

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



July 12, 2013

**Advice Letter 3910-E & 3910-E-A**

Brian K. Cherry  
Vice President, Regulation and Rates  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, CA 94177

**SUBJECT: Modifications to Electric Rate Schedule E-9 for Residential Time-of-Use Service for Low Emission Vehicle Customers**

Dear Mr. Cherry:

Advice Letter 3910-E and 3910-E-A are effective August 23, 2012 per Resolution E-4508 Ordering Paragraph.

Sincerely,

A handwritten signature in cursive script that reads "Edward F. Randolph".

Edward F. Randolph, Director  
Energy Division

September 26, 2011

**Advice 3910-E**

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

**Subject:      Modifications to Electric Rate Schedule E-9 for Residential Time-of-Use Service for Low Emission Vehicle Customers**

Pacific Gas and Electric Company ("PG&E") hereby submits for filing modifications to Electric Rate Schedule E-9 in accordance with Decision ("D.")11-07-029. PG&E will file revisions to all affected tariff sheets once the Commission approves the proposal provided herein.

**Purpose**

With the expected increase in electric vehicle ownership in California, PG&E believes it is critical to provide these customers with appropriate pricing programs at the earliest opportunity. As described below, California Public Utilities Commission ("CPUC" or "Commission") D.11-07-029 has concluded that PG&E's existing voluntary rate for electric vehicle customers, Schedule E-9, needs to be revised. Schedule E-9 is both complex and outdated, and its tiered structure does not reflect PG&E's cost of service. Accordingly, PG&E herein proposes modifications to Schedule E-9 in compliance with D.11-07-029 to revise the rate to make it easier for customers to understand, while continuing to provide reasonable incentives to encourage off peak electric vehicle charging based on cost of service principles.

**Background**

Schedule E-9 is a voluntary rate for residential customers that charge electric vehicles at home. Schedule E-9 has two options which both feature inclining block (i.e., tiered) rates that are time differentiated. Under Option A, the entire home, including electric vehicle charging, is served through a single meter. This is known as "single meter" or "whole house" service. Under Option B, electric vehicle charging is served through a separate meter. The remaining house load is metered and billed under an otherwise applicable residential schedule such as Schedule E-1.

Electric Rate Schedule E-9 was implemented prior to the 2001 energy crisis. Assembly Bill 1X, enacted at the height of the crisis in 2001, froze the Tier 1 and 2 rates (i.e., rates for usage up to 130 percent of baseline) on all of PG&E's residential rate schedules, including Schedule E-9. As a result of these legislatively mandated restrictions over the past decade, lower tier rates on Schedule E-9 are well below cost of service, particularly in the off-peak period. Further, the rate structure of Schedule E-9, which includes both time-of-use ("TOU") pricing and inclining block rate tiers, is very difficult for customers to understand and the inclining block structure is a disincentive to customers considering purchasing electric vehicles.

For these reasons, along with the recent growth in the adoption of the PEV technology, D. 11-07-029 in R.09-08-009 recognized that Schedule E-9 is not optimal for new PEV customers and should be modified with a new rate design.<sup>1</sup>

In its final decision in Phase 2 of R.09-08-009, D.11-07-029, the Commission directed PG&E to file revised rates for Option B of Schedule E-9. Specifically, Ordering Paragraph 2 states:

"Pacific Gas and Electric Company shall file an advice letter to modify Electric Rates Tariff Schedule E-9(B) to eliminate the tiers but retain time-variant pricing. This advice letter shall be filed as a Tier 2 advice letter within 60 days of the effective date of today's decision."

With respect to electric vehicle customers with a single meter (i.e., whole house service), D.11-07-029 also supported moving away from a tiered rate structure like Option A of PG&E's Schedule E-9:

"The goal of a single meter Electric Vehicle rate design is to structure a simpler, cost-based, time-of-use rate that bypasses the disincentives for Electric Vehicle use associated with tiered rates but still recover, at a minimum, the incremental cost to serve Electric Vehicles." (Finding of Fact 2.)

"Residential customers on single-meter service should be able to choose which Electric Vehicle rate best suits their needs and should be offered an opt-in (i.e., voluntary) time-of-use, non-tiered rate." (Conclusion of Law 5.)

Consistent with D.11-07-029 and PG&E's concerns with regard to the inadequacy of the current Schedule E-9 to provide appropriate, cost based price

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<sup>1</sup> On September 24, 2010, in response to the Staff Workshop Issues paper on this and related subjects in Rulemaking 09-08-009, PG&E discussed these same concerns and its support for modifying Schedule E-9.

signals for electric vehicle charging, PG&E proposes to modify both Options A and B of Schedule E-9 to eliminate the tiered rate structure from Schedule E-9. The proposed modified Schedule E-9 will remain a voluntary, opt-in TOU rate, but will be offered without the tiered rate structure to avoid the associated disincentive for electric vehicle charging. The proposed modified Schedule E-9 rates also include a customer charge, consistent with the direction of D.11-07-029 at page 48, and include redesigned, more uniform, TOU periods to make them easier for customers to understand and remember.<sup>2</sup> PG&E proposes to set rates for the separately metered service (Option B) at the same level as the proposed rates for single metered service (Option A).

### **Modified Schedule E-9**

PG&E's proposed changes to Schedule E-9 are designed to be revenue neutral for electric vehicle customers, relative to service under Schedule E-1 and subject to specific usage assumptions about the Schedule E-9 customers' household and electric vehicle charging loads. As discussed above, both options of the modified Schedule E-9 rate would be voluntary, non-tiered, TOU rates designed to provide appropriate, cost-based incentives for customers to charge during off-peak hours. PG&E also proposes a customer charge equal to \$8.00 per month<sup>3</sup> to reflect customer-related costs which do not vary with usage. Customers who select Option A will have the rate applied to their entire house load (including EV charging). Customers who select Option B will have the rate apply only to their electric vehicle charging load. Under Option B, the customer would continue to take service for its house load under the applicable non-electric vehicle residential rate. Both options have redesigned TOU periods with uniform period definitions across seasons, and with TOU schedules that vary on weekends and holidays only by allowing for a shorter on-peak period on these days, to allow customers greater flexibility for their weekend and holiday charging needs.

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<sup>2</sup> D.11-07-029 also states, "Adding demand charges to residential Electric Vehicle rates would be too great a change to residential rates at this time but each utility should re-evaluate the feasibility and benefits of an Electric Vehicle residential demand charge in its next review of rates." (Conclusion of Law 8.) Accordingly, PG&E's proposed rate changes here do not include the introduction of a demand charge to Schedule E-9.

