

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

Application of Pacific Gas and Electric Company
To Revise Its Electric Marginal Costs, Revenue
Allocation, and Rate Design.

U 39 M

Application No. 16-06-013
(Filed: June 30, 2016)

**MOTION OF PACIFIC GAS AND ELECTRIC COMPANY FOR ADOPTION OF
RESIDENTIAL RATE DESIGN SUPPLEMENTAL SETTLEMENT AGREEMENT**

GAIL L. SLOCUM
RANDALL J. LITTENEKER
SHIRLEY A. WOO

Pacific Gas and Electric Company
77 Beale Street, B30A
San Francisco, CA 94105
Telephone: (415) 973-6583
Facsimile: (415) 973-5520
E-Mail: Gail.Slocum@PGE.com

Attorneys for
PACIFIC GAS AND ELECTRIC COMPANY

Dated: January 24, 2018

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I. INTRODUCTION

Pursuant to Rule 11.1 of the California Public Utilities Commission's (Commission) Rules of Practice and Procedure, Pacific Gas and Electric Company (PG&E) submits this motion to respectfully request Commission approval of the attached all-party^{1/} Supplemental Settlement Agreement^{2/} that resolves most of the residential rate design issues in this proceeding.^{3/}

For the reasons set forth below, the Residential Rate Design Settlement Agreement (the Residential Settlement Agreement) is reasonable in light of the record as a whole, consistent with law, and in the public interest, and therefore should be adopted without modification.

^{1/} The Residential Rate Design Settling Parties for purposes of this motion are: The Utility Reform Network (TURN), the Office of Ratepayer Advocates (ORA), the Solar Energy Industries Association (SEIA), the California Solar Energy Industries Association (CALSEIA), Santa Clara County, the Center for Accessable Technology (CforAT), and PG&E.

^{2/} This filing, seeking approval of the Residential Rate Design Settlement Agreement, is supplemental to the motion for adoption of the Marginal Cost and Revenue Allocation Settlement Agreement, filed with the CPUC on October 26, 2017, and should be consolidated with it for a combined decision resolving all remaining issues not yet resolved in PG&E's 2017 GRC Phase II proceeding.

^{3/} The only issue that was not able to be resolved through settlement was updates to the Electric Master Meter Discount, which are expected to proceed to rebuttal testimony on January 24, 2018 and evidentiary hearings in February, 2018.

II. PROCEDURAL HISTORY

The procedural and settlement history of this proceeding was set forth in PG&E's Motion for Approval of Settlement on Marginal Cost and Revenue Allocation issues in this proceeding, filed on October 26, 2017 (MC/RA Settlement Agreement), and is incorporated herein by reference.

PG&E served its prepared testimony on residential rate design issues on June 30, 2016 and updated that testimony on December 2, 2016, and November 2, 2017.^{4/} Responsive testimony on residential rate design issues was served on February 15, 2017 by ORA,^{5/} and on March 15, 2017 by TURN,^{6/} SEIA,^{7/} and CALSEIA.^{8/} The Western Manufactured Housing Communities Association (WMA) also served testimony on master meter discount issues that are not resolved in this settlement.^{9/}

III. RESIDENTIAL RATE DESIGN

Over the upcoming GRC cycle, much of residential rate design will be considered and decided in proceedings stemming from the Residential Rate Reform Order Instituting Rulemaking (the RROIR, Rulemaking (R.)12-0-013). These decisions include D.15-07-001, which arrived at the rules for changing standard electric rates and directed consideration of various residential rate design proposals, including default time-of-use rates and a potential future residential fixed charge, to take place in the 2018 Rate Design Window proceeding, for which applications must be filed by January 1, 2018. As a result, proposals in PG&E's GRC Phase II proceeding were primarily focused on updating other limited elements of residential rates, and making limited proposals for new residential rate options. To that end, PG&E's GRC Phase II proposals include:

- (1) updates to gas and electric baseline quantities;

^{4/} See Revised Exhibit (PG&E-8), Chapter 4 (Quadrini, Coyne, Troup), dated December 2, 2016, as updated in Exhibit (PG&E-14) dated November 2, 2017.

^{5/} See ORA Direct Testimony, Chapter 11 (Khoury), dated February 15, 2017.

^{6/} See TURN Direct Testimony, Chapter IV (Marcus), dated March 15, 2017.

^{7/} See SEIA Direct Testimony, Chapters V and VI (Beach), dated March 15, 2017.

^{8/} See CALSEIA Direct Testimony, Chapter 2 (Soleil), dated March 15, 2017.

^{9/} See WMA Direct Testimony (McCann), dated March 15, 2017.

- (2) revisions to its medical baseline program;
- (3) updates to existing TOU rates as well as a proposal for a new residential TOU rate option;
- (4) updates to electric master meter discounts.

Responsive testimony by the parties included these issues as well as additional possible rate options.

IV. SETTLEMENT TERMS^{10/}

The Residential Settlement Agreement accompanying this motion is supplemental to the MC/RA Settlement Agreement. This Residential Settlement Agreement uses the revenue allocation agreed to in the MC/RA Settlement Agreement, and addresses rate design issues that were not resolved in the MC/RA Settlement Agreement. The Residential Rate Design Settling Parties request that the complementary outcomes of this supplemental Residential Settlement Agreement and the MC/RA Settlement Agreement be consolidated into the Commission's final decision in this GRC Phase II proceeding.

In the appended Residential Settlement Agreement, the parties agree that all testimony served prior to the date of this Residential Settlement Agreement that addresses the issues resolved by this Residential Settlement Agreement should be admitted into evidence without cross-examination by the Residential Rate Design Settling Parties. The Residential Rate Design Settling Parties believe that all residential rate design issues that are resolved in this Residential Settlement Agreement are unopposed by any party. Accordingly, this settlement resolves all issues raised by the parties except those related to the electric master meter discount, which has been deferred to litigation.

^{10/} This section summarizes the fundamental components of the Residential Settlement Agreement and necessarily simplifies some of the terms. To the extent that there is any conflict between the exact wording of the settlement agreement and this motion, the attached Residential Settlement Agreement should govern.

The Residential Settlement Agreement describes residential rate design, as summarized below:

A. Baseline Quantities

1. Electric Baseline Quantities

PG&E proposed revisions to its electric baseline quantities in Chapter 4, Section C1, of Revised Exhibit (PG&E-8). By statute, the CPUC can set baseline quantities anywhere between 50 to 60 percent of each baseline territory's usage (and for all-electric customers, it can be set between 60 to 70 percent, in winter). Baseline quantities for both a four-month summer season and a six-month summer season are required for specific applications in this proceeding. In both cases, PG&E proposed to continue to set baseline quantities at 52.5 percent average usage (and for all-electric customers at 62.5 percent in the winter). The Residential Rate Design Settling Parties have instead agreed to mitigate the reduction in baseline quantities resulting from PG&E's proposal by setting baseline quantities at 53.8 percent (and 63.8 percent for all electric customers in the winter) of average usage, with small adjustments to increase the baseline quantities in baseline territories X and T. Baseline quantities in territories X and T were increased slightly in both the summer and winter seasons in the case of 6 month summer and 6 month winter seasons and increased slightly only in the winter season in the case of 4 month summer and 8 month winter seasons.

In addition, the Residential Rate Design Settling Parties agree to : (a) Expand Territory Q, per the request of Santa Cruz County, to include additional customers from the Santa Cruz mountains area, and use the same baseline quantities as those established for Territory X in the summer and Territory P in the winter, whose climate is more similar to Territory Q; (b) Provide separate baseline quantities for Territories P and S in the summer, to parallel their separate treatment in winter, because there is enough difference between these two territories' climates in summer that they should be treated separately; and (c) Modify the methodology for calculating baseline quantities for Territory V, on the Humboldt County coast, to remove the inflationary effect of a very small number of extreme users on baseline calculations.

The Residential Rate Design Settling Parties agree that the resulting revised electric baseline quantities, set forth in Appendix A to the attached Residential Settlement Agreement, are reasonable and should be adopted. The revised seasonal electric baseline quantities will be implemented, with revenue neutral rate adjustments, on the first seasonal cross-over date after a final CPUC decision is rendered in this proceeding. PG&E will implement baseline quantities with four-month summer and eight-month winter seasons for Schedules E-1 and EL-1, with revenue neutral adjustments, as early as January 1, 2019, but no later than the date determined by the Commission for the start of implementation of residential default time-of-use (TOU) rates for eligible residential customers.

2. Gas Baseline Quantities

PG&E proposed to update its natural gas baseline quantities in Revised Exhibit (PG&E-8), Chapter 4, Section C2. PG&E's proposal continues to use the currently-effective method, based on 60 percent of average usage in the summer and 70 percent of average usage in the winter, but with current usage data (for the four-year period from November 2011 – October 2015). The Residential Rate Design Settling Parties agree that the proposed gas baseline quantities are reasonable and should be adopted. The revised gas baseline quantities are set forth in Appendix B to the attached Residential Settlement Agreement. Gas baseline quantities adopted in this proceeding will be implemented with revenue neutral adjustments on the first day of the next available season after the effective date of a final CPUC decision in this proceeding.

In PG&E's 2018 Gas Cost Allocation Proceeding (GCAP, A.17-09-006) PG&E uses the same historic period as was used in this proceeding to calculate proposed gas baseline allowances under its proposed three-month peak winter and nine-month non-peak seasons. Because of the different seasonal structure, the seasonal allowances proposed in the 2018 GCAP are different than those proposed in this proceeding. If the CPUC adopts PG&E's or another 2018 GCAP baseline proposal, the GCAP-determined allowances would take precedence over those that are approved in this proceeding.

B. Illustrative Rates

The Residential Rate Design Settling Parties agree that rates to collect the revenue allocated to the Residential class under the MC/RA Settlement Agreement shall be designed consistent with the illustrative settlement rates set forth in Appendix C to the attached Residential Settlement Agreement. The Residential Rate Design Settling Parties further agree that the illustrative rates set forth in Appendix C of the attached Residential Settlement Agreement are consistent with the revenue allocation set forth in Tables 1 and 2 of the MC/RA Settlement Agreement, which was based on March 1, 2017 effective rates.

The Residential Rate Design Settling Parties agree that the actual rates derived at the time of implementation of this Residential Settlement Agreement, once adopted by the CPUC, shall be designed on an overall revenue-neutral basis to collect the then-required revenue allocated to the residential class to reflect class level revenue allocation from the MC/RA Settlement Agreement. Adopted revenue in effect at the time of settlement implementation shall be applied to determine initial settlement rates. Therefore, the actual rates that will result when the Phase II rate changes are implemented will vary from those shown in Appendix C. However, these actual residential rates shall be based on the rate design methods described in this Residential Settlement Agreement.

1. Schedules E-1 and EL-1

The Residential Rate Design Settling Parties agree that the rates for Schedules E-1 and EL-1 will continue to be subject to change based on the Residential Rate Reform Order Instituting Rulemaking (RROIR), D. 15-07-001, and subsequent related decisions. Illustrative rates in Appendix C are based on the MC/RA Settlement Agreement and the adopted rate design for these schedules in place at the time of the settlement.

2. Medical Baseline

PG&E's GRC Phase II Application also proposed revisions to its Medical Baseline program in Revised Exhibit (PG&E-8), Chapter 4, Section D. Three of the changes PG&E proposed were to:

(a) Eliminate the 4 cent rate credit for non-California Alternate Rates for Energy (CARE) usage exceeding 200 percent of baseline; (b) Provide a rate discount in all tiers for non-CARE customers that is equal to the DWR bond charge; and (c) Revise the methodology for calculating usage by tier for all Medical Baseline customers (i.e., adopt PG&E’s proposal to change the methodology for calculating Tier 2 and Tier 3 usage for Medical Baseline customers to the same methodology used for non-Medical Baseline customers.) The Residential Rate Design Settling Parties agree that these changes are reasonable and should be adopted.

