
| LOW PRESSURE SODIUM VAPOR LAMPS | | | | | | | | | | | | | | | | |
| 35 | 21 | 4,800 | \$2.806 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.119 | -- | -- |
| 55 | 29 | 8,000 | \$3.804 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.164 | -- | -- |
| 90 | 45 | 13,500 | \$5.799 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.255 | -- | -- |
| 135 | 62 | 21,500 | \$7.919 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.351 | -- | -- |
| 180 | 78 | 33,000 | \$9.914 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.442 | -- | -- |

| PACIFIC GAS AND ELECTRIC COMPANY | | | | | | | | | | | | | | | |
|--|------------------------|----------------|------------------------------------|-------------|---------------|------------------------|----------|----------|----------|--------------------|----------|-------------|----------------|---------|----|
| PRESENT ELECTRIC RATES | | | | | | | | | | | | | | | |
| AS OF JANUARY 1, 2010 | | | | | | | | | | | | | | | |
| ELECTRIC RATES FOR SCHEDULES LS-1, LS-2 AND OL-1 | | | | | | | | | | | | | | | |
| NOMINAL LAMP RATINGS | | | ALL NIGHT RATES PER LAMP PER MONTH | | | | | | | | | | HALF-HOUR ADJ. | | |
| LAMP WATTS | AVERAGE kWhr PER MONTH | INITIAL LUMENS | SCHEDULE LS-2 | | SCHEDULE LS-1 | | | | | | | LS-1 & LS-2 | | OL-1 | |
| | | | A | C | A | B | C | D | E | F | F.1 | OL-1 | LS-2 | OL-1 | |
| HIGH PRESSURE SODIUM VAPOR LAMPS | | | | | | | | | | | | | | | |
| AT 120 VOLTS | | | | | | | | | | | | | | | |
| 35 | 15 | 2,150 | \$2.058 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.085 | -- |
| 50 | 21 | 3,800 | \$2.806 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.119 | -- |
| 70 | 29 | 5,800 | \$3.804 | \$6.305 | \$10.082 | -- | \$8.565 | \$11.693 | \$11.220 | \$11.295 | \$11.295 | \$10.242 | \$0.164 | \$0.172 | |
| 100 | 41 | 9,500 | \$5.300 | \$7.801 | \$11.578 | -- | \$10.061 | \$13.189 | \$12.716 | \$12.791 | \$12.791 | \$11.804 | \$0.232 | \$0.243 | |
| 150 | 60 | 16,000 | \$7.670 | \$10.171 | \$13.948 | -- | \$12.431 | \$15.559 | \$15.086 | \$15.161 | \$15.161 | -- | \$0.340 | -- | |
| 200 | 80 | 22,000 | \$10.164 | -- | \$16.442 | -- | \$14.925 | \$18.053 | \$17.580 | \$17.655 | \$17.655 | -- | \$0.454 | -- | |
| 250 | 100 | 26,000 | \$12.658 | -- | \$18.936 | -- | \$17.419 | \$20.547 | \$20.074 | \$20.149 | \$20.149 | -- | \$0.567 | -- | |
| 400 | 154 | 46,000 | \$19.392 | -- | \$25.670 | -- | \$24.153 | \$27.281 | \$26.808 | \$26.883 | \$26.883 | -- | \$0.873 | -- | |
| AT 240 VOLTS | | | | | | | | | | | | | | | |
| 50 | 24 | 3,800 | \$3.180 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.136 | -- | |
| 70 | 34 | 5,800 | \$4.427 | \$6.928 | \$10.705 | -- | -- | -- | -- | -- | -- | -- | \$0.193 | -- | |
| 100 | 47 | 9,500 | \$6.048 | \$8.549 | \$12.326 | -- | \$10.809 | -- | \$13.464 | \$13.539 | \$13.539 | -- | \$0.266 | -- | |
| 150 | 69 | 16,000 | \$8.792 | \$11.293 | \$15.070 | -- | \$13.553 | -- | \$16.208 | \$16.283 | \$16.283 | -- | \$0.391 | -- | |
| 200 | 81 | 22,000 | \$10.289 | \$12.790 | \$16.567 | -- | \$15.050 | -- | \$17.705 | \$17.780 | \$17.780 | \$17.014 | \$0.459 | \$0.480 | |
| 250 | 100 | 25,500 | \$12.658 | \$15.159 | \$18.936 | -- | \$17.419 | -- | \$20.074 | \$20.149 | \$20.149 | \$19.488 | \$0.567 | \$0.592 | |
| 310 | 119 | 37,000 | \$15.027 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.675 | -- | |
| 360 | 144 | 45,000 | \$18.145 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.816 | -- | |
| 400 | 154 | 46,000 | \$19.392 | \$21.893 | \$25.670 | -- | \$24.153 | -- | \$26.808 | \$26.883 | \$26.883 | \$26.520 | \$0.873 | \$0.912 | |
| METAL HALIDE LAMPS | | | | | | | | | | | | | | | |
| 70 | 30 | 5,500 | \$3.928 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.170 | -- | |
| 100 | 41 | 8,500 | \$5.300 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.232 | -- | |
| 150 | 63 | 13,500 | \$8.044 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.357 | -- | |
| 175 | 72 | 14,000 | \$9.166 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.408 | -- | |
| 250 | 105 | 20,500 | \$13.282 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.595 | -- | |
| 400 | 162 | 30,000 | \$20.390 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.918 | -- | |
| 1,000 | 387 | 90,000 | \$48.450 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$2.194 | -- | |
| INDUCTION LAMPS | | | | | | | | | | | | | | | |
| 40 | 14 | 2,200 | \$1.933 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.079 | -- | |
| 55 | 19 | 3,000 | \$2.556 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.108 | -- | |
| 80 | 27 | 4,500 | \$3.554 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.153 | -- | |
| 85 | 30 | 4,800 | \$3.928 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.170 | -- | |
| 120 | 42 | 8,500 | \$5.364 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.235 | -- | |
| 150 | 51 | 10,900 | \$6.547 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.289 | -- | |
| 165 | 58 | 12,000 | \$7.420 | -- | -- | -- | -- | -- | -- | -- | -- | -- | \$0.329 | -- | |
| Energy Rate @ | | | \$0.12471 per kwh | LS-1 & LS-2 | | Pole Painting Charge @ | | | \$0.000 | Per Pole Per Month | | | | | |
| | | | \$0.13023 per kwh | OL-1 | | | | | | | | | | | |