<sup>3</sup> The \$8.00 per month customer charge is based on PG&E's marginal customer costs for residential customers, as filed in Phase 2 of PG&E's 2011 GRC, which are \$91.41 per customer-year. The portion of the \$8.00 per customer month that supports metering costs alone is 56 cents per month, using the One Time Hook-Up Cost (OTHC) method of determining these costs. However, this method only assigns the full cost of the meter to new connections within each customer class, as this is most appropriate for revenue allocation purposes. The installed cost of a residential customer meter as used in the OTHC method for the 2011 GRC was between \$60 and \$170, depending on meter type. Amortized over a 30-year life cycle and including an allowance for operation and maintenance (O&M) expenses, this would correspond to a figure of between \$1.50 and \$2.00 per meter per month. Under either method of determining metering costs, PG&E's proposed \$8.00 monthly customer charge is adequate to ensure that the meter cost is fully recovered from participating customers.

Retaining on- and part-peak price signals on both weekdays and on weekends and holidays will simplify the rate to allow customers to more easily remember and understand the daily rate structure, and also will help prevent new local distribution peaks from being created on weekend days in local neighborhoods with high penetrations of electric vehicles.

### **Future Changes to Schedule E-9**

Finding of Fact 11 of D.11-07-029 also states:

“In approximately 2013, Electric Vehicle rate design should be revisited because additional information will exist about Electric Vehicle charging load profiles, the costs and benefits of Electric Vehicle charging and information concern[ing] how consumer charging behavior responds to Electric Vehicle time-of-use price differentials.”

Consistent with this finding, PG&E proposes that this rate offering be interim in nature, and subject to modification in Phase 2 of its 2014 General Rate Case (“GRC”) to take account of the information gained from customers taking service on the modified Schedule E-9 rate as electric vehicle market penetration and resulting load increase.

### **Customer Bill Impacts**

As noted above, in D.11-07-029, the Commission has found that the current rates offered under Schedule E-9 are both complex and outdated and do not reflect PG&E’s current cost of service. As of mid-2011, PG&E was providing whole-house electric vehicle charging service under Schedule E-9A to 324 residential customers. Using these customers’ most recent recorded usage, PG&E has determined that the average bill increase resulting from the revised Schedule E-9 rates would be just 1.5 percent. However, using this figure by itself would mask a much greater disparity in the range of individual customer bill impacts. Approximately one-quarter of this group of customers would pay reduced bills, with bill reductions averaging approximately 15 percent. Customers in the middle two quartiles of this group would all pay increased bills, with an average increase of approximately 19 percent. Those customers in the most severely impacted quartile would all have increases of 50 percent or more if they continued to take service under Schedule E-9, and the average annual bill increase for the customers in this quartile would be nearly 80 percent (an average increase of \$37 per month).

A much smaller group of customers currently takes separately metered electric vehicle charging service under Schedule E-9B. As of mid-2011, PG&E was providing service to just 35 such customers. Using these customers’ most recent

recorded usage, PG&E projects that all but 1 of these customers would have bill increases resulting from the revised Schedule E-9 rates, and the average increase for the electricity billed under Schedule E-9 to this group of customers would be approximately 60 percent. PG&E notes that all of the customers in this group also have household usage that is billed under Schedule E-1, so the average increase in these customers' total electric bills would be significantly less than 60 percent.

### **Cap on Total Enrollment**

The revised E-9 tariff would expire with the effective date of 2014 GRC Phase 2 rate changes or on December 31, 2014, whichever is later. PG&E proposes to limit enrollment under the revised E-9 tariff to a maximum of 30,000 customers. Although PG&E does not currently anticipate reaching this cap before the date that 2014 GRC Phase 2 rate changes would become effective, reaching this level of participation in such a short time would indicate that the EV market has developed significantly more rapidly than is presently anticipated. Such rapid development of the EV market would warrant additional analysis and potential rate or tariff changes in light of then-current experience with EV charging loads, based on factors such as the locations of these loads on the grid, the types of charging loads (e.g., adoption of overnight versus fast charging equipment), and the distribution of EV charging loads between on-peak, part-peak, and off-peak TOU periods.

### **Notification and Outreach**

PG&E plans to communicate with its current E-9 customers and with customers who have pending E-9 applications to inform them of the revised TOU periods and revised rate design before these changes take effect. The intent of the outreach will be to notify customers that PG&E has filed this advice letter to modify the existing E-9 rate in accordance with the Phase 2 OIR decision, and that the new rate structure would most likely impact their monthly electricity bill, if these changes are approved by the Commission. The outreach and notification efforts will seek to raise customer awareness of the new pricing plan and educate customers about the actions they can take to maximize their benefits from this new plan. For those customers who are likely to be negatively impacted by the rate change, PG&E may develop more customized communications and a more personalized outreach process, depending on the level of customer bill impact. As part of the outreach and education efforts, the PEV website will be updated to specifically communicate the changes in rate structure. An updated rate calculator will be developed and made available on the website to allow customers to conduct more detailed rate impact analyses.

PG&E will also continue to identify employees who interact with EV owners and Schedule E-9 customers and ensure that they are fully prepared to support

communications around these upcoming rate modifications. For example, PG&E's specially trained PEV customer call center operations team will be trained on the new E-9 rate to be able to respond to customer inquiries, call scripts will be updated accordingly, and the rate analysis tools will also be updated to reflect the new rate structure. Field service planners will also be included in the new rate trainings.

### **Tariff Revisions**

Tariff sheets for the proposed modifications to Schedule E-9 are attached.

### **Protests**

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, by facsimile or electronically, any of which must be received no later than **October 17, 2011**, which is 21 days after the date of this filing.<sup>4</sup> Protests should be mailed to:

CPUC Energy Division  
Tariff Files, Room 4005  
DMS Branch  
505 Van Ness Avenue  
San Francisco, California 94102

Facsimile: (415) 703-2200  
E-mail: [jnj@cpuc.ca.gov](mailto:jnj@cpuc.ca.gov) and [mas@cpuc.ca.gov](mailto:mas@cpuc.ca.gov)

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest also should be sent via U.S. mail (and by facsimile and electronically, if possible) to PG&E at the address shown below on the same date it is mailed or delivered to the Commission:

Brian K. Cherry  
Vice President, Regulations and Rates  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, California 94177

Facsimile: (415) 973-6520  
E-mail: [PGETariffs@pge.com](mailto:PGETariffs@pge.com)

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<sup>4</sup> Since the end of the protest period falls on a weekend, PG&E is extending the end of the protest period to the following business day.