PG&E also proposed to refine the eligibility requirements for customers who request multiple medical baseline quantities (see Revised Exhibit (PG&E-8), Chapter 4, Section D7). After settlement discussions, the Residential Rate Design Settling Parties agreed that these changes are not necessary, but instead have agreed to add the following amendment to the text of its Medical Baseline Application, as follows:

“The standard Medical Baseline allowance provides extra energy at the lowest price. Medical Baseline allowances are added to your standard rate plan Baseline allocation. For electricity, it is 16.438 kWh per day (500 kWh per month). This additional amount is equal to the daily consumption of an average electric household. For gas, it is 0.82192 therms per day (25 therms per month). This additional amount is equal to three-quarters of the daily consumption of an average gas household. IF THE MEDICAL BASELINE ALLOWANCES DO NOT MEET YOUR MEDICAL ENERGY NEEDS, PLEASE CONTACT PG&E AT 1-800-743-5000. More information about increasing medical baseline quantities can be found at pge.com/medicalbaselineguidelines.”

“You may also benefit by participating in energy savings programs such as Energy Upgrade California® Home Upgrade. For income-qualified customers, the Energy Savings Assistance Program (ESA) provides improvements at no charge. Visit pge.com/saveenergy for more information.

In addition, PG&E agrees to the following initiatives for Medical Baseline Marketing Education and Outreach:

- Offer ESA to residential CARE customers who request more than one medical allotment and/or are using significantly more energy than the average residential customer.

Outreach will be handled by the ESA team. Non-CARE customers will be encouraged to take the Home Energy Checkup online at pge.com/waystosave.

- Develop a simple, easy-to-understand video that explains PG&E's Medical Baseline program. It will be translated into five languages (Spanish, Chinese, Vietnamese, Tagalog and Hmong) and include captioning for (Americans with Disabilities Act (ADA) compliance, and be posted on pge.com in the relevant Medical Baseline Program section. PG&E will promote awareness of the video with Community Based Organizations and other relevant groups (e.g., clinics, hospitals) that interact with customers regarding bill payments and/or medical needs.

3. Schedules E-6 and E-TOU

The Residential Rate Design Settling Parties agree that the TOU periods and ongoing changes to those TOU periods, be continued as set forth in the Settlement Agreement approved by D.15-11-013 in the 2015 Rate Design Window. The Residential Rate Design Settling Parties further agree to the illustrative rates set forth in Appendix C of the attached Residential Settlement Agreement. All CARE TOU energy rates in Appendix C of the Settlement Agreement are calculated such that the CARE discount is the same across all TOU periods and rate tiers.

PG&E further agrees to withdraw its proposal to add a new Schedule E-DMD.

4. Schedule EV

The Residential Rate Design Settling Parties agree to the following changes to Schedule EV (Electric Vehicles).

(a) Enrollment Limitation: Replace the current 60,000 enrollment limitation with the following usage limitation: EV customers cannot exceed 800 percent of their average annual baseline allowance, measured as the total usage for the customer over the last 12 months divided by the total annual baseline allowance using the then current approved baseline quantities. Those who do will be transferred to E-TOU-B, a similar rate that also has no tiers. Premises that have been removed from Schedule EV will be prohibited from taking service on Schedule EV for 12 months, regardless of the name on the account, unless the name change is the result of the sale of the home.

(b) Rate Design: The Residential Rate Design Settling Parties agree that the TOU periods for Schedule EV should be revised as shown below. The Residential Rate Design Settling Parties further agree that the illustrative rates for Schedule EV provided in Appendix C of the attached Residential Settlement Agreement are reasonable and should be adopted. However, these illustrative rates will be adjusted for revenue requirement and sales changes. Between March 1, 2017 and through 2018, the off peak rate of 15 cents per kilowatt-hour (kWh) will be retained and rates in other TOU periods will be adjusted to ensure the schedule is revenue neutral. Beginning January 1, 2019, Schedule EV rates (including the off peak rate) will be adjusted for revenue requirement and sales changes. Beginning January 1, 2019, revenue requirement and sales changes will be implemented as an equal cent per kWh adjustment such that the seasonal and TOU rate differentials remain the same (on a cents per kWh basis). The revised seasons and TOU periods for Schedule EV are provided below.

Seasons:

Summer: June – September

Winter: October – May

TOU Periods:

Peak: 4PM – 9PM, All Days

Part-Peak: 3PM – 4PM & 9PM – 12AM, All Days

Off-Peak: 12AM – 3PM, All Days

(c) Open Schedule EVA to storage customers. The Residential Rate Design Settling Parties agree that customers with battery storage may take service on this rate schedule on a pilot basis subject to the Schedule EV usage limitation (above) and subject to the following terms and limitations:

- Participation will be capped at 30,000 storage-only customers. Customers that have both an electric vehicle *and* battery storage will not count toward the participation cap. Eligible customers must apply for interconnection and be granted permission to operate in order to take service on Schedule EV.
- The Residential Rate Design Settling Parties will confer with regard to the future of the program when participation reaches 15,000 storage-only customers.
- Participation is open to all residential customers (up to the cap), including those with an existing photovoltaic (PV) system. There is no prohibition on participating customers from later installing a PV system
- After reaching 5,000 storage-only participants, PG&E will update its website with the current total number of storage-only enrollment; and will continue to update the website for each increment of 5,000 storage-only customers enrolled.
- The installed capacity of storage, in kWh, must be at least 0.05% of the customer's annual consumption from the previous twelve months for customers with more than

6,000 kWh of annual usage. The installed storage capacity for customers with 6,000 kWh or less of annual usage must be at least 2 kWh.

- Annually, PG&E will report on the storage component of Schedule EV: (1) Number of participating storage-only customers and the number that also are participating in SGIP; (2) Recorded billing data (including usage by TOU period) and revenue for participants; (3) Estimated revenue for alternative residential schedules based on recorded billing data.
- Prior to the next Phase II GRC, PG&E will analyze the feasibility of providing a program or programs for residential customers with battery storage that requires a minimum amount of remote dispatch of the storage unit at the direction of PG&E or the Independent System Operator. PG&E may conduct this analysis either for inclusion in the next Phase II GRC or as part of another Commission proceeding. The analysis shall consider technical, economic, and ratemaking challenges along with identifying potential benefits to the grid, non-participating customers, and California's GHG goals. PG&E shall consult with interested stakeholders in conjunction with its analysis.

C. Rate Changes Between GRC Phase II Proceedings

The Residential Rate Design Settling Parties agree that residential rates will be revised for changes to residential allocated revenue between GRC Phase II proceedings as provided by the MC/RA settlement and in accordance with the following guidelines:

1. Schedule E-1

Establish updated rates for Schedules E-1 and EL-1, while continuing to implement the glide path for structural rate changes to residential tiered rates as set forth by D.15-07-001, or subsequent related decisions. No party to this Settlement Agreement is precluded from making arguments in future proceedings to seek potential changes to the glide path.

2. Schedules E-6 and E-TOU

Continue the current practice to change E-TOU-A and E-TOU-B on an equal cent per kWh basis, and to change the E-6 tier differentials by the same amount as changes to E-1. Rate changes for all CARE TOU energy rates will be made such that the CARE discount will be the same across all TOU periods and rate tiers.

3. Schedule EV

Rate changes to Schedules EVA and EVB will be implemented on an equal cent per kWh basis. The Schedule EVA and EVB off peak rates of 15.0 cents per kWh will be adjusted for revenue requirement changes beginning January 1, 2019. Schedule EVA will remain available with the TOU periods and rate differentials established in this proceeding until it is re-evaluated in a future rate proceeding that will occur no sooner than the 2021 Rate Design Window proceeding, or no later than Phase II of the 2023 GRC Phase II.

4. 2018 Rate Design Window (RDW)

Except as provided for above as regards Schedule EV, above, all other residential rate options may be re-evaluated in the 2018 Rate Design Window. As noted above, the Residential Rate Design Settling Parties agree that the TOU periods and ongoing changes to those TOU periods for Schedules E-6 and E-TOU, be continued as set forth in the Settlement Agreement approved by D.15-11-013 in PG&E's 2015 Rate Design Window.

D. Contested Issues

PG&E's testimony on Master Meter Discount issues is provided in Revised Exhibit (PG&E-8), Chapter 4, Section F. The Residential Rate Design Settling Parties and WMA were unable to resolve their differences in settlement discussions and agreed that these issues should proceed to litigation.

V. TIMING OF RATE CHANGES

The provisions regarding the timing of this GRC Phase II rate change and rate changes between General Rate Cases, which are agreed to in the MC/RA Settlement Agreement, shall apply to this Residential Settlement Agreement, except as specifically noted above or otherwise determined by the Commission.

To the extent that any elements of this Residential Settlement Agreement will require employee training and/or changes to PG&E systems beyond those required for a normal change in rate value, these structural and system changes will be implemented by PG&E diligently as time

permits in a manner consistent with smooth operation of the systems involved. Structural changes necessary to implement the residential changes described in this settlement will be prioritized and coordinated with all residential initiatives approved by the Commission, including those associated with the Residential Rate Reform OIR and related decisions. The Residential Rate Design Settling Parties recognize that these changes are significant and may require an extended implementation period. When feasible, PG&E agrees to consolidate rate changes required by this settlement with rate changes that may arise in other proceedings.

VI. THE COMMISSION SHOULD ADOPT THE RESIDENTIAL RATE DESIGN SETTLEMENT AGREEMENT

A. Commission Policy Favors Settlements

The Commission has a history of supporting settlement of disputes if they are fair and reasonable in light of the whole record.^{11/} As the Commission has reiterated over the years, the “Commission favors settlement because they generally support worthwhile goals, including reducing the expense of litigation, conserving scarce Commission resources, and allowing parties to reduce the risk that litigation will produce unacceptable results.”^{12/} This strong public policy favoring settlements weighs in favor of the Commission resisting the temptation to alter the results of the negotiation process. As long as a settlement taken as a whole is reasonable in light of the record, consistent with the law, and in the public interest, it should be adopted.^{13/}

Each portion of this Residential Settlement Agreement is dependent upon the other portions of that same agreement. Changes to one portion of the Residential Settlement Agreement would

^{11/} D.05-03-022, mimeo, pp. 7-8, *citing* D.88-12-083 (30 CPUC 2d 189, 221-223) and D.91-05-029 (40 CPUC 2d. 301, 326).

^{12/} D.10-12-035, 2010 Cal PUC LEXIS 467 at *87; *and see* D.05-03-022, mimeo, p. 8, *citing* D.92-12-019, 46 CPUC 2d 538, 553. *See also* D.10-12-051, 2010 Cal. PUC LEXIS 566 at *55 (Commission decisions “express the strong public policy favoring settlement of disputes if they are fair and reasonable”); D.10-11-035, 2010 Cal. PUC LEXIS 495 at *17 (the Commission’s longstanding policy favoring settlement...reduces litigation expenses, conserves scarce Commission resources...” *and see* D.10-11-011, 2010 Cal. PUC LEXIS 533 at *50 (“There is a strong public policy favoring the settlement of disputes to avoid costly and protracted litigation.”))

^{13/} *See, generally*, D.05-03-022, mimeo, pp. 7-13.

alter the balance of interests and the mutually agreed upon compromises and outcomes contained in the Residential Settlement Agreement. As such, the Residential Rate Design Settling Parties request that this Residential Settlement Agreement be adopted as a whole by the Commission, without modification.

B. The Residential Settlement Agreement is Supported by All Parties Who Served Testimony on Residential Rate Design Issues

The Residential Settlement Agreement is reasonable because the Residential Rate Design Settling Parties represent all active parties who submitted testimony on the residential rate design issues in this proceeding.^{14/} In addition, the Residential Rate Design Settling Parties fairly represent the interests of the parties affected by this Residential Settlement Agreement.