| PACIFIC GAS AND ELECTRIC COMPANY | | | |
|---|--------------------|------------------------|-------------------|
| AS OF JANUARY 1, 2010 | | | |
| LIGHT EMITTING DIODE (LED) LAMPS | | | |
| <u>NOMINAL LAMP RATINGS</u> | | <u>ALL NIGHT RATES</u> | <u>HALF-HOUR</u> |
| <u>Lamp</u> | <u>Average kWh</u> | <u>PER LAMP</u> | <u>ADJUSTMENT</u> |
| <u>Watts</u> | <u>Per Month</u> | <u>PER MONTH</u> | |
| | | A | A |
| 0.0-5.0 | 0.9 | \$0.299 | \$0.005 |
| 5.1-10.0 | 2.6 | \$0.511 | \$0.015 |
| 10.1-15.0 | 4.3 | \$0.723 | \$0.024 |
| 15.1-20.0 | 6.0 | \$0.935 | \$0.034 |
| 20.1-25.0 | 7.7 | \$1.147 | \$0.044 |
| 25.1-30.0 | 9.4 | \$1.359 | \$0.053 |
| 30.1-35.0 | 11.1 | \$1.571 | \$0.063 |
| 35.1-40.0 | 12.8 | \$1.783 | \$0.073 |
| 40.1-45.0 | 14.5 | \$1.995 | \$0.082 |
| 45.1-50.0 | 16.2 | \$2.207 | \$0.092 |
| 50.1-55.0 | 17.9 | \$2.419 | \$0.101 |
| 55.1-60.0 | 19.6 | \$2.631 | \$0.111 |
| 60.1-65.0 | 21.4 | \$2.856 | \$0.121 |
| 65.1-70.0 | 23.1 | \$3.068 | \$0.131 |
| 70.1-75.0 | 24.8 | \$3.280 | \$0.141 |
| 75.1-80.0 | 26.5 | \$3.492 | \$0.150 |
| 80.1-85.0 | 28.2 | \$3.704 | \$0.160 |
| 85.1-90.0 | 29.9 | \$3.916 | \$0.170 |
| 90.1-95.0 | 31.6 | \$4.128 | \$0.179 |
| 95.1-100.0 | 33.3 | \$4.340 | \$0.189 |
| 100.1-105.1 | 35.0 | \$4.552 | \$0.198 |
| 105.1-110.0 | 36.7 | \$4.764 | \$0.208 |
| 110.1-115.0 | 38.4 | \$4.976 | \$0.218 |
| 115.1-120.0 | 40.1 | \$5.188 | \$0.227 |
| 120.1-125.0 | 41.9 | \$5.412 | \$0.238 |
| 125.1-130.0 | 43.6 | \$5.624 | \$0.247 |
| 130.1-135.0 | 45.3 | \$5.836 | \$0.257 |
| 135.1-140.0 | 47.0 | \$6.048 | \$0.266 |
| 140.1-145.0 | 48.7 | \$6.260 | \$0.276 |
| 145.1-150.0 | 50.4 | \$6.472 | \$0.286 |
| 150.1-155.0 | 52.1 | \$6.684 | \$0.295 |
| 155.1-160.0 | 53.8 | \$6.896 | \$0.305 |
| 160.1-165.0 | 55.5 | \$7.108 | \$0.315 |
| 165.1-170.0 | 57.2 | \$7.320 | \$0.324 |
| 170.1-175.0 | 58.9 | \$7.532 | \$0.334 |
| 175.1-180.0 | 60.6 | \$7.744 | \$0.344 |
| 180.1-185.0 | 62.4 | \$7.969 | \$0.354 |
| 185.1-190.0 | 64.1 | \$8.181 | \$0.363 |
| 190.1-195.0 | 65.8 | \$8.393 | \$0.373 |
| 195.1-200.0 | 67.5 | \$8.605 | \$0.383 |
| 200.1-205.0 | 69.2 | \$8.817 | \$0.392 |
| 205.1-210.0 | 70.9 | \$9.029 | \$0.402 |
| 210.1-215.0 | 72.6 | \$9.241 | \$0.412 |
| 215.1-220.0 | 74.3 | \$9.453 | \$0.421 |