**Effective Date**

PG&E requests that this advice filing become effective on **November 1, 2011**. Rates will not be implemented, and customers charged in accordance with these rates, however, until the Commission approves the rates provided herein and PG&E implements the rates consistent with the Commission's final disposition of this Advice Letter.

**Notice**

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service list for R.09-08-009. Address changes to the General Order 96-B service list and all electronic approvals should be directed to e-mail [PGETariffs@pge.com](mailto:PGETariffs@pge.com). For address changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov). Advice letter filings can also be accessed electronically at <http://www.pge.com/tariffs>.

A handwritten signature in black ink that reads "Brian Cherry" followed by a stylized flourish or initials.

Vice President - Regulation and Rates

cc: Service List for R.09-08-009

Attachments

# CALIFORNIA PUBLIC UTILITIES COMMISSION

## ADVICE LETTER FILING SUMMARY

### ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No. **Pacific Gas and Electric Company (ID U39 M)**

Utility type:

☒ ELC

☒ GAS

☐ PLC

☐ HEAT

☐ WATER

Contact Person: Linda Tom-Martinez

Phone #: (415) 973-4612

E-mail: lmt1@pge.com

#### EXPLANATION OF UTILITY TYPE

ELC = Electric

GAS = Gas

PLC = Pipeline

HEAT = Heat

WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: **3910-E**

**Tier: 2**

Subject of AL: **Modifications to Electric Rate Schedule E-9 for Residential Time-of-Use Service for Low Emission Vehicle Customers**

Keywords (choose from CPUC listing): Compliance

AL filing type: ☐ Monthly ☐ Quarterly ☐ Annual ☒ One-Time ☐ Other \_\_\_\_\_

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: D.11-07-029

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL<sup>1</sup>: \_\_\_\_\_

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for:

Confidential information will be made available to those who have executed a nondisclosure agreement: ☐ Yes ☐ No

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: \_\_\_\_\_

Resolution Required? Yes ☐ ☒ No

Requested effective date: **November 1, 2011**

No. of tariff sheets:

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed<sup>1</sup>: N/A

Pending advice letters that revise the same tariff sheets: N/A

Protests, dispositions, and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

**CPUC, Energy Division**

**Tariff Files, Room 4005**

**DMS Branch**

**505 Van Ness Ave.,**

**San Francisco, CA 94102**

**jnj@cpuc.ca.gov and mas@cpuc.ca.gov**

**Pacific Gas and Electric Company**

**Attn: Brian Cherry**

**Vice President, Regulation and Rates**

**77 Beale Street, Mail Code B10C**

**P.O. Box 770000**

**San Francisco, CA 94177**

**E-mail: PGETariffs@pge.com**



Pacific Gas and Electric Company  
San Francisco, California  
U 39

Cancelling  
Revised

Revised  
Revised

Cal. P.U.C. Sheet No.  
Cal. P.U.C. Sheet No.

29680-E  
27655-E

# ELECTRIC SCHEDULE E-9 EXPERIMENTAL RESIDENTIAL TIME-OF-USE SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS

APPLICABILITY: This optional experimental schedule applies to electric service to customers for whom Schedule E-1 applies and who have a currently registered Motor Vehicle, as defined by the California Motor Vehicle Code, which is: 1) a battery electric vehicle (BEV) or plug-in hybrid electric vehicle (PHEV) recharged via a recharging outlet at the customer's premises; or, 2) a natural gas vehicle (NGV) refueled via a home refueling appliance (HRA) at the customer's premises. This schedule also applies to electric service of an Electric Vehicle Service Provider located in a residential setting. (T) (T)

This schedule is not available to customers with a conventional, charge sustaining (battery recharged solely from the vehicle's on-board generator) hybrid electric vehicle (HEV). Low speed electric vehicles and electrically powered motorcycles, as defined by the California Motor Vehicle Code, are not eligible for this rate option. This schedule is optional for customers where a NGV has been purchased or leased, and a home refueling appliance (HRA) has been installed at the customer's premises for the sole purpose of compressing natural gas for use as a motor-vehicle fuel and gas service is provided by PG&E under optional residential gas Schedule G1-NGV -- *Residential Natural Gas Service For Compression On Customers' Premises* or Schedule GL1-NGV -- *Residential CARE Program Natural Gas Service For Compression on Customers' Premises*. Service under this schedule is provided at the sole option of PG&E and based upon the availability of metering equipment and customer infrastructure improvements necessary for charging or fueling.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule E-9 charges. See Special Condition 9.5 of this rate schedule for exemptions to standby charges.

Customers may elect service under Option A (one meter serving house and charging load) or Option B (separate meter serving charging load only) of this rate schedule. Rates for Option A and Option B will be the same. However, Schedule E-9 rates will apply to all usage at the premise under Option A (whole house usage including BEV or PHEV charging or NGV HRA use). If Option B is elected, Schedule E-9 rates will apply only to the separately metered usage for BEV or PHEV charging or NBV home refueling appliances. (T)

Depending on the manner in which customers will fuel their vehicle, one of the following rates will apply:

Rate A: Applies to all applicable customers unless they qualify for and choose Rate B.

Rate B: Applies to all applicable customers with a separately metered BEV or PHEV, recharging outlet or NGV home refueling appliance.

Ongoing daily Time-of-Use (TOU) meter charges applicable to customers taking service under this rate schedule will no longer be applied if the customer has a SmartMeter™ installed.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

(Continued)

Advice Letter No.	3751 E	Issued by	Date Filed	November 2, 2010
Decision No.		Jane K. YuraBrian K. Cherry	Effective	December 2, 2010
		Vice President	Resolution No.	
		Regulation and Rates		



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 2

**RATES:** Total bundled service charges are calculated using the total rates below. On-peak, part-peak, and off-peak usage is assigned to tiers on a pro-rated basis. For example, if twenty percent of a customer's usage is in the on-peak period, then twenty percent of the total usage in each tier will be treated as on-peak usage. Bundled service customers are billed the greater of the total minimum charge or the otherwise applicable total charge derived from total energy rates.