C. The Residential Settlement Agreement is Reasonable in Light of the Record as a Whole

The Commission should adopt this Residential Settlement Agreement as reasonable in light of the entire record, as it represents reasonable compromises after careful review and discussion by all interested parties of the residential rate design proposals discussed above, after incorporating appropriate revisions and updates. Prior to reaching this settlement, five parties served testimony on residential rate design issues^{15/} and conducted discovery thereon. The Residential Rate Design Settling Parties' agreement represents reasonable compromises after careful review and discussion by all interested parties of the wide variety of residential rate design proposals presented in the

^{14/} Parties to the proceeding that did not sign this Residential Settlement Agreement, and did not serve testimony on residential rate design issues, were aware of residential rate design settlement talks but did not indicate an interest in participating in the residential rate design settlement subgroup. This situation – where all of the active parties who filed testimony on residential rate design subjects have all signed the Residential Settlement – is adequate because, under Rule 12.1 of the CPUC's Rules of Practice and Procedure, "settlements need not be joined by all parties." Indeed the CPUC has approved settlements in PG&E's 2011 and 2014 GRCs (approved in D. 11-05-047 and D.15-08-005 respectively) that included as signatories the subset of active parties who served testimony on that sub-issue in the proceeding.

^{15/} See, e.g., ORA Direct Testimony, Chapter 11 (Khoury), dated February 15, 2017; TURN Direct Testimony, Chapter IV (Marcus), dated March 15, 2017; SEIA Direct Testimony, Chapters V and VI (Beach), dated March 15, 2017; and CALSEIA Direct Testimony, Chapter 2 (Soleil), dated March 15, 2017.

parties' prepared testimony, after incorporating appropriate revisions and updates, as well as information obtained during discovery. This Residential Settlement Agreement was reached only after substantial give-and-take in arms-length negotiation, and after each party had made significant concessions to resolve issues in a manner that reflects a reasonable compromise of their litigation positions.^{16/}

The prepared testimony submitted in this proceeding, this Motion, and the attached Residential Settlement Agreement, contains sufficient information for the Commission to judge the reasonableness of the Residential Settlement Agreement, and for the Commission to discharge any future regulatory obligations with respect to this matter.

D. The Residential Settlement Agreement is Consistent with Law

In addition, this Residential Settlement Agreement is consistent with current law, as it complies with all applicable statutes and prior Commission decisions. These include Public Utilities Code Section 451, which requires that utility rates must be just and reasonable.

E. The Residential Settlement Agreement is in the Public Interest.

Finally, the Residential Settlement Agreement is in the public interest. This agreement is a reasonable compromise of the Residential Rate Design Settling Parties' respective positions, and is in the public interest as well as in the interest of PG&E's customers. Resolution of the issues and their outcome was achieved through participation of the Residential Rate Design Settling Parties during thirteen settlement conference calls or meetings over a six-month period – resulting in a balanced settlement for all ratepayers. It fairly resolves issues and provides more certainty to customers regarding their present and future costs, which is in the public interest. The Residential Settlement Agreement, if adopted by the Commission, avoids the time expense and uncertainty associated with further litigating these issues,^{17/} and frees up Commission resources for other

^{16/} D.13-11-003, mimeo, pp. 6-7; D. 13-07-029, mimeo, pp. 7-8; D.13-12-045, mimeo, pp. 10-11.

^{17/} D.13-11-003, mimeo, p. 8; D.13-12-045, mimeo, p. 12.

proceedings (as well as other issues in this proceeding). Given that the Commission's workload is extensive, the impact on Commission resources is doubly important. This Residential Settlement Agreement frees up the time and resources of other parties as well, so that they may focus on other proceedings (or other issues in this proceeding) that impact their constituencies.

F. The Residential Settlement Agreement is a Careful Balance of Interests Based on Agreed Compromise and Should Be Construed as an Integrated Whole.

Each portion of the Residential Settlement Agreement is dependent upon the other portions of the agreement. Changes to one portion of the Residential Settlement Agreement would alter the balance of interests and the mutually agreed upon compromises and outcomes which are contained in the agreement. To accommodate the interests related to diverse issues, the compromises made by the Residential Rate Design Settling Parties in one section of this Residential Settlement Agreement resulted in changes, concessions, or compromises by the Residential Rate Design Settling Parties in other sections. As such, the Residential Rate Design Settling Parties request that the Residential Settlement Agreement be adopted as a whole by the Commission, without modification, as it is reasonable in light of the whole record, consistent with law, and in the public interest.

VII. CONCLUSION

For the reasons set forth above, the Residential Rate Design Settling Parties respectfully request that the Commission:

1. Find the attached Residential Settlement Agreement to be reasonable in light of the whole record, consistent with law, and in the public interest;
2. Adopt the attached Residential Settlement Agreement without modification;
and
3. Grant such other relief as is necessary and proper.

Respectfully Submitted,

GAIL L. SLOCUM

By: /s/ Gail L. Slocum
GAIL L. SLOCUM

Pacific Gas and Electric Company
77 Beale Street, B30A
San Francisco, CA 94105
Telephone: (415) 973-6583
Facsimile: (415) 973-0516
E-Mail: Gail.Slocum@PGE.com

Attorneys for
PACIFIC GAS AND ELECTRIC COMPANY

Dated: January 24, 2018

On Behalf of the Residential Rate Design Settling
Parties

ATTACHMENT 1

SUPPLEMENTAL SETTLEMENT AGREEMENT IN PG&E'S GENERAL RATE CASE PHASE II (APPLICATION 16-06-013) ON RESIDENTIAL RATE DESIGN ISSUES

I. INTRODUCTION

In accordance with Article 12 of the Rules of Practice and Procedure of the California Public Utilities Commission (CPUC), the parties to this Residential Rate Design Settlement Agreement (Residential Rate Design Settling Parties, listed in Section II below) agree on a mutually acceptable outcome to all of the residential rate design issues presented in Application (A.) 16-06-013, Application of Pacific Gas and Electric Company to Revise Its Electric Marginal Costs, Revenue Allocation, and Rate Design.^{1/} The details of this Residential Rate Design Settlement Agreement (the Residential Settlement Agreement) are set forth herein.

The Residential Settlement Agreement is a direct result of the Administrative Law Judges'^{2/} and the Assigned Commissioner's^{3/} facilitation for the active parties to meet and seek a workable compromise. Although the active parties held differing views on certain aspects of residential rate design, they bargained earnestly and in good faith to seek a compromise and to develop this Residential Settlement Agreement, which is the product of arms-length negotiations among the Residential Rate Design Settling Parties on a number of disputed issues. These negotiations considered the interests of all active parties on residential rate design issues; the resulting Residential Settlement Agreement addresses each of these issues in a fair and balanced manner.

^{1/} PG&E's Residential Rate Design proposals were initially served along with its 2017 GRC Phase II Application on June 30, 2016, and thereafter updated that testimony on December 2, 2016 and November 2, 2017, respectively. (See Exhibit (PG&E-8), Chapter 4 (Quadrini, Coyne, Troup), dated December 2, 2016; updated in Exhibit (PG&E-14), dated November 2, 2017.)

^{2/} Originally this Application was assigned to ALJ McKinney. Subsequently, the CPUC reassigned this case to ALJs Cooke and Atamturk. The CPUC has recently reassigned this proceeding to ALJs Michelle Cooke and Patrick Doherty.

^{3/} The Assigned Commissioner for this proceeding is Commissioner Peterman.

The Residential Rate Design Settling Parties crafted this Residential Settlement Agreement by mutually accepting concessions and trade-offs among themselves. Thus, the various elements and sections of this Residential Settlement Agreement are intimately interrelated, and should not be altered, as the Residential Rate Design Settling Parties intend that the Residential Settlement Agreement be treated as a package solution that strives to balance and align the interests of each party. Accordingly, the Residential Rate Design Settling Parties respectfully request that the Commission approve each and every aspect of the Residential Settlement Agreement without modification. Any material change to this Residential Settlement Agreement shall render it null and void, unless all of the Residential Rate Design Settling Parties agree in writing to such changes.

This Residential Settlement Agreement is supplemental to the Settlement on Marginal Cost and Revenue Allocation in A.16-06-013, filed with the CPUC on October 26, 2017 (MC/RA Settlement Agreement) in that it uses the revenue allocation agreed to in the MC/RA Settlement Agreement, and addresses residential rate design issues that were not resolved in the MC/RA Settlement Agreement. The Residential Rate Design Settling Parties request that the complementary outcomes of this Residential Settlement Agreement and the MC/RA Settlement Agreement be consolidated in the Commission's final decision in this GRC Phase II proceeding.

II. RESIDENTIAL RATE DESIGN SETTLING PARTIES^{4/}

The Residential Rate Design Settling Parties are as follows:

- California Solar Energy Industries Association (CALSEIA);
- Center For Accessible Technology (CforAT)
- Office of Ratepayer Advocates (ORA);
- Pacific Gas and Electric Company (PG&E);

^{4/} In addition, the following parties participated in some or all settlement discussions, were not in a position to sign this settlement agreement, but indicated that they do not intend to oppose it: the County of Santa Clara.

- The Solar Energy Industries Association (SEIA); and
- The Utility Reform Network (TURN).

III. RESIDENTIAL SETTLEMENT AGREEMENT

This Residential Settlement Agreement resolves the issues raised by the Residential Rate Design Settling Parties in A.16-06-013 (PG&E's 2017 GRC Phase II) on residential rate design, subject to the conditions set forth below:

1. This Residential Settlement Agreement embodies the entire understanding and agreement of the Residential Rate Design Settling Parties with respect to the matters described, and it supersedes prior oral or written agreements, principles, negotiations, statements, representations, or understandings among the Residential Rate Design Settling Parties with respect to those matters. This Residential Settlement Agreement builds on and supplements the underlying marginal cost and revenue allocation in the MC/RA Settlement Agreement, and incorporates that agreement by reference.
2. This Residential Settlement Agreement represents a negotiated compromise among the Residential Rate Design Settling Parties' respective litigation positions on the matters described, and the Residential Rate Design Settling Parties have assented to the terms of this Residential Settlement Agreement only to arrive at the agreement embodied herein. Nothing contained in this Residential Settlement Agreement should be considered an admission of, acceptance of, agreement to, or endorsement of any disputed fact, principle, or position previously presented by any of the Residential Rate Design Settling Parties on these matters in this proceeding.
3. This Residential Settlement Agreement does not constitute and should not be used as a precedent regarding any principle or issue in this proceeding or in any future proceeding.

4. The Residential Rate Design Settling Parties agree that this Residential Settlement Agreement is reasonable in light of the testimony submitted, consistent with law, and in the public interest.
5. The Residential Rate Design Settling Parties agree that the language in all provisions of this Residential Settlement Agreement shall be construed according to its fair meaning and not for or against any Settling Party because that Settling Party or its counsel or advocate drafted the provision.
6. The Residential Rate Design Settling Parties agree that the Residential Settlement Agreement addresses all issues with regard to residential rate design except as specifically identified.
7. This Residential Settlement Agreement may be amended or changed only by a written agreement signed by the Residential Rate Design Settling Parties.
8. The Residential Rate Design Settling Parties shall jointly request Commission approval of this Residential Settlement Agreement and shall actively support its prompt approval. Active support shall include written and oral testimony if testimony is required, briefing if briefing is required, comments and reply comments on the proposed decision,^{5/} advocacy to Commissioners and their advisors as needed, and other appropriate means as needed to obtain the requested approval.
9. The Residential Rate Design Settling Parties intend that the terms of the Residential Settlement Agreement are to be interpreted and treated as a unified, integrated agreement incorporating the MC/RA Settlement Agreement, to the degree applicable to residential rate design. In the event the Commission rejects or modifies any portion of this Residential Settlement Agreement or the

^{5/} Any oral and written testimony or briefing that might be required by the CPUC, or comments on a Proposed Decision, may be prepared and submitted jointly by parties whose interests are similar.

underlying MC/RA Settlement Agreement, the Residential Rate Design Settling Parties reserve their rights under CPUC Rule 12.4, and the Residential Settlement Agreement should not be admitted into evidence in this or any other proceeding.