| PACIFIC GAS AND ELECTRIC COMPANY | | | |
|---|--------------------|------------------------|-------------------|
| AS OF JANUARY 1, 2010 | | | |
| LIGHT EMITTING DIODE (LED) LAMPS | | | |
| <u>NOMINAL LAMP RATINGS</u> | | <u>ALL NIGHT RATES</u> | <u>HALF-HOUR</u> |
| <u>Lamp</u> | <u>Average kWh</u> | <u>PER LAMP</u> | <u>ADJUSTMENT</u> |
| <u>Watts</u> | <u>Per Month</u> | <u>PER MONTH</u> | |
| | | A | A |
| 220.1-225.0 | 76.0 | \$9.665 | \$0.431 |
| 225.1-230.0 | 77.7 | \$9.877 | \$0.440 |
| 230.1-235.0 | 79.4 | \$10.089 | \$0.450 |
| 235.1-240.0 | 81.1 | \$10.301 | \$0.460 |
| 240.1-245.0 | 82.9 | \$10.525 | \$0.470 |
| 245.1-250.0 | 84.6 | \$10.737 | \$0.480 |
| 250.1-255.0 | 86.3 | \$10.949 | \$0.489 |
| 255.1-260.0 | 88.0 | \$11.161 | \$0.499 |
| 260.1-265.0 | 89.7 | \$11.373 | \$0.508 |
| 265.1-270.0 | 91.4 | \$11.585 | \$0.518 |
| 270.1-275.0 | 93.1 | \$11.798 | \$0.528 |
| 275.1-280.0 | 94.8 | \$12.010 | \$0.537 |
| 280.1-285.0 | 96.5 | \$12.222 | \$0.547 |
| 285.1-290.0 | 98.2 | \$12.434 | \$0.557 |
| 290.1-295.0 | 99.9 | \$12.646 | \$0.566 |
| 295.1-300.0 | 101.6 | \$12.858 | \$0.576 |
| 300.1-305.0 | 103.4 | \$13.082 | \$0.586 |
| 305.1-310.0 | 105.1 | \$13.294 | \$0.596 |
| 310.1-315.0 | 106.8 | \$13.506 | \$0.605 |
| 315.1-320.0 | 108.5 | \$13.718 | \$0.615 |
| 320.1-325.0 | 110.2 | \$13.930 | \$0.625 |
| 325.1-330.0 | 111.9 | \$14.142 | \$0.634 |
| 330.1-335.0 | 113.6 | \$14.354 | \$0.644 |
| 335.1-340.0 | 115.3 | \$14.566 | \$0.654 |
| 340.1-345.0 | 117.0 | \$14.778 | \$0.663 |
| 345.1-350.0 | 118.7 | \$14.990 | \$0.673 |
| 350.1-355.0 | 120.4 | \$15.202 | \$0.683 |
| 355.1-360.0 | 122.1 | \$15.414 | \$0.692 |
| 360.1-365.0 | 123.9 | \$15.639 | \$0.702 |
| 365.1-370.0 | 125.6 | \$15.851 | \$0.712 |
| 370.1-375.0 | 127.3 | \$16.063 | \$0.722 |
| 375.1-380.0 | 129.0 | \$16.275 | \$0.731 |
| 380.1-385.0 | 130.7 | \$16.487 | \$0.741 |
| 385.1-390.0 | 132.4 | \$16.699 | \$0.751 |
| 390.1-395.0 | 134.1 | \$16.911 | \$0.760 |
| 395.1-400.0 | 135.8 | \$17.123 | \$0.770 |