Customers receiving a medical baseline allowance shall pay for all usage in excess of 130 percent of baseline at rates applicable to usage from 131 percent through 200 percent of baseline. No portion of the rates paid by customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, generation is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges (CTC), and Energy Cost Recovery Amount.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

**Rate A & B**

Total Energy Rates (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Summer	\$0.38451 (-)	\$0.21431 (-)	\$0.11041 (-)
— Baseline Usage	\$0.30470 (-)	\$0.11135 (-)	\$0.05294 (-)
— 101%—130% of Baseline	\$0.30470 (-)	\$0.11135 (-)	\$0.05294 (-)
— 131%—200% of Baseline	\$0.49382 (I)	\$0.30047 (I)	\$0.16200 (I)
— 201%—300% of Baseline	\$0.53382 (R)	\$0.34047 (R)	\$0.20200 (I)
— Over 300% of Baseline	\$0.53382 (R)	\$0.34047 (R)	\$0.20200 (I)
Winter	\$0.27932 (-)	\$0.17365 (-)	\$0.11305 (-)
— Baseline Usage	—	\$0.11123 (-)	\$0.06186 (-)
— 101%—130% of Baseline	—	\$0.11123 (-)	\$0.06186 (-)
— 131%—200% of Baseline	—	\$0.30035 (I)	\$0.16200 (I)
— 201%—300% of Baseline	—	\$0.34035 (R)	\$0.20200 (I)
— Over 300% of Baseline	—	\$0.34035 (R)	\$0.20200 (I)
— Total Baseline Credit (\$ per kWh of baseline use)	\$0.01729 (-)	\$0.01729 (-)	\$0.01729 (-)
Total Meter-Customer Charge Rate (\$ per meter per day)	\$0.262834884		
Total Minimum Charge Rate (\$ per meter per day)	\$0.14784		

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the minimum charge applies with no usage, generation is calculated residually based on the total minimum charge less the sum of: Distribution, Transmission, Reliability Services, Public Purpose Programs, and Nuclear Decommissioning. Where the minimum charge applies with usage, the generation charge is calculated residually based on the total charge less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Public Purpose Programs, Nuclear Decommissioning, CTC, Energy Cost Recovery Amount, and DWR Bond.

(Continued)



**Pacific Gas and Electric Company**  
San Francisco, California  
U 39

Cancelling Revised Cal. P.U.C. Sheet No. 30418-E  
Revised Cal. P.U.C. Sheet No. 30007-E

# **ELECTRIC SCHEDULE E-9** **EXPERIMENTAL RESIDENTIAL TIME-OF-USE** **SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 3

RATES: Rate A & B (Cont'd.)

## **UNBUNDLING OF TOTAL RATES**

**Meter-Customer Charge Rates:** The meter-customer charge rate provided in the Total Rate section above is assigned entirely to the unbundled distribution component.

**Energy Rates by Component (\$ per kWh)**

	PEAK	PART-PEAK	OFF-PEAK
<b>Generation:</b>			
Summer	<u>\$0.18468</u>	<u>\$0.08900</u>	<u>\$0.04473</u>
Baseline Usage	-\$0.15616 (R)	-\$0.03723 (R)	-\$0.00130 (R)
101% - 130% of Baseline	-\$0.15616 (R)	-\$0.03723 (R)	-\$0.00130 (R)
131% - 200% of Baseline	-\$0.27249 (I)	-\$0.15356 (I)	-\$0.06839 (I)
201% - 300% of Baseline	-\$0.29710 (R)	-\$0.17817 (R)	-\$0.09299 (I)
Over 300% of Baseline	-\$0.29710 (R)	-\$0.17817 (R)	-\$0.09299 (I)
Winter	<u>\$0.06902</u>	<u>\$0.04311</u>	<u>\$0.04632</u>
Baseline Usage	-	-\$0.03716 (R)	-\$0.00679 (R)
101% - 130% of Baseline	-	-\$0.03716 (R)	-\$0.00679 (R)
131% - 200% of Baseline	-	-\$0.15349 (I)	-\$0.06839 (I)
201% - 300% of Baseline	-	-\$0.17809 (R)	-\$0.09299 (I)
Over 300% of Baseline	-	-\$0.17809 (R)	-\$0.09299 (I)
<b>Distribution:</b>			
Summer	<u>\$0.14905</u>	<u>\$0.07452</u>	<u>\$0.01490</u>
Baseline Usage	-\$0.09772 (I)	-\$0.02330 (I)	-\$0.00082 (I)
101% - 130% of Baseline	-\$0.09772 (I)	-\$0.02330 (I)	-\$0.00082 (I)
131% - 200% of Baseline	-\$0.17051 (I)	-\$0.09609 (I)	-\$0.04279 (I)
201% - 300% of Baseline	-\$0.18590 (R)	-\$0.11148 (R)	-\$0.05819 (I)
Over 300% of Baseline	-\$0.18590 (R)	-\$0.11148 (R)	-\$0.05819 (I)
Winter	<u>\$0.15952</u>	<u>\$0.07976</u>	<u>\$0.01595</u>
Baseline Usage	-	-\$0.02325 (I)	-\$0.00425 (I)
101% - 130% of Baseline	-	-\$0.02325 (I)	-\$0.00425 (I)
131% - 200% of Baseline	-	-\$0.09604 (I)	-\$0.04279 (I)
201% - 300% of Baseline	-	-\$0.11144 (R)	-\$0.05819 (I)
Over 300% of Baseline	-	-\$0.11144 (R)	-\$0.05819 (I)
Baseline Credit (\$ per kWh of baseline use)	-\$0.01720 (I)	-\$0.01720	-\$0.01720 (I)
<b>Transmission* (all usage)</b>	<u>\$0.01444</u>	<u>\$0.01444</u>	<u>\$0.01444</u>
	-\$0.01444 (I)	-\$0.01444 (I)	-\$0.01444 (I)
<b>Transmission Rate Adjustments* (all usage)</b>	<u>\$0.00136</u>	<u>\$0.00136</u>	<u>\$0.00136</u>
	-\$0.00136 (I)	-\$0.00136 (I)	-\$0.00136 (I)
<b>Reliability Services* (all usage)</b>	<u>\$0.00044</u>	<u>\$0.00044</u>	<u>\$0.00044</u>
	-\$0.00044 (I)	-\$0.00044 (I)	-\$0.00044 (I)
<b>Public Purpose Programs (all usage)</b>	<u>\$0.01530</u>	<u>\$0.01530</u>	<u>\$0.01530</u>
	-\$0.01534 (I)	-\$0.01534 (I)	-\$0.01534 (I)
<b>Nuclear Decommissioning (all usage)</b>	<u>\$0.00066</u>	<u>\$0.00066</u>	<u>\$0.00066</u>
	-\$0.00066 (I)	-\$0.00066 (I)	-\$0.00066 (I)
<b>Competition Transition Charges (all usage)</b>	<u>\$0.00881</u>	<u>\$0.00881</u>	<u>\$0.00881</u>
	-\$0.00881 (I)	-\$0.00881 (I)	-\$0.00881 (I)
<b>Energy Cost Recovery Amount (all usage)</b>	<u>\$0.00472</u>	<u>\$0.00472</u>	<u>\$0.00472</u>
	-\$0.00472 (I)	-\$0.00472 (I)	-\$0.00472 (I)
<b>DWR Bond (all usage)</b>	<u>\$0.00505</u>	<u>\$0.00505</u>	<u>\$0.00505</u>
	-\$0.00505 (I)	-\$0.00505 (I)	-\$0.00505 (I)
	<b>\$ per meter</b>		
	<b>per day</b>	<b>\$ per kWh</b>	
<b>Minimum Charge Rate by Component</b>			
Distribution	-\$0.13277 (I)	-	-
Transmission*	-	-\$0.01580 (I)	-
Reliability Services*	-\$0.00000	-	-
Public Purpose Programs	-\$0.00595 (I)	-	-
Nuclear Decommissioning	-\$0.00026 (I)	-	-
Competition Transition Charges	-	-\$0.00881 (I)	-
Energy Cost Recovery Amount	-	-\$0.00472 (I)	-
DWR Bond	-	-\$0.00505 (I)	-
Generation**	-	Determined Residually	-

\* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

(Continued)

Advice Letter No: 3856-E  
Decision No. 44-05-047

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed June 8, 2014  
Effective June 20, 2014  
Resolution No. \_\_\_\_\_



**Pacific Gas and Electric Company**  
San Francisco, California  
U 39

Revised  
Cancelling Revised

Cal. P.U.C. Sheet No. 30448-E  
Cal. P.U.C. Sheet No. 30007-E

**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 3

1 ~~\*\* Total rate less the sum of the individual non-generation components.~~

(Continued)

Advice Letter No: ~~3856-E~~  
Decision No. 44-05-047

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed June 8, 2011  
Effective June 20, 2011  
Resolution No. \_\_\_\_\_



**Pacific Gas and Electric Company**  
San Francisco, California  
U 39

Cancelling

Revised  
Revised

Cal. P.U.C. Sheet No.  
Cal. P.U.C. Sheet No.

30419-E  
30008-E

**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 4

RATES:  
(Cont'd.)

**TOTAL RATES**

**Rate-B**

Total Energy Rates (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
<del>Summer</del>			
<del>Baseline Usage</del>	<del>\$0.30039</del>	<del>\$0.10704</del>	<del>\$0.05995 (-)</del>
<del>101% - 130% of Baseline</del>	<del>\$0.30039</del>	<del>\$0.10704 (-)</del>	<del>\$0.05995 (-)</del>
<del>131% - 200% of Baseline</del>	<del>\$0.48951 (I)</del>	<del>\$0.29616 (I)</del>	<del>\$0.24907 (I)</del>
<del>201% - 300% of Baseline</del>	<del>\$0.52951 (R)</del>	<del>\$0.33616 (R)</del>	<del>\$0.28907 (R)</del>
<del>Over 300% of Baseline</del>	<del>\$0.52951 (R)</del>	<del>\$0.33616 (R)</del>	<del>\$0.28907 (R)</del>
<del>Winter</del>			
<del>Baseline Usage</del>	<del>-</del>	<del>\$0.10740 (-)</del>	<del>\$0.06814 (-)</del>
<del>101% - 130% of Baseline</del>	<del>-</del>	<del>\$0.10740 (-)</del>	<del>\$0.06814 (-)</del>
<del>131% - 200% of Baseline</del>	<del>-</del>	<del>\$0.29652 (I)</del>	<del>\$0.26726 (I)</del>
<del>201% - 300% of Baseline</del>	<del>-</del>	<del>\$0.33652 (R)</del>	<del>\$0.29726 (R)</del>
<del>Over 300% of Baseline</del>	<del>-</del>	<del>\$0.33652 (R)</del>	<del>\$0.29726 (R)</del>
<del>Total Baseline Credit (\$ per kWh of baseline use)</del>	<del>\$0.01729</del>	<del>\$0.01729</del>	<del>\$0.01729</del>
<del>Total Meter Charge Rate (\$ per meter per day)</del>	<del>\$0.21881</del>		
<del>Total Minimum Charge Rate (\$ per meter per day)</del>	<del>\$0.14784</del>		

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the minimum charge applies with no usage, generation is calculated residually based on the total minimum charge less the sum of: Distribution, Transmission, Reliability Services, Public Purpose Programs, and Nuclear Decommissioning. Where the minimum charge applies with usage, the generation charge is calculated residually based on the total charge less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Public Purpose Programs, Nuclear Decommissioning, CTC, Energy Cost Recovery Amount, and DWR Bond.

(Continued)

Advice Letter No. 3856-E  
Decision No. 44-05-047

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed June 8, 2014  
Effective June 20, 2014  
Resolution No. \_\_\_\_\_



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 5

RATES: Rate-B (Cont'd.)