IV. PROCEDURAL AND SETTLEMENT HISTORY

The procedural and settlement history of this proceeding (A.16-06-013) is set forth in Section IV and Section V of the MC/RA Settlement Agreement filed in this proceeding on October 26, 2017, which is incorporated herein by reference. Testimony on residential rate issues was served by PG&E on June 30, 2016, and most recently updated that testimony on December 2, 2016 and November 2, 2017.^{6/} Responsive testimony on residential rate design issues was served on February 15, 2017 by ORA,^{7/} and on March 15, 2017 by TURN,^{8/} SEIA,^{9/} and CALSEIA.^{10/} The Western Manufactured Housing Communities Association (WMA) also served testimony on master meter discount issues that are not resolved in this settlement.^{11/}

V. SETTLEMENT TERMS

A. General Terms

Considering and both recognizing and compromising the litigation positions taken by the individual parties, the Residential Rate Design Settling Parties agree to the residential rate design set forth in this Residential Settlement Agreement. The residential rate design proposals presented in the Residential Settlement Agreement are reasonable in light of the entire record in this proceeding, and reflect a fair and balanced compromise of Residential Rate Design Settling Parties' proposals.

^{6/} See Exhibit (PG&E-8), Chapter 4 (Quadrini, Coyne, Troup), dated December 2, 2016, as updated in Exhibit (PG&E-14) dated November 2, 2017.

^{7/} See ORA Direct Testimony, Chapter 11 (Khoury), dated February 15, 2017.

^{8/} See TURN Direct Testimony, Chapter IV (Marcus), dated March 15, 2017.

^{9/} See SEIA Direct Testimony, Chapters V and VI (Beach), dated March 15, 2017.

^{10/} See CALSEIA Direct Testimony, Chapter 2 (Soleil), dated March 15, 2017.

^{11/} See WMA Direct Testimony (McCann), dated March 15, 2017.

The Residential Rate Design Settling Parties agree that all testimony served prior to the date of this Residential Settlement Agreement that addresses the issues resolved by this Residential Settlement Agreement should be admitted into evidence without cross-examination by the Residential Rate Design Settling Parties. The Residential Rate Design Settling Parties further agree that this Residential Settlement Agreement resolves all residential rate design issues in A.16-06-013, which are not being resolved through other settlement conferences in this proceeding, except as specified below. The Residential Rate Design Settling Parties request that the complementary outcomes of this Residential Settlement Agreement be consolidated into the Commission's final decision in this GRC Phase II proceeding. The Residential Rate Design Settling Parties further state that they believe the subset of residential rate design issues being resolved in this Residential Settlement Agreement are unopposed by any party.

The Residential Settlement Agreement describes the residential rate design as set forth below. The recommendations for residential rate design resolved by and presented in the Residential Settlement Agreement are reasonable and should be adopted without modification. In addition, the Residential Rate Design Settling Parties have identified one proposal (regarding updates to Electric Master Meter Discounts, described below), that they could not resolve through negotiations. The Residential Rate Design Settling Parties therefore agree that the remaining issues relating to Electric Master Meter Discounts should proceed to litigation.

The Residential Settlement Agreement accompanying this motion is supplemental to the MC/RA Settlement Agreement. The Residential Settlement Agreement uses the revenue allocation agreed to in the MC/RA Settlement, and addresses rate design issues that were not resolved in that initial settlement. The Residential Rate Design Settling Parties request that the complementary outcomes of the issues that were resolved without litigation in this Residential Settlement Agreement and the MC/RA Settlement Agreement, be consolidated into the Commission's final decision of this GRC Phase II proceeding.

This Residential Settlement Agreement describes the manner in which rates for residential customers will be designed, and includes the following fundamental components to which the Residential Rate Design Settling Parties have agreed, as follows:

B. Baseline Quantities

1. Electric Baseline Quantities

PG&E proposed revisions to its electric baseline quantities in Chapter 4, Section C1, of Revised Exhibit (PG&E-8). By statute, the CPUC can set baseline quantities anywhere between 50 to 60 percent of each baseline territory's usage (and for all-electric customers, it can be set between 60 to 70 percent, in winter). Baseline quantities for both a four-month summer season and a six-month summer season are required for specific applications in this proceeding. In both cases, PG&E proposed to continue to set baseline quantities at 52.5 percent average usage (and for all-electric customers at 62.5 percent in the winter). The Residential Rate Design Settling Parties have instead agreed to mitigate the reduction in baseline quantities resulting from PG&E's proposal by setting baseline quantities at 53.8 percent (and 63.8 percent for all electric customers in the winter) of average usage, with small adjustments to increase the baseline quantities in baseline territories X and T. Baseline quantities in territories X and T were increased slightly in both the summer and winter seasons in the case of six-month summer and six-month winter seasons, and increased slightly only in the winter season in the case of four-month summer and eight-month winter seasons.

In addition, the Residential Rate Design Settling Parties agree to : (a) Expand Territory Q, per the request of Santa Cruz County, to include additional customers from the Santa Cruz mountains area, and use the same baseline quantities as those established for Territory X in the summer and Territory P in the winter, whose climate is more similar to Territory Q; (b) Provide separate baseline quantities for Territories P and S in the summer, to parallel their separate treatment in winter, because there is enough difference between these two territories climate in summer that they should be treated separately; and (c) Modify the methodology for calculating

baseline quantities for Territory V, on the Humboldt County coast, to remove the inflationary effect of a very small number of extreme users on baseline calculations..

The Residential Rate Design Settling Parties agree that the resulting revised electric baseline quantities, set forth in Appendix A, are reasonable and should be adopted. The revised seasonal electric baseline quantities will be implemented, with revenue neutral rate adjustments, on the first seasonal cross-over date after a final CPUC decision is rendered in this proceeding. PG&E will implement baseline quantities with four-month summer and eight-month winter seasons for Schedules E-1 and EL-1, with revenue neutral adjustments, as early as January 1, 2019, but no later than the date determined by the Commission for the start of implementation of residential default time-of-use (TOU) rates for eligible residential customers.

2. Gas Baseline Quantities

PG&E proposed to update its natural gas baseline quantities *in* Revised Exhibit (PG&E-8), Chapter 4, Section C2. PG&E's proposal continues to use the currently-effective method, based on 60 percent of average usage in the summer and 70 percent of average usage in the winter, but with current usage data (for the four-year period from November 2011 – October 2015). The Residential Rate Design Settling Parties agree that the proposed gas baseline quantities are reasonable and should be adopted. The revised gas baseline quantities are set forth in Appendix B. Gas baseline quantities adopted in this proceeding will be implemented with revenue neutral adjustments on the first day of the next available season after the effective date of a final CPUC decision in this proceeding.

In PG&E's 2018 Gas Cost Allocation Proceeding (GCAP, A.17-09-006) PG&E uses the same historic period as was used in this proceeding to calculate proposed gas baseline allowances under its proposed 3 month peak winter and 9 month non-peak seasons. Because of the different seasonal structure, the seasonal allowances proposed in the 2018 GCAP are different than those proposed in this proceeding. If the CPUC adopts PG&E's or another 2018

GCAP baseline proposal, the GCAP-determined allowances would take precedence over those that are approved in this proceeding.

C. Illustrative Rates

The Residential Rate Design Settling Parties agree that rates to collect the revenue allocated to the Residential class under the MC/RA Settlement Agreement shall be designed consistent with the illustrative settlement rates set forth in Appendix C to this Residential Settlement Agreement. The Residential Rate Design Settling Parties further agree that the illustrative rates set forth in Appendix C are consistent with the revenue allocation set forth in Tables 1 and 2 of the MC/RA Settlement Agreement, which was based on March 1, 2017 effective rates.

The Residential Rate Design Settling Parties agree that the actual rates derived at the time of implementation of this Residential Settlement Agreement, once adopted by the CPUC, shall be designed on an overall revenue-neutral basis to collect the then-required revenue allocated to the residential class to reflect class level revenue allocation from the MC/RA Settlement Agreement. Adopted revenue in effect at the time of settlement implementation shall be applied to determine initial settlement rates. Therefore, the actual rates that will result when the Phase II rate changes are implemented will vary from those shown in Appendix C. However, these actual residential rates shall be based on the rate design methods described in this Residential Settlement Agreement.

1. Schedules E-1 and EL-1

The Residential Rate Design Settling Parties agree that the rates for Schedules E-1 and EL-1 will continue to be subject to change based on the Residential Rate Reform Order Instituting Rulemaking (RROIR), D. 15-07-001, and subsequent related decisions. Illustrative rates in Appendix C are based on the MC/RA Settlement Agreement and the adopted rate design for these schedules in place at the time of the settlement.

2. Medical Baseline

PG&E proposed revisions to the Medical Baseline program in Revised Exhibit (PG&E-8), Chapter 4, Section D. Three of the changes PG&E proposed were to: (a) Eliminate the 4 cent rate credit for non-California Alternate Rates for Energy (CARE) usage exceeding 200 percent of baseline; (b) Provide a rate discount in all tiers for non-CARE customers that is equal to the DWR bond charge; and (c) Revise the methodology for calculating usage by tier for all Medical Baseline customers (i.e., adopt PG&E's proposal to change the methodology for calculating Tier 2 and Tier 3 usage for Medical Baseline customers to the same methodology used for non-Medical Baseline customers.) The Residential Rate Design Settling Parties agree that these changes are reasonable and should be adopted.

PG&E also proposed to refine the eligibility requirements for customers who request multiple medical baseline quantities (see Revised Exhibit (PG&E-8), Chapter 4, Section D7). After settlement discussions, the Residential Rate Design Settling Parties agreed that these changes are not necessary, but instead have agreed to add the following amendment to the text of its Medical Baseline Application, as follows:

“The standard Medical Baseline allowance provides extra energy at the lowest price. Medical Baseline allowances are added to your standard rate plan Baseline allocation. For electricity, it is 16.438 kWh per day (500 kWh per month). This additional amount is equal to the daily consumption of an average electric household. For gas, it is 0.82192 therms per day (25 therms per month). This additional amount is equal to three-quarters of the daily consumption of an average gas household. IF THE MEDICAL BASELINE ALLOWANCES DO NOT MEET YOUR MEDICAL ENERGY NEEDS, PLEASE CONTACT PG&E AT 1-800-743-5000. More information about increasing medical baseline quantities can be found at pge.com/medicalbaselineguidelines.”

“You may also benefit by participating in energy savings programs such as Energy Upgrade California® Home Upgrade. For income-qualified customers, the Energy Savings Assistance Program (ESA) provides improvements at no charge. Visit pge.com/saveenergy for more information.

In addition, PG&E agrees to the following initiatives for Medical Baseline Marketing Education and Outreach:

- Offer ESA to residential CARE customers who request more than one medical allotment and/or are using significantly more energy than the average residential customer. Outreach will be handled by the ESA team. Non-CARE customers will be encouraged to take the Home Energy Checkup online at pge.com/waystosave.
- Develop a simple, easy-to-understand video that explains PG&E's Medical Baseline program. It will be translated into five languages (Spanish, Chinese, Vietnamese, Tagalog and Hmong) and include captioning for Americans with Disabilities Act (ADA) compliance, and be posted on pge.com in the relevant Medical Baseline Program section. PG&E will promote awareness of the video with Community Based Organizations and other relevant groups (e.g., clinics, hospitals) that interact with customers regarding bill payments and/or medical needs.

3. Schedules E-6 and E-TOU

The Residential Rate Design Settling Parties agree that the TOU periods and ongoing changes to those TOU periods, be continued as set forth in the Settlement Agreement approved by D.15-11-013 in the 2015 Rate Design Window. The Residential Rate Design Settling Parties further agree to the illustrative rates set forth in Appendix C. All CARE TOU energy rates in Appendix C are calculated such that the CARE discount is the same across all TOU periods and rate tiers.

PG&E further agrees to withdraw its proposed Schedule E-DMD.