CERTIFICATE OF SERVICE BY ELECTRONIC MAIL OR U.S. MAIL

I, the undersigned, state that I am a citizen of the United States and am employed in the City and County of San Francisco; that I am over the age of eighteen (18) years; and that my business address is Pacific Gas and Electric Company, Law Department, 77 Beale Street - B30A, San Francisco, CA 94105.

I am readily familiar with the business practice of Pacific Gas and Electric Company for collection and processing of correspondence for mailing with the United States Postal Service. In the ordinary course of business, correspondence is deposited with the United States Postal Service the same day it is submitted for mailing.

On the 15th day of January, 2010, I served a true copy of:

APPLICATION OF PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)

[XX] By Electronic Mail – serving the enclosed via e-mail transmission to each of the parties listed on the official service list for A.05-12-002 and I.06-03-003 with an e-mail address.

[XX] By U.S. Mail – by placing the enclosed for collection and mailing, in the course of ordinary business practice, with other correspondence of Pacific Gas and Electric Company, enclosed in a sealed envelope, with postage fully prepaid, addressed to those parties listed on the official service lists for A.05-12-002 and I.06-03-003 without an e-mail address.

I certify and declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on this 15th day of January, 2010 at San Francisco, California.

/s/ Amy S. Yu
AMY S. YU

THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA SERVICE LIST

Last Updated: January 6, 2010

CPUC DOCKET NO. A0512002/I0603003

Total number of addressees: 95

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CPUC DOCKET NO. A0512002/I0603003

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