**UNBUNDLING OF TOTAL RATES**

**Meter Charge Rate:** Meter charge rate provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)	PEAK	PART PEAK	OFF PEAK
<b>Generation:</b>			
<b>Summer</b>			
Baseline Usage	-\$0.15351 (R)	-\$0.03458 (R)	-\$0.00562 (R)
101% - 130% of Baseline	-\$0.15351 (R)	-\$0.03458 (R)	-\$0.00562 (R)
131% - 200% of Baseline	-\$0.26984 (I)	-\$0.16091 (I)	-\$0.12195 (I)
201% - 300% of Baseline	-\$0.29445 (R)	-\$0.17552 (R)	-\$0.14655 (R)
Over 300% of Baseline	-\$0.29445 (R)	-\$0.17552 (R)	-\$0.14655 (R)
<b>Winter</b>			
Baseline Usage	-	-\$0.03480 (R)	-\$0.01065 (R)
101% - 130% of Baseline	-	-\$0.03480 (R)	-\$0.01065 (R)
131% - 200% of Baseline	-	-\$0.15113 (I)	-\$0.12698 (I)
201% - 300% of Baseline	-	-\$0.17574 (R)	-\$0.15159 (R)
Over 300% of Baseline	-	-\$0.17574 (R)	-\$0.15159 (R)
<b>Distribution:</b>			
<b>Summer</b>			
Baseline Usage	-\$0.09606 (I)	-\$0.02164 (I)	-\$0.00351 (I)
101% - 130% of Baseline	-\$0.09606 (I)	-\$0.02164 (I)	-\$0.00351 (I)
131% - 200% of Baseline	-\$0.16885 (I)	-\$0.09443 (I)	-\$0.07630 (I)
201% - 300% of Baseline	-\$0.18424 (R)	-\$0.10982 (R)	-\$0.09170 (R)
Over 300% of Baseline	-\$0.18424 (R)	-\$0.10982 (R)	-\$0.09170 (R)
<b>Winter</b>			
Baseline Usage	-	-\$0.02178 (I)	-\$0.00667 (I)
101% - 130% of Baseline	-	-\$0.02178 (I)	-\$0.00667 (I)
131% - 200% of Baseline	-	-\$0.09457 (I)	-\$0.07946 (I)
201% - 300% of Baseline	-	-\$0.10996 (R)	-\$0.09485 (R)
Over 300% of Baseline	-	-\$0.10996 (R)	-\$0.09485 (R)
Baseline Credit (\$ per kWh of baseline use)	-\$0.01729 (-)	-\$0.01729 (-)	-\$0.01729 (-)
Transmission* (all usage)	-\$0.01444 (-)	-\$0.01444 (-)	-\$0.01444 (-)
Transmission Rate Adjustments* (all usage)	\$0.00136 (-)	\$0.00136 (-)	\$0.00136 (-)
Reliability Services* (all usage)	-\$0.00044 (-)	-\$0.00044 (-)	-\$0.00044 (-)
Public Purpose Programs (all usage)	-\$0.01534 (-)	-\$0.01534 (-)	-\$0.01534 (-)
Nuclear Decommissioning (all usage)	-\$0.00066 (-)	-\$0.00066 (-)	-\$0.00066 (-)
Competition Transition Charges (all usage)	-\$0.00881 (-)	-\$0.00881 (-)	-\$0.00881 (-)
Energy Cost Recovery Amount (all usage)	-\$0.00472 (-)	-\$0.00472 (-)	-\$0.00472 (-)
DWR Bond (all usage)	-\$0.00505 (-)	-\$0.00505 (-)	-\$0.00505 (-)
	<b>\$ per meter per day</b>	<b>\$ per kWh</b>	
<b>Minimum Charge Rate by Component</b>			
Distribution	-\$0.13277 (-)	-	
Transmission*	-	-\$0.01580 (-)	
Reliability Services*	-\$0.00000 (-)	-	
Public Purpose Programs	-\$0.00595 (-)	-	
Nuclear Decommissioning	-\$0.00026 (-)	-	
Competition Transition Charges	-	-\$0.00881 (-)	
Energy Cost Recovery Account	-	-\$0.00472 (-)	
DWR Bond	-	-\$0.00505 (-)	
Generation**		Determined Residually	

\* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

\*\* Total rate less the sum of the individual non-generation components.

(Continued)



**Pacific Gas and Electric Company**  
San Francisco, California  
U 39

Cancelling Revised  
Revised

Cal. P.U.C. Sheet No.  
Cal. P.U.C. Sheet No.

30421-E  
27786-E

# **ELECTRIC SCHEDULE E-9** **EXPERIMENTAL RESIDENTIAL TIME-OF-USE** **SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 6

**SPECIAL  
CONDITIONS:**

1. **BASELINE RATES:** PG&E may require the customer to file with it a Declaration of Eligibility for Baseline Quantities for Residential Rates.
2. **BASELINE (TIER 1):** The following quantities of electricity are to be billed at the rates for baseline use (also see Rule 19 for additional allowances for medical needs):

(T)  
(T)

**BASELINE QUANTITIES (kWh PER DAY)**

Baseline Territory*	Code B - Basic Quantities		Code H - All Electric Quantities	
	Summer	Winter	Summer	Winter
	Tier I	Tier I	Tier I	Tier I
P	<del>15.3</del>	<del>12.7</del>	<del>18.0</del>	<del>33.9</del>
	<del>16.5</del> (C)	<del>12.9</del> (C)	<del>20.1</del> (C)	<del>35.5</del> (C)
Q	<del>7.5</del>	<del>11.7</del>	<del>9.1</del>	<del>19.3</del>
	<del>8.3</del> †	<del>12.6</del> †	<del>11.1</del> †	<del>22.9</del> †
R	<del>17.1</del>	<del>11.7</del>	<del>20.9</del>	<del>30.2</del>
	<del>18.1</del> †	<del>12.3</del> †	<del>23.2</del> †	<del>32.6</del> †
S	<del>15.3</del>	<del>12.0</del>	<del>18.0</del>	<del>28.6</del>
	<del>16.5</del> †	<del>12.7</del> †	<del>20.1</del> †	<del>32.0</del> †
T	<del>7.5</del>	<del>9.1</del>	<del>9.1</del>	<del>16.8</del>
	<del>8.3</del> †	<del>9.8</del> †	<del>11.1</del> †	<del>20.2</del> †
V	<del>12.0</del>	<del>13.6</del>	<del>19.4</del>	<del>33.4</del>
	<del>9.6</del> †	<del>11.1</del> †	<del>16.5</del> †	<del>27.5</del> †
W	<del>18.5</del>	<del>10.9</del>	<del>23.5</del>	<del>22.8</del>
	<del>19.4</del> †	<del>11.4</del> †	<del>27.3</del> †	<del>29.2</del> †
X	<del>11.0</del>	<del>11.7</del>	<del>10.3</del>	<del>19.3</del>
	<del>12.1</del> †	<del>12.6</del> †	<del>12.2</del> †	<del>22.9</del> †
Y	<del>11.7</del>	<del>13.2</del>	<del>14.1</del>	<del>30.7</del>
	<del>12.2</del> †	<del>13.3</del> †	<del>15.0</del> †	<del>30.9</del> †
Z	<del>7.9</del>	<del>10.6</del>	<del>11.2</del>	<del>22.5</del>
	<del>8.8</del> (C)	<del>11.6</del> (C)	<del>12.8</del> (C)	<del>31.5</del> (C)

(Continued)

Advice Letter No: 3856-E  
Decision No. 11-05-047

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed June 8, 2011  
Effective June 20, 2011  
Resolution No. \_\_\_\_\_



**Pacific Gas and Electric Company**  
San Francisco, California  
U 39

Cancelling  
Revised

Revised  
Revised

Cal. P.U.C. Sheet No.  
Cal. P.U.C. Sheet No.