4. Schedule EV

The Residential Rate Design Settling Parties agree to the following changes to Schedule EV (Electric Vehicles).

(a) Enrollment Limitation: Replace the current 60,000 enrollment limitation with the following usage limitation: EV customers cannot exceed 800 percent of their average annual baseline allowance, measured as the total usage for the customer over the last 12 months divided by the total annual baseline allowance using the then current approved baseline quantities. Those who do will be transferred to E-TOU-B, a similar rate that also has no tiers. Premises that have been removed from Schedule EV will be prohibited from

taking service on Schedule EV for 12 months, regardless of the name on the account, unless the name change is the result of the sale of the home.

(b) Rate Design: The Residential Rate Design Settling Parties agree that the TOU periods for Schedule EV should be revised as shown below. The Residential Rate Design Settling Parties further agree that the illustrative rates for Schedule EV provided in Appendix C are reasonable and should be adopted. However, these illustrative rates will be adjusted for revenue requirement and sales changes. Between March 1, 2017 and through 2018, the off peak rate of 15 cents per kilowatt-hour (kWh) will be retained and rates in other TOU periods will be adjusted to ensure the schedule is revenue neutral. Beginning January 1, 2019, Schedule EV rates (including the off peak rate) will be adjusted for revenue requirement and sales changes. Beginning January 1, 2019, revenue requirement and sales changes will be implemented as an equal cent per kWh adjustment such that the seasonal and TOU rate differentials remain the same (on a cents per kWh basis). The revised seasons and TOU periods for Schedule EV are provided below.

Seasons:

Summer: June – September

Winter: October – May

TOU Periods:

Peak: 4PM – 9PM, All Days

Part-Peak: 3PM – 4PM & 9PM – 12AM, All Days

Off-Peak: 12AM – 3PM, All Days

(c) Open Schedule EVA to storage customers. The Residential Rate Design Settling Parties agree that customers with battery storage may take service on this rate schedule on a pilot basis subject to the Schedule EV usage limitation (above) and subject to the following terms and limitations:

- Participation will be capped at 30,000 storage-only customers. Customers that have both an electric vehicle *and* battery storage will not count toward the participation cap. Eligible customers must apply for interconnection and be granted permission to operate in order to take service on Schedule EV.
- The Residential Rate Design Settling Parties will confer with regard to the future of the program when participation reaches 15,000 storage-only customers.
- Participation is open to all residential customers (up to the cap), including those with an existing Photovoltaic (PV) system. There is no prohibition on participating customers from later installing a PV system.
- After reaching 5,000 storage-only participants, PG&E will update its website with the current total number of storage-only enrollment; and will continue to update the website for each increment of 5,000 storage-only customers enrolled.

- The installed capacity of storage, in kWh, must be at least 0.05% of the customer's annual consumption from the previous twelve months for customers with more than 6,000 kWh of annual usage. The installed storage capacity for customers with 6,000 kWh or less of annual usage must be at least 2 kWh.
- Annually, PG&E will report on the storage component of Schedule EV: (1) Number of participating storage-only customers and the number that also are participating in SGIP; (2) Recorded billing data (including usage by TOU period) and revenue for participants; (3) Estimated revenue for alternative residential schedules based on recorded billing data.
- Prior to the next Phase II GRC, PG&E will analyze the feasibility of providing a program or programs for residential customers with battery storage that requires a minimum amount of remote dispatch of the storage unit at the direction of PG&E or the Independent System Operator. PG&E may conduct this analysis either for inclusion in the next Phase II GRC or as part of another Commission proceeding. The analysis shall consider technical, economic, and ratemaking challenges along with identifying potential benefits to the grid, non-participating customers, and California's GHG goals. PG&E shall consult with interested stakeholders in conjunction with its analysis.

D. Rate Changes Between GRC Phase II Proceedings

The Residential Rate Design Settling Parties agree that residential rates will be revised for changes to residential allocated revenue between GRC Phase II proceedings as provided by the MC/RA settlement and in accordance with the following guidelines:

1. Schedule E-1

Establish updated rates for Schedules E-1 and EL-1, while continuing to implement the glide path for structural rate changes to residential tiered rates as set forth by D.15-07-001, or subsequent related decisions. No party to this Settlement Agreement is precluded from making arguments in future proceedings to seek potential changes to the glide path.

2. Schedules E-6 and E-TOU

Continue the current practice to change E-TOU-A and E-TOU-B on an equal cent per kWh basis, and to change the E-6 tier differentials by the same amount as changes to E-1. Rate

changes for all CARE TOU energy rates will be made such that the CARE discount will be the same across all TOU periods and rate tiers.

3. Schedule EV

Rate changes to Schedules EVA and EVB will be implemented on an equal cent per kWh basis. The Schedule EVA and EVB off peak rates of 15.0 cents per kWh will be adjusted for revenue requirement changes beginning January 1, 2019. Schedule EVA will remain available with the TOU periods and rate differentials established in this proceeding until it is re-evaluated in a future rate proceeding that will occur no sooner than the 2021 Rate Design Window proceeding, or no later than Phase II of the 2023 GRC Phase II.

4. 2018 Rate Design Window (RDW)

Except as provided for above as regards Schedule EV, above, all other residential rate options may be re-evaluated in the 2018 Rate Design Window. As noted above, the Residential Rate Design Settling Parties agree that the TOU periods and ongoing changes to those TOU periods for Schedules E-6 and E-TOU, be continued as set forth in the Settlement Agreement approved by D.15-11-013 in the 2015 Rate Design Window.

E. Contested Issues

PG&E's testimony on Master Meter Discount issues is provided in Revised Exhibit (PG&E-8), Chapter 4, Section F. The Residential Rate Design Settling Parties and WMA were unable to resolve their differences in settlement discussions and agreed that these issues should proceed to litigation.

VI. TIMING OF RATE CHANGES

The provisions regarding the timing of rate changes in PG&E's 2017 GRC Phase II, and rate changes between General Rate Cases, agreed to in the MC/RA Settlement Agreement, shall apply to this Residential Settlement Agreement unless specifically noted above or otherwise determined by the Commission.

To the extent that any elements of this Residential Settlement Agreement will require employee training and/or changes to PG&E systems beyond those required for a normal change in rate value, these structural and system changes will be implemented by PG&E diligently as time permits, in a manner consistent with smooth operations of the systems involved. Structural changes necessary to implement the residential changes described in this settlement will be prioritized and coordinated with all residential initiatives approved by the Commission, including those associated with the Residential Rate Reform OIR and related decisions. The Residential Rate Design Settling Parties recognize that these changes are significant and may require an extended implementation period. When feasible, PG&E agrees to consolidate rate changes required by this settlement with rate changes that may arise in other proceedings.

VII. SETTLEMENT EXECUTION

This Residential Settlement Agreement may be executed in separate counterparts by different Residential Rate Design Settling Parties hereto and all so executed will be binding and have the same effect as if all the Residential Rate Design Settling Parties had signed one and the same document. Each such counterpart will be deemed to be an original, but all of which together shall constitute one and the same instrument, notwithstanding that the signatures of all the Residential Rate Design Settling Parties do not appear on the same page of this Residential Settlement Agreement. This Residential Settlement Agreement shall become effective among the Residential Rate Design Settling Parties on the date the last Settling Party executes the Residential Settlement Agreement, as indicated below. In witness whereof and intending to be legally bound by the Terms and Conditions of this Residential Settlement Agreement as stated above, the Residential Rate Design Settling Parties duly execute this Residential Settlement Agreement on behalf of the Residential Rate Design Settling Parties they represent, as follows:

The undersigned represent that they are authorized to sign on behalf of the Party represented, for the purposes of this 2017 GRC Phase II Residential Settlement Agreement.

California Solar Energy Industries Association

By: B. H.

Title: Policy Director

Date: 1-18-18

The undersigned represent that they are authorized to sign on behalf of the Party represented, for the purposes of this 2017 GRC Phase II Residential Settlement Agreement.

Center for Accessible Technology

By: _____

Title: LEGAL DIRECTOR

Date: _____

1/17/18

The undersigned represent that they are authorized to sign on behalf of the Party represented, for the purposes of this 2017 GRC Phase II Residential Settlement Agreement.

The Office of Ratepayer Advocates

By: Elizabeth Echob

Title: Director

Date: 1-24-17

The undersigned represent that they are authorized to sign on behalf of the Party represented, for the purposes of this 2017 GRC Phase II Residential Settlement Agreement.

Pacific Gas & Electric Company

By: Gail L. Stocum

^{PAGE} Title: Chief Counsel, Rate-making

Date: 2/24/18

The undersigned represent that they are authorized to sign on behalf of the Party represented, for the purposes of this 2017 GRC Phase II Residential Settlement Agreement.

Solar Energy Industries Association

By:
Rick Umoff



Title: Regulatory Counsel and California Director

Date: January 12, 2018

The undersigned represent that they are authorized to sign on behalf of the Party represented, for the purposes of this 2017 GRC Phase II Residential Settlement Agreement.

The Utility Reform Network

By: Matthew Freedman

Title: Staff Attorney

Date: 1/18/2018

A handwritten signature in dark ink, appearing to read "Matthew Freedman", written over a horizontal line.

Appendix A

Electric Baseline Quantities

PACIFIC GAS & ELECTRIC COMPANY												
RESIDENTIAL TARGET BASELINE QUANTITIES BASED ON 2011-2015 USAGE (1)												
Current Baseline Quantities (4-Month Summer) vs. Proposed 4-Month Summer												
	SUMMER (2)			WINTER (2)			SUMMER (2)			WINTER (2)		
	2017			2017			2017			2017		
	Current	Target	Pctg.	Current	Target	Pctg.	Current	Target	Pctg.	Current	Target	Pctg.
TERRITORY	Daily	Daily	Chg.	Daily	Daily	Chg.	Daily	Daily	Chg.	Daily	Daily	Chg.
	E-1, ES, ESR, ET, ETOU, EV (3)						EM (4)					
	(and CARE)						(and CARE)					
	ALL-ELECTRIC QUANTITIES (kWh)						ALL-ELECTRIC QUANTITIES (kWh)					
P	17.4	16.0	-8.0%	27.8	27.4	-1.4%	9.1	8.8	-3.3%	15.4	14.7	-4.5%
Q	8.2	8.9	8.5%	27.8	27.4	-1.4%	5.4	7.3	35.2%	15.4	14.7	-4.5%
R	20.6	20.9	1.5%	28.6	28.1	-1.7%	9.2	9.6	4.3%	15.4	13.6	-11.7%
S	17.4	18.7	7.5%	25.8	24.9	-3.5%	9.1	9.8	7.7%	15.3	13.1	-14.4%
T	8.2	7.5	-8.5%	14.1	13.6	-3.5%	5.4	5.1	-5.6%	9.8	9.0	-8.2%
V	13.2	10.9	-17.4%	25.3	16.9	-33.2%	8.0	6.3	-21.3%	14.5	11.2	-22.8%
W	23.3	23.6	1.3%	20.5	20.0	-2.4%	10.3	11.7	13.6%	12.9	11.8	-8.5%
X	9.4	8.9	-5.3%	15.9	15.4	-3.1%	7.5	7.3	-2.7%	14.0	12.9	-7.9%
Y	12.8	12.6	-1.6%	25.6	25.3	-1.2%	8.1	7.1	-12.3%	18.0	14.4	-20.0%
Z	7.4	7.0	-5.4%	17.2	16.5	-4.1%	4.8	4.0	-16.7%	12.5	9.4	-24.8%
	BASIC QUANTITIES (kWh)						BASIC QUANTITIES (kWh)					
P	15.3	14.2	-7.2%	11.9	12.0	0.8%	5.9	4.8	-18.6%	5.6	5.2	-7.1%
Q	7.0	10.3	47.1%	11.9	12.0	0.8%	3.9	5.4	38.5%	5.6	5.2	-7.1%
R	17.6	18.6	5.7%	11.1	11.3	1.8%	6.6	7.9	19.7%	5.3	5.2	-1.9%
S	15.3	15.8	3.3%	11.2	11.1	-0.9%	5.9	6.7	13.6%	5.1	5.2	2.0%
T	7.0	6.8	-2.9%	8.2	8.2	0.0%	3.9	3.8	-2.6%	4.8	4.5	-6.3%
V	8.6	7.5	-12.8%	10.3	8.8	-14.6%	4.3	4.2	-2.3%	5.2	5.0	-3.8%
W	19.2	20.2	5.2%	10.5	10.7	1.9%	7.4	8.2	10.8%	5.5	5.3	-3.6%
X	10.5	10.3	-1.9%	10.6	10.5	-0.9%	5.4	5.4	0.0%	6.2	5.9	-4.8%
Y	10.8	11.0	1.9%	12.0	12.1	0.8%	9.0	8.0	-11.1%	8.3	8.3	0.0%
Z	6.2	6.2	0.0%	8.2	8.1	-1.2%	5.3	4.5	-15.1%	5.9	5.6	-5.1%

(1) Usage is from October 2011 through September 2015.

(2) The Summer season is June through September for Electric and April through October for Gas.

(3) These baseline allowances cover 98 percent of electric households in PG&E's service territory.

(4) These baseline allowances cover 2 percent of electric households in PG&E's service territory.

PACIFIC GAS & ELECTRIC COMPANY												
RESIDENTIAL TARGET BASELINE QUANTITIES BASED ON 2011-2015 USAGE (1)												
Current Baseline Quantities (6-Month Summer) vs. Settlement 6-Month Summer												
	SUMMER (2)			WINTER (2)			SUMMER (2)			WINTER (2)		
	2017			2017			2017			2017		
TERRITORY	Current Daily	Target Daily	Pctg. Chg.	Current Daily	Target Daily	Pctg. Chg.	Current Daily	Target Daily	Pctg. Chg.	Current Daily (3)	Target Daily	Pctg. Chg.
	E-1, ES, ESR, ET, ETOU, EV (3) (and CARE)						EM (4) (and CARE)					
	ALL-ELECTRIC QUANTITIES (kWh)						ALL-ELECTRIC QUANTITIES (kWh)					
P	16.4	15.2	-7.3%	29.6	29.2	-1.4%	9.1	8.3	-8.8%	15.4	15.8	2.6%
Q	8.3	8.7	4.8%	29.6	29.2	-1.4%	5.4	7.3	35.2%	15.4	15.8	2.6%
R	18.8	19.2	2.1%	29.8	29.4	-1.3%	9.2	8.8	-4.3%	15.4	14.5	-5.8%
S	16.4	17.3	5.5%	27.1	26.3	-3.0%	9.1	9.2	1.1%	15.3	13.8	-9.8%
T	8.3	7.7	-7.2%	14.9	14.4	-3.4%	5.4	5.2	-3.7%	9.8	9.6	-2.0%
V	13.6	11.2	-17.6%	26.6	18.5	-30.5%	8.0	6.9	-13.8%	14.5	12.3	-15.2%
W	20.8	21.1	1.4%	20.6	19.9	-3.4%	10.3	10.6	2.9%	12.9	12.2	-5.4%
X	9.3	8.8	-5.4%	16.7	16.2	-3.0%	7.5	7.3	-2.7%	14.0	13.7	-2.1%
Y	13.0	12.6	-3.1%	27.1	26.8	-1.1%	8.1	7.1	-12.3%	18.0	14.9	-17.2%
Z	7.7	7.0	-9.1%	18.7	18.0	-3.7%	4.8	4.0	-16.7%	12.5	10.0	-20.0%
	BASIC QUANTITIES (kWh)						BASIC QUANTITIES (kWh)					
P	13.8	13.0	-5.8%	12.3	12.5	1.6%	5.9	4.6	-22.0%	5.6	5.6	0.0%
Q	7.0	9.9	41.4%	12.3	12.5	1.6%	3.9	5.3	35.9%	5.6	5.6	0.0%
R	15.6	16.5	5.8%	11.0	11.1	0.9%	6.6	7.1	7.6%	5.3	5.2	-1.9%
S	13.8	14.3	3.6%	11.2	11.1	-0.9%	5.9	6.2	5.1%	5.1	5.3	3.9%
T	7.0	6.8	-2.9%	8.5	8.4	-1.2%	3.9	3.8	-2.6%	4.8	4.6	-4.2%
V	8.7	7.6	-12.6%	10.6	9.2	-13.2%	4.3	4.1	-4.7%	5.2	5.1	-1.9%
W	16.8	17.8	6.0%	10.1	10.1	0.0%	7.4	7.3	-1.4%	5.5	5.3	-3.6%
X	10.1	9.9	-2.0%	10.9	10.7	-1.8%	5.4	5.3	-1.9%	6.2	6.1	-1.6%
Y	10.6	10.7	0.9%	12.6	12.7	0.8%	9.0	6.7	-25.6%	8.3	8.5	2.4%
Z	6.2	6.1	-1.6%	9.0	8.9	-1.1%	5.3	3.8	-28.3%	5.9	5.9	0.0%

(1) Usage is from October 2011 through September 2015.

(2) The Summer season is June through September for Electric and April through October for Gas.

(3) These baseline allowances cover 98 percent of electric households in PG&E's service territory.

(4) These baseline allowances cover 2 percent of electric households in PG&E's service territory.

PACIFIC GAS & ELECTRIC COMPANY

RESIDENTIAL TARGET BASELINE QUANTITIES BASED ON 2011-2015 USAGE (1)

Current 6-Month Baseline Quantities vs. 4-Month Settlement Baseline Quantities

Individually Metered Schedules (2)

	June-September			November-April			May & October		
	Current	Settle.	Pctg.	Current	Settle.	Pctg.	Current	Settle.	Pctg.
TERRITORY	Daily	Daily	Chg.	Daily	Daily	Chg.	Daily	Daily	Chg.
	ALL-ELECTRIC QUANTITIES (kWh) (16% of Customers)								
P	16.4	16.0	-2.4%	29.6	27.4	-7.4%	16.4	27.4	67.1%
Q	8.3	8.9	7.2%	29.6	27.4	-7.4%	8.3	27.4	230.1%
R	18.8	20.9	11.2%	29.8	28.1	-5.7%	18.8	28.1	49.5%
S	16.4	18.7	14.0%	27.1	24.9	-8.1%	16.4	24.9	51.8%
T	8.3	7.5	-9.6%	14.9	13.6	-8.7%	8.3	13.6	63.9%
V	13.6	10.9	-19.9%	26.6	16.9	-36.5%	13.6	16.9	24.3%
W	20.8	23.6	13.5%	20.6	20.0	-2.9%	20.8	20.0	-3.8%
X	9.3	8.9	-4.3%	16.7	15.4	-7.8%	9.3	15.4	65.6%
Y	13.0	12.6	-3.1%	27.1	25.3	-6.6%	13.0	25.3	94.6%
Z	7.7	7.0	-9.1%	18.7	16.5	-11.8%	7.7	16.5	114.3%
	BASIC QUANTITIES (kWh) (84% of Customers)								
P	13.8	14.2	2.9%	12.3	12.0	-2.4%	13.8	12.0	-13.0%
Q	7.0	10.3	47.1%	12.3	12.0	-2.4%	7.0	12.0	71.4%
R	15.6	18.6	19.2%	11.0	11.3	2.7%	15.6	11.3	-27.6%
S	13.8	15.8	14.5%	11.2	11.1	-0.9%	13.8	11.1	-19.6%
T	7.0	6.8	-2.9%	8.5	8.2	-3.5%	7.0	8.2	17.1%
V	8.7	7.5	-13.8%	10.6	8.8	-17.0%	8.7	8.8	1.1%
W	16.8	20.2	20.2%	10.1	10.7	5.9%	16.8	10.7	-36.3%
X	10.1	10.3	2.0%	10.9	10.5	-3.7%	10.1	10.5	4.0%
Y	10.6	11.0	3.8%	12.6	12.1	-4.0%	10.6	12.1	14.2%
Z	6.2	6.2	0.0%	9.0	8.1	-10.0%	6.2	8.1	30.6%

(1) Usage is from October 2011 through September 2015.				
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(2) These baseline allowances cover 98 percent of electric households in PG&E's service territory.

Appendix B

Gas Baseline Quantities

PACIFIC GAS & ELECTRIC COMPANY
RESIDENTIAL TARGET BASELINE QUANTITIES BASED ON 2011-2015 USAGE (1)
Current vs. Proposed Gas Baseline Quantities

TERRITORY	SUMMER (2) 2017			WINTER (2) 2017			SUMMER (2) 2017			WINTER (2) 2017		
	Current Daily	Target Daily	Pctg. Chg.	Current Daily	Target Daily	Pctg. Chg.	Current Daily	Target Daily	Pctg. Chg.	Current Daily	Target Daily	Pctg. Chg.
	G-1, GS, GT (and CARE) GAS QUANTITIES (therms)						GM (and CARE) GAS QUANTITIES (therms)					
P	0.46	0.39	-15.2%	2.18	1.92	-11.9%	0.33	0.29	-12.1%	1.06	0.86	-18.9%
Q	0.65	0.59	-9.2%	2.02	1.85	-8.4%	0.59	0.52	-11.9%	0.79	0.69	-12.7%
R	0.43	0.36	-16.3%	1.82	1.65	-9.3%	0.36	0.33	-8.3%	1.26	0.99	-21.4%
S	0.46	0.39	-15.2%	1.92	1.75	-8.9%	0.33	0.29	-12.1%	0.66	0.60	-9.1%
T	0.65	0.59	-9.2%	1.79	1.59	-11.2%	0.59	0.52	-11.9%	1.12	0.99	-11.6%
V	0.69	0.59	-14.5%	1.79	1.69	-5.6%	0.56	0.49	-12.5%	1.22	1.16	-4.9%
W	0.46	0.39	-15.2%	1.69	1.52	-10.1%	0.29	0.26	-10.3%	0.89	0.76	-14.6%
X	0.59	0.49	-16.9%	2.02	1.85	-8.4%	0.36	0.33	-8.3%	0.79	0.69	-12.7%
Y	0.82	0.69	-15.9%	2.64	2.35	-11.0%	0.49	0.39	-20.4%	1.06	0.86	-18.9%

- (1) Usage is from November 2011 through October 2015.
- (2) The Summer season is June through September for Electric and April through October for Gas.
 The Winter season is October through May for Electric and November through March for Gas.
- (3) These baseline allowances cover 98 percent of electric households in PG&E's service territory.
- (4) These baseline allowances cover 2 percent of electric households in PG&E's service territory.