30421-E  
27786-E

**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 6

- \* The applicable baseline territory is described in Part A of the Preliminary Statement.

(Continued)

Advice Letter No: 3856-E  
Decision No. 41-05-047

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed June 8, 2011  
Effective June 20, 2011  
Resolution No.



Pacific Gas and Electric Company  
San Francisco, California  
U 39

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Revised  
Revised

Cal. P.U.C. Sheet No.  
Cal. P.U.C. Sheet No.

26896-E  
25973-E

# **ELECTRIC SCHEDULE E-9** **EXPERIMENTAL RESIDENTIAL TIME-OF-USE** **SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 7

SPECIAL  
CONDITIONS:  
(Cont'd.)

31. TIME PERIODS: Times of the year and times of the day are defined as follows:

All Year

Peak: 2:00 p.m. to 9:00 p.m. Monday through Sunday AND 3:00 p.m. to 7 p.m. Saturday, Sunday and holidays

Partial-Peak: 7:00 a.m. to 2:00 p.m. AND 9:00 p.m. to 11:00 p.m. Monday through Friday, plus 7:00 a.m. to 3:00 p.m. AND 7:00 p.m. to 11:00 p.m. Saturday, Sunday and holidays (T)

Summer (service from May 1 through October 31):

Peak: 2:00 p.m. to 9:00 p.m. Monday through Friday.

Partial-Peak: 7:00 a.m. to 2:00 p.m. AND 9:00 p.m. to 12:00 midnight Monday through Friday, plus 5:00 p.m. to 9:00 p.m. Saturday and Sunday. (T)

Off-Peak: All other hours.

Winter (service from November 1 through April 30):

Partial-Peak: 7:00 a.m. to 12:00 midnight Monday through Friday, and 5:00 p.m. to 9:00 p.m. Saturday and Sunday.

Off-Peak: All other hours.

DAYLIGHT SAVING TIME ADJUSTMENT: The time periods shown above will begin and end one hour later for the period between the second Sunday in March and the first Sunday in April, and for the period between the last Sunday in October and the first Sunday in November.

4. ALL-ELECTRIC QUANTITIES (Code H): All electric quantities are applicable to service to customers with permanently installed electric heating as the primary heat source. All electric quantities are also applicable to service to customers of record as of November 15, 1984, to whom the former Code W (Basic plus Water Heating) lifeline allowance was applicable on May 15, 1984, and who thereafter maintain continuous service at the same location under this schedule.

If more than one electric meter services a residential dwelling unit, the all electric quantities, if applicable, will be allocated only to the primary meter.

52. SEASONAL CHANGES: The summer season is May 1 through October 31 and the winter season is November 1 through April 30. When billing includes use in both the summer and winter periods, charges will be prorated based upon the number of days in each period. The baseline credit will be calculated by multiplying the applicable daily baseline quantity and rates for each season by the number of days in each season for the billing period.

6. ADDITIONAL METERS: If a residential dwelling unit is served by more than one electric meter, the customer must designate which meter is the primary meter and which is (are) the additional meter(s). Only the basic baseline quantities or basic plus medical allowances, if applicable, will be available for the additional meter(s). (Continued)

Advice Letter No. 3143-B BILLING: A customer's bill is calculated based on the option applicable to the customer. Effective December 27, 2007

Decision No. 07-09-000 Brian K. Cherry Effective January 1, 2008

Vice President

Resolution No.

E 4124

7C0

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**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 8

SPECIAL  
CONDITIONS:  
(Cont'd.)

73. BILLING (Cont'd.): **Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates set forth above.

**Transitional Bundled Service Customers** take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

**Direct Access (DA) and Community Choice Aggregation (CCA) Customers** purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

DA / CCA CRS

Energy Cost Recovery Amount Charge (per kWh)	\$0.00472	(I)
DWR Bond Charge (per kWh)	\$0.00505	(R)
CTC Charge (per kWh)	\$0.00881	(I)
Power Charge Indifference Adjustment (per kWh)		
Pre-2009 Vintage	(\$0.00877)	(R)
2009 Vintage	\$0.01773	(I)
2010 Vintage	\$0.01920	(I)
2011 Vintage	\$0.01920	(N)

(Continued)



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 9

SPECIAL  
CONDITIONS:  
(Cont'd.)

84. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges. (T)
95. DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a time-of-use (TOU) schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7. (T)
406. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts. (T)
7. ELECTRIC VEHICLE QUALIFICATION: PG&E will have the right to verify eligibility of the low emission vehicle by requesting proof of the Vehicle Identification Number, vehicle registration, or by other means it deems reasonable. Customers who are unable to demonstrate eligibility, at the request of PG&E, may be subject to removal from this rate schedule and placed on an otherwise applicable rate schedule. Customers who are removed from this rate schedule can also elect an alternate time-of-use rate schedule.
8. AVAILABILITY: This Rate Schedule will terminate on automatically as of December 31, 2014, absent action unless otherwise authorized or extended by the Commission. Participation on Enrollment under this Rate Schedule is will be limited to XX a maximum of 30,000 participants. Customers who are taking service under this rate schedule at the time it is terminated will be placed on an otherwise applicable rate schedule. Customers who are removed from this rate schedule can will also elect have the opportunity to choose service under another an alternate time-of-use rate schedule.

Advice Letter No: 3518-E-A  
Decision No. Resolution E-4289

Issued by  
**Brian K. Cherry**  
Vice President  
Regulatory  
Relations Regulation and  
Rates

Date Filed December 30, 2009  
Effective January 1, 2010  
Resolution No.