Appendix C
Illustrative Electric Rates

Pacific Gas and Electric Company
2017 General Rate Case - Phase II
Residential Rate Design Settlement Agreement Appendix C
Present and Illustrative Proposed Rates

E-1	PRESENT RATES						PROPOSED RATES							
	Distr	Gen	PPP	CIA	Other	Total		Distr	Gen	PPP	CIA	Other	Total	
ENERGY CHARGE (/kWh)														
Baseline Usage	.08274	.09838	.01501	(.03549)	.03915	.19979		.08127	.09905	.01495	(.03706)	.03915	.19735	
101% - 130% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
131% - 200% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
201% - 400% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
Over 400% of Baseline	.08274	.09838	.01501	.16611	.03915	.40139		.08127	.09905	.01495	.16207	.03915	.39649	
MINIMUM CHARGE														
(/meter/day)	*		.03122		.00309	.32854	10.00	*		.03117		.00309	.32854	10.00
(/kWh)					.03767							.03767		
EM														
	Distr	Gen	PPP	CIA	Other	Total		Distr	Gen	PPP	CIA	Other	Total	
ENERGY CHARGE (/kWh)														
Baseline Usage	.08274	.09838	.01501	(.03549)	.03915	.19979		.08127	.09905	.01495	(.03706)	.03915	.19735	
101% - 130% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
131% - 200% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
201% - 400% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
Over 400% of Baseline	.08274	.09838	.01501	.16611	.03915	.40139		.08127	.09905	.01495	.16207	.03915	.39649	
MINIMUM CHARGE														
(/meter/day)	*		.03122		.00309	.32854	10.00	*		.03117		.00309	.32854	10.00
(/kWh)					.03767							.03767		
ES														
	Distr	Gen	PPP	CIA	Other	Total		Distr	Gen	PPP	CIA	Other	Total	
ENERGY CHARGE (/kWh)														
Baseline Usage	.08274	.09838	.01501	(.03549)	.03915	.19979		.08127	.09905	.01495	(.03706)	.03915	.19735	
101% - 130% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
131% - 200% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
201% - 400% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
Over 400% of Baseline	.08274	.09838	.01501	.16611	.03915	.40139		.08127	.09905	.01495	.16207	.03915	.39649	
MINIMUM CHARGE														
(/meter/day)	*		.03122		.00309	.32854	10.00	*		.03117		.00309	.32854	10.00
(/kWh)					.03767							.03767		
DISCOUNT (/dwelling unit/day)	.05947					.05947	1.81	.02497					.02497	.76
MARL (/kWh)		.03892			.01000				.03892			.01000	.04892	
	*	Calculated residually as total less sum of other charges.						*	Calculated residually as total less sum of other charges.					

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ESR	PRESENT RATES						PROPOSED RATES						
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total	
ENERGY CHARGE (/kWh)													
Baseline Usage	.08274	.09838	.01501	(.03549)	.03915	.19979	.08127	.09905	.01495	(.03706)	.03915	.19735	
101% - 130% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275	
131% - 200% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275	
201% - 400% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275	
Over 400% of Baseline	.08274	.09838	.01501	.16611	.03915	.40139	.08127	.09905	.01495	.16207	.03915	.39649	
MINIMUM CHARGE													
(/meter/day)	*		.03122		.00309	.32854	10.00	*		.03117	.00309	.32854	10.00
(/kWh)					.03767						.03767		
ET													
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total	
ENERGY CHARGE (/kWh)													
Baseline Usage	.08274	.09838	.01501	(.03549)	.03915	.19979	.08127	.09905	.01495	(.03706)	.03915	.19735	
101% - 130% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275	
131% - 200% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275	
201% - 400% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275	
Over 400% of Baseline	.08274	.09838	.01501	.16611	.03915	.40139	.08127	.09905	.01495	.16207	.03915	.39649	
MINIMUM CHARGE													
(/meter/day)	*		.03122		.00309	.32854	10.00	*		.03117	.00309	.32854	10.00
(/kWh)					.03767						.03767		
DISCOUNT (/dwelling unit/day)	.18825					.18825	5.73	.03877				.03877	1.18
MARL (/kWh)		.03892			.01000			.03892			.01000	.04892	
	*	Calculated residually as total less sum of other charges.						*	Calculated residually as total less sum of other charges.				

Pacific Gas and Electric Company
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E-6	PRESENT RATES						PROPOSED RATES					
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total
ENERGY CHARGE (/kWh)												
Summer												
Peak												
Baseline Usage	.24605	.21671	.01501	(.15759)	.03915	.35933	.12078	.13274	.01495	(.00534)	.03915	.30229
101% - 130% of Baseline	.24605	.21671	.01501	(.08126)	.03915	.43566	.12078	.13274	.01495	.08253	.03915	.39016
131% - 200% of Baseline	.24605	.21671	.01501	(.08126)	.03915	.43566	.12078	.13274	.01495	.08253	.03915	.39016
201% - 400% of Baseline	.24605	.21671	.01501	(.08126)	.03915	.43566	.12078	.13274	.01495	.08253	.03915	.39016
Over 400% of Baseline	.24605	.21671	.01501	(.08126)	.03915	.43566	.12078	.13274	.01495	.08253	.03915	.39016
Part-Peak												
Baseline Usage	.09842	.11384	.01501	(.02236)	.03915	.24406	.10427	.14055	.01495	(.05463)	.03915	.24428
101% - 130% of Baseline	.09842	.11384	.01501	.05397	.03915	.32039	.10427	.14055	.01495	.03324	.03915	.33215
131% - 200% of Baseline	.09842	.11384	.01501	.05397	.03915	.32039	.10427	.14055	.01495	.03324	.03915	.33215
201% - 400% of Baseline	.09842	.11384	.01501	.05397	.03915	.32039	.10427	.14055	.01495	.03324	.03915	.33215
Over 400% of Baseline	.09842	.11384	.01501	.05397	.03915	.32039	.10427	.14055	.01495	.03324	.03915	.33215
Off-Peak												
Baseline Usage	.04921	.07185	.01501	(.00794)	.03915	.16728	.08124	.09304	.01495	(.04513)	.03915	.18325
101% - 130% of Baseline	.04921	.07185	.01501	.06840	.03915	.24362	.08124	.09304	.01495	.04274	.03915	.27111
131% - 200% of Baseline	.04921	.07185	.01501	.06840	.03915	.24362	.08124	.09304	.01495	.04274	.03915	.27111
201% - 400% of Baseline	.04921	.07185	.01501	.06840	.03915	.24362	.08124	.09304	.01495	.04274	.03915	.27111
Over 400% of Baseline	.04921	.07185	.01501	.06840	.03915	.24362	.08124	.09304	.01495	.04274	.03915	.27111
Winter												
Part-Peak												
Baseline Usage	.09456	.09516	.01501	(.05543)	.03915	.18845	.07730	.10115	.01495	(.04116)	.03915	.19139
101% - 130% of Baseline	.09456	.09516	.01501	.02090	.03915	.26478	.07730	.10115	.01495	.04671	.03915	.27926
131% - 200% of Baseline	.09456	.09516	.01501	.02090	.03915	.26478	.07730	.10115	.01495	.04671	.03915	.27926
201% - 400% of Baseline	.09456	.09516	.01501	.02090	.03915	.26478	.07730	.10115	.01495	.04671	.03915	.27926
Over 400% of Baseline	.09456	.09516	.01501	.02090	.03915	.26478	.07730	.10115	.01495	.04671	.03915	.27926
Off-Peak												
Baseline Usage	.06304	.08362	.01501	(.02920)	.03915	.17162	.07507	.08367	.01495	(.04146)	.03915	.17138
101% - 130% of Baseline	.06304	.08362	.01501	.04713	.03915	.24795	.07507	.08367	.01495	.04641	.03915	.25924
131% - 200% of Baseline	.06304	.08362	.01501	.04713	.03915	.24795	.07507	.08367	.01495	.04641	.03915	.25924
201% - 400% of Baseline	.06304	.08362	.01501	.04713	.03915	.24795	.07507	.08367	.01495	.04641	.03915	.25924
Over 400% of Baseline	.06304	.08362	.01501	.04713	.03915	.24795	.07507	.08367	.01495	.04641	.03915	.25924
CUSTOMER CHARGE (/meter/day)	.25298					.25298	.00000					.00000 .00
MINIMUM CHARGE												
(/meter/day)	*		.03122		.00309	.32854 10.00	*		.03117		.00309	.32854 10.00
(/kWh)					.03767						.03767	

* Calculated residually as total less sum of other charges.

* Calculated residually as total less sum of other charges.

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	PRESENT RATES						PROPOSED RATES					
EVA (Electric Vehicles)												
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total
ENERGY CHARGE (/kWh)												
Summer												
Peak	.16880	.23092	.01501	.00000	.03915	.45388	.20693	.16652	.01495	.00000	.03915	.42755
Part-Peak	.08441	.11128	.01501	.00000	.03915	.24986	.14114	.12181	.01495	.00000	.03915	.31706
Off-Peak	.01215	.05593	.01501	.00000	.03915	.12224	.01522	.08067	.01495	.00000	.03915	.14999
Winter												
Part-Peak	.17972	.08629	.01501	.00000	.03915	.32018	.13669	.10965	.01495	.00000	.03915	.30044
Part-Peak	.08986	.05391	.01501	.00000	.03915	.19793	.13248	.09716	.01495	.00000	.03915	.28374
Off-Peak	.01294	.05792	.01501	.00000	.03915	.12502	.02221	.07368	.01495	.00000	.03915	.14999
CUSTOMER CHARGE (/meter/day)	.00000					.00000	.00000					.00000
												.00
EVB (Electric Vehicles)												
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total
ENERGY CHARGE (/kWh)												
Summer												
Peak	.16229	.23092	.01501	.00000	.03915	.44737	.20367	.16652	.01495	.00000	.03915	.42430
Part-Peak	.08115	.11128	.01501	.00000	.03915	.24660	.13789	.12181	.01495	.00000	.03915	.31380
Off-Peak	.01169	.05593	.01501	.00000	.03915	.12177	.01196	.08067	.01495	.00000	.03915	.14673
Winter												
Part-Peak	.17279	.08629	.01501	.00000	.03915	.31324	.13344	.10965	.01495	.00000	.03915	.29719
Part-Peak	.08639	.05391	.01501	.00000	.03915	.19447	.12922	.09716	.01495	.00000	.03915	.28048
Off-Peak	.01244	.05792	.01501	.00000	.03915	.12453	.01895	.07368	.01495	.00000	.03915	.14673
CUSTOMER CHARGE (/meter/day)	.04928					.04928	.04928					.04928
						1.50						1.50
E-TOU A tiered												
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total
ENERGY CHARGE (\$/kWh)												
Summer												
Peak	.10183	.18232	.00397	.05504	.03915	.38231	.08917	.17077	.01495	.04198	.03915	.35602
Off-Peak	.10183	.10674	.00397	.05504	.03915	.30673	.08917	.10258	.01495	.04198	.03915	.28783
Baseline Credit				(.08830)		(.08830)				(.08787)		(.08787)
Winter												
Peak	.07120	.09498	.00397	.05504	.03915	.26434	.08917	.10182	.01495	.04198	.03915	.28708
Off-Peak	.07120	.08068	.00397	.05504	.03915	.25004	.08917	.08778	.01495	.04198	.03915	.27303
Baseline Credit				(.08830)		(.08830)				(.08787)		(.08787)
MINIMUM CHARGE												
(/meter/day)	*		.03122		.00309	.32854	*		.00000		.00309	.32854
(/kWh)					.03767						.03767	
	*	Calculated residually as total less sum of other charges.										
E-TOU B non-tiered												
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total
ENERGY CHARGE (\$/kWh)												
Summer												
Peak	.10476	.20442	.00397	.00000	.03915	.35231	.08234	.18323	.01495	.00000	.03915	.31968
Off-Peak	.10476	.10136	.00397	.00000	.03915	.24925	.08234	.09851	.01495	.00000	.03915	.23496
Winter												
Peak	.07413	.09758	.00397	.00000	.03915	.21484	.08234	.10384	.01495	.00000	.03915	.24029
Off-Peak	.07413	.07878	.00397	.00000	.03915	.19604	.08234	.08706	.01495	.00000	.03915	.22350
MINIMUM CHARGE												
(/meter/day)	*		.03122		.00309	.32854	*		.00000		.00309	.32854
(/kWh)					.03767						.03767	
	*	Calculated residually as total less sum of other charges.										

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PRESENT RATES

PROPOSED RATES

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EL-1	PRESENT RATES						PROPOSED RATES							
	Distr	Gen	PPP	CIA	Other	Total		Distr	Gen	PPP	CIA	Other	Total	
ENERGY CHARGE (/kWh)														
Baseline Usage	.01321	.09838	.00776	(.02659)	.03367	.12643		.01174	.09905	.00759	(.02716)	.03367	.12489	
101% - 130% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
131% - 200% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
201% - 400% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
Over 400% of Baseline	.01321	.09838	.00776	.08668	.03367	.23970		.01174	.09905	.00759	.08472	.03367	.23677	
MINIMUM CHARGE														
(/meter/day)	*		.03842		.00736	.16427	5.00	*		.03734		.00736	.16427	5.00
(/kWh)					.03218							.03218		
EML														
	Distr	Gen	PPP	CIA	Other	Total		Distr	Gen	PPP	CIA	Other	Total	
ENERGY CHARGE (/kWh)														
Baseline Usage	.01321	.09838	.00776	(.02659)	.03367	.12643		.01174	.09905	.00759	(.02716)	.03367	.12489	
101% - 130% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
131% - 200% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
201% - 400% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
Over 400% of Baseline	.01321	.09838	.00776	.08668	.03367	.23970		.01174	.09905	.00759	.08472	.03367	.23677	
MINIMUM CHARGE														
(/meter/day)	*		.03842		.00736	.16427	5.00	*		.03734		.00736	.16427	5.00
(/kWh)					.03218							.03218		
ESL														
	Distr	Gen	PPP	CIA	Other	Total		Distr	Gen	PPP	CIA	Other	Total	
ENERGY CHARGE (/kWh)														
CARE														
Baseline Usage	.01321	.09838	.00776	(.02659)	.03367	.12643		.01174	.09905	.00759	(.02716)	.03367	.12489	
101% - 130% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
131% - 200% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
201% - 400% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261		.01174	.09905	.00759	.01845	.03367	.17050	
Over 400% of Baseline	.01321	.09838	.00776	.08668	.03367	.23970		.01174	.09905	.00759	.08472	.03367	.23677	
Non-CARE														
Baseline Usage	.08274	.09838	.01501	(.03549)	.03915	.19979		.08127	.09905	.01495	(.03706)	.03915	.19735	
101% - 130% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
131% - 200% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
201% - 400% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612		.08127	.09905	.01495	.03834	.03915	.27275	
Over 400% of Baseline	.08274	.09838	.01501	.16611	.03915	.40139		.08127	.09905	.01495	.16207	.03915	.39649	
MINIMUM CHARGE														
(/meter/day)	*		.03842		.00736	.16427	5.00	*		.03734		.00736	.16427	5.00
(/kWh)					.03767							.03767		
DISCOUNT (/dwelling unit/day)	.05947					.05947	1.81	.02497					.02497	.76
MARL [CARE & Medical Baseline Units] (/kWh)		*			.01000			*				.01000	.04892	
	*	Calculated residually as total less sum of other charges.						*	Calculated residually as total less sum of other charges.					

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ESRL	PRESENT RATES						PROPOSED RATES							
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total		
ENERGY CHARGE (kWh)														
CARE														
Baseline Usage	.01321	.09838	.00776	(.02659)	.03367	.12643	.01174	.09905	.00759	(.02716)	.03367	.12489		
101% - 130% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261	.01174	.09905	.00759	.01845	.03367	.17050		
131% - 200% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261	.01174	.09905	.00759	.01845	.03367	.17050		
201% - 400% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261	.01174	.09905	.00759	.01845	.03367	.17050		
Over 400% of Baseline	.01321	.09838	.00776	.08668	.03367	.23970	.01174	.09905	.00759	.08472	.03367	.23677		
Non-CARE														
Baseline Usage	.08274	.09838	.01501	(.03549)	.03915	.19979	.08127	.09905	.01495	(.03706)	.03915	.19735		
101% - 130% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275		
131% - 200% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275		
201% - 400% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275		
Over 400% of Baseline	.08274	.09838	.01501	.16611	.03915	.40139	.08127	.09905	.01495	.16207	.03915	.39649		
MINIMUM CHARGE														
(/meter/day)	*		.03842		.00736	.16427	5.00	*		.03734		.00736	.16427	5.00
(/kWh)					.03767						.03767			
ETL														
ENERGY CHARGE (kWh)														
CARE														
Baseline Usage	.01321	.09838	.00776	(.02659)	.03367	.12643	.01174	.09905	.00759	(.02716)	.03367	.12489		
101% - 130% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261	.01174	.09905	.00759	.01845	.03367	.17050		
131% - 200% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261	.01174	.09905	.00759	.01845	.03367	.17050		
201% - 400% of Baseline	.01321	.09838	.00776	.01959	.03367	.17261	.01174	.09905	.00759	.01845	.03367	.17050		
Over 400% of Baseline	.01321	.09838	.00776	.08668	.03367	.23970	.01174	.09905	.00759	.08472	.03367	.23677		
Non-CARE														
Baseline Usage	.08274	.09838	.01501	(.03549)	.03915	.19979	.08127	.09905	.01495	(.03706)	.03915	.19735		
101% - 130% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275		
131% - 200% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275		
201% - 400% of Baseline	.08274	.09838	.01501	.04084	.03915	.27612	.08127	.09905	.01495	.03834	.03915	.27275		
Over 400% of Baseline	.08274	.09838	.01501	.16611	.03915	.40139	.08127	.09905	.01495	.16207	.03915	.39649		
MINIMUM CHARGE														
(/meter/day)	(.04072)		.03842		.00736	.16427	5.00	.11957		.03734		.00736	.16427	5.00
(/kWh)					.03767						.03767			
DISCOUNT (/dwelling unit/day)	.18825					.18825	5.73	.03877				.03877	1.18	
MARL [CARE & Medical Baseline Units] (/kWh)		*			.01000			*			.01000	.04892		

* Calculated residually as total less sum of other charges.

* Calculated residually as total less sum of other charges.

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EL-6	PRESENT RATES						PROPOSED RATES					
	Distr	Gen	PPP	CIA	Other	Total	Distr	Gen	PPP	CIA	Other	Total
ENERGY CHARGE (/kWh)												
Summer												
Peak												
Baseline Usage	.17582	.21671	.00776	(.19073)	.03367	.24323	.05068	.13274	.00759	(.03953)	.03367	.18516
101% - 130% of Baseline	.17582	.21671	.00776	(.14347)	.03367	.29049	.05068	.13274	.00759	.01430	.03367	.23898
131% - 200% of Baseline	.17582	.21671	.00776	(.14347)	.03367	.29049	.05068	.13274	.00759	.01430	.03367	.23898
201% - 400% of Baseline	.17582	.21671	.00776	(.14347)	.03367	.29049	.05068	.13274	.00759	.01430	.03367	.23898
Over 400% of Baseline	.17582	.21671	.00776	(.14347)	.03367	.29049	.05068	.13274	.00759	.01430	.03367	.23898
Part-Peak												
Baseline Usage	.02820	.11384	.00776	(.02473)	.03367	.15873	.03417	.14055	.00759	(.06635)	.03367	.14963
101% - 130% of Baseline	.02820	.11384	.00776	.02252	.03367	.20599	.03417	.14055	.00759	(.01252)	.03367	.20345
131% - 200% of Baseline	.02820	.11384	.00776	.02252	.03367	.20599	.03417	.14055	.00759	(.01252)	.03367	.20345
201% - 400% of Baseline	.02820	.11384	.00776	.02252	.03367	.20599	.03417	.14055	.00759	(.01252)	.03367	.20345
Over 400% of Baseline	.02820	.11384	.00776	.02252	.03367	.20599	.03417	.14055	.00759	(.01252)	.03367	.20345
Off-Peak												
Baseline Usage	(.02101)	.07185	.00776	.01019	.03367	.10245	.01114	.09304	.00759	(.03320)	.03367	.11224
101% - 130% of Baseline	(.02101)	.07185	.00776	.05744	.03367	.14971	.01114	.09304	.00759	.02063	.03367	.16606
131% - 200% of Baseline	(.02101)	.07185	.00776	.05744	.03367	.14971	.01114	.09304	.00759	.02063	.03367	.16606
201% - 400% of Baseline	(.02101)	.07185	.00776	.05744	.03367	.14971	.01114	.09304	.00759	.02063	.03367	.16606
Over 400% of Baseline	(.02101)	.07185	.00776	.05744	.03367	.14971	.01114	.09304	.00759	.02063	.03367	.16606
Winter												
Part-Peak												
Baseline Usage	.02434	.09516	.00776	(.04295)	.03367	.11797	.00720	.10115	.00759	(.03238)	.03367	.11723
101% - 130% of Baseline	.02434	.09516	.00776	.00428	.03367	.16521	.00720	.10115	.00759	.02144	.03367	.17105
131% - 200% of Baseline	.02434	.09516	.00776	.00428	.03367	.16521	.00720	.10115	.00759	.02144	.03367	.17105
201% - 400% of Baseline	.02434	.09516	.00776	.00428	.03367	.16521	.00720	.10115	.00759	.02144	.03367	.17105
Over 400% of Baseline	.02434	.09516	.00776	.00428	.03367	.16521	.00720	.10115	.00759	.02144	.03367	.17105
Off-Peak												
Baseline Usage	(.00718)	.08362	.00776	(.01224)	.03367	.10562	.00000	.08367	.00759	(.01996)	.03367	.10497
101% - 130% of Baseline	(.00718)	.08362	.00776	.03501	.03367	.15287	.00000	.08367	.00759	.03387	.03367	.15879
131% - 200% of Baseline	(.00718)	.08362	.00776	.03501	.03367	.15287	.00000	.08367	.00759	.03387	.03367	.15879
201% - 400% of Baseline	(.00718)	.08362	.00776	.03501	.03367	.15287	.00000	.08367	.00759	.03387	.03367	.15879
Over 400% of Baseline	(.00718)	.08362	.00776	.03501	.03367	.15287	.00000	.08367	.00759	.03387	.03367	.15879
CUSTOMER CHARGE (/meter/day)	.20238					.00000	.00000					.00000
MINIMUM CHARGE												
(/meter/day)	*		.03842		.00736	.16427	5.00	*	.03734		.00736	.16427
(/kWh)					.03218						.03218	

* Calculated residually as total less sum of other charges.

* Calculated residually as total less sum of other charges.

EL-TOU A tiered							PRESENT RATES							PROPOSED RATES										
							Distr	Gen	PPP	CIA	Other	Total												
ENERGY CHARGE (\$/kWh)							Distr	Gen	PPP	CIA	Other	Total												
Summer																								
Peak							(.00564)	.18232	.00397	.01874	.03367	.23305	(.02103)	.17077	.00759	.02765	.03367	.21865						
Off-Peak							.02232	.10674	.00397	.01874	.03367	.18543	.00528	.10258	.00759	.02765	.03367	.17677						
Baseline Credit										(.04779)		(.04779)				(.05396)		(.05396)						
Winter																								
Peak							.00738	.09498	.00397	.01874	.03367	.15873	.00557	.10182	.00759	.02765	.03367	.17631						
Off-Peak							.01267	.08068	.00397	.01874	.03367	.14972	.01099	.08778	.00759	.02765	.03367	.16768						
Baseline Credit										(.04779)		(.04779)				(.05396)		(.05396)						
MINIMUM CHARGE																								
(/meter/day)							*		.03842		.00736	.16427	5.00	*		.00000		.00736	.16427	5.00				
(/kWh)							*	Calculated residually as total less sum of other charges.																
EL-TOU B non-tiered							Distr	Gen	PPP	CIA	Other	Total												
ENERGY CHARGE (\$/kWh)							Distr	Gen	PPP	CIA	Other	Total												
Summer																								
Peak							(.02422)	.20442	.00397	.00000	.03367	.21783	(.03295)	.18323	.00759	.00000	.03367	.19153						
Off-Peak							.01391	.10136	.00397	.00000	.03367	.15291	.00101	.09851	.00759	.00000	.03367	.14078						
Winter																								
Peak							(.00399)	.09758	.00397	.00000	.03367	.13123	(.00113)	.10384	.00759	.00000	.03367	.14397						
Off-Peak							.00296	.07878	.00397	.00000	.03367	.11938	.00560	.08706	.00759	.00000	.03367	.13391						
MINIMUM CHARGE																								
(/meter/day)							*		.03842		.00736	.16427	5.00	*		.00000		.00736	.16427	5.00				
(/kWh)							*	Calculated residually as total less sum of other charges.																