# Advice 3910-E

Proposed Changes to Electric Schedule E-9  
(Clean Version)



## **ELECTRIC SCHEDULE E-9**

### **EXPERIMENTAL RESIDENTIAL TIME-OF-USE**

### **SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

**APPLICABILITY:** This optional experimental schedule applies to electric service to customers for whom Schedule E-1 applies and who have a currently registered Motor Vehicle, as defined by the California Motor Vehicle Code, which is: 1) a battery electric vehicle (BEV) or plug-in hybrid electric vehicle (PHEV) recharged via a recharging outlet at the customer's premises; or, 2) a natural gas vehicle (NGV) refueled via a home refueling appliance (HRA) at the customer's premises. This schedule also applies to electric service of an Electric Vehicle Service Provider located in a residential setting.

This schedule is not available to customers with a conventional, charge sustaining (battery recharged solely from the vehicle's on-board generator) hybrid electric vehicle (HEV). Low speed electric vehicles and electrically powered motorcycles, as defined by the California Motor Vehicle Code, are not eligible for this rate option. This schedule is optional for customers where a NGV has been purchased or leased, and a home refueling appliance (HRA) has been installed at the customer's premises for the sole purpose of compressing natural gas for use as a motor-vehicle fuel and gas service is provided by PG&E under optional residential gas Schedule G1-NGV – *Residential Natural Gas Service For Compression On Customers' Premises* or Schedule GL1-NGV – *Residential CARE Program Natural Gas Service For Compression on Customers' Premises*. Service under this schedule is provided at the sole option of PG&E and based upon the availability of metering equipment and customer infrastructure improvements necessary for charging or fueling.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule E-9 charges. See Special Condition 5 of this rate schedule for exemptions to standby charges.

Customers may elect service under Option A (one meter serving house and charging load )or Option B (separate meter serving charging load only) of this rate schedule. Rates for Option A and Option B will be the same. However, Schedule E-9 rates will apply to all usage at the premise under Option A (whole house usage including BEV or PHEV charging or NGV HRA use). If Option B is elected, Schedule E-9 rates will apply only to the separately metered usage for BEV or PHEV charging or NBV home refueling appliances..

**TERRITORY:** This rate schedule applies everywhere PG&E provides electric service.

(Continued)



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 2

**RATES:** Total bundled service charges are calculated using the total rates below.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

**TOTAL RATES**

Rate A & B

Total Energy Rates (\$ per kWh)  
Summer

PEAK  
\$0.38451

PART-PEAK  
\$0.21431

OFF-PEAK  
\$0.11041

Winter

\$0.27932

\$0.17365

\$0.11305

Total Customer Charge Rate (\$ per meter per day) \$0.26283

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below.

(Continued)

Advice Letter No:  
Decision No.

2C0

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed \_\_\_\_\_  
Effective \_\_\_\_\_  
Resolution No. \_\_\_\_\_



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 3

RATES: Rate A & B (Cont'd.)

**UNBUNDLING OF TOTAL RATES**

Customer Charge Rates: The customer charge rate provided in the Total Rate section above is assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)

**Generation:**

	PEAK	PART-PEAK	OFF-PEAK
Summer	\$0.18468	\$0.08900	\$0.04473

Winter	\$0.06902	\$0.04311	\$0.04632
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**Distribution:**

Summer	\$0.14905	\$0.07452	\$0.01490
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Winter	\$0.15952	\$0.07976	\$0.01595
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Transmission* (all usage)	\$0.01444	\$0.01444	\$0.01444
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Transmission Rate Adjustments* (all usage)	\$0.00136	\$0.00136	\$0.00136
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Reliability Services* (all usage)	\$0.00044	\$0.00044	\$0.00044
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Public Purpose Programs (all usage)	\$0.01530	\$0.01530	\$0.01530
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Nuclear Decommissioning (all usage)	\$0.00066	\$0.00066	\$0.00066
-------------------------------------	-----------	-----------	-----------

Competition Transition Charges (all usage)	\$0.00881	\$0.00881	\$0.00881
--	-----------	-----------	-----------

Energy Cost Recovery Amount (all usage)	\$0.00472	\$0.00472	\$0.00472
---	-----------	-----------	-----------

DWR Bond (all usage)	\$0.00505	\$0.00505	\$0.00505
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\* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

(Continued)

Advice Letter No:  
Decision No.

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed	_____
Effective	_____
Resolution No.	_____



**Pacific Gas and Electric Company**  
San Francisco, California  
U 39

	Revised	Cal. P.U.C. Sheet No.
Cancelling	Revised	Cal. P.U.C. Sheet No.

**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 4

(Continued)

Advice Letter No:  
Decision No.

4C0

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed	_____
Effective	_____
Resolution No.	_____



**Pacific Gas and Electric Company**  
San Francisco, California  
U 39

Cancelling	Revised	Cal. P.U.C. Sheet No.
	Revised	Cal. P.U.C. Sheet No.

**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 5

(Continued)

Advice Letter No:  
Decision No.

5C0

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed	_____
Effective	_____
Resolution No.	_____



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 6


\* The applicable baseline territory is described in Part A of the Preliminary Statement.

(Continued)

Advice Letter No:  
Decision No.

6C0

Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed	_____
Effective	_____
Resolution No.	_____



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 7

**SPECIAL  
CONDITIONS:**

1. TIME PERIODS: Times of the year and times of the day are defined as follows:

All Year

Peak: 2:00 p.m. to 9:00 p.m. Monday through Sunday AND 3:00 p.m. to 7 p.m. Saturday, Sunday and holidays

Partial-Peak: 7:00 a.m. to 2:00 p.m. AND 9:00 p.m. to 11:00 p.m. Monday through Friday, plus 7:00 a.m. to 3:00 p.m. AND 7:00 p.m. to 11:00 p.m. Saturday, Sunday and holidays (T)

Off-Peak: All other hours.

DAYLIGHT SAVING TIME ADJUSTMENT: The time periods shown above will begin and end one hour later for the period between the second Sunday in March and the first Sunday in April, and for the period between the last Sunday in October and the first Sunday in November. (T)

2. SEASONAL CHANGES: The summer season is May 1 through October 31 and the winter season is November 1 through April 30. When billing includes use in both the summer and winter periods, charges will be prorated based upon the number of days in each period. The baseline credit will be calculated by multiplying the applicable daily baseline quantity and rates for each season by the number of days in each season for the billing period.

3. BILLING: A customer's bill is calculated based on the option applicable to the customer.

(Continued)

Advice Letter No:  
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Issued by  
**Brian K. Cherry**  
Vice President  
Regulation and Rates

Date Filed	_____
Effective	_____
Resolution No.	_____



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 8

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

3. BILLING (Cont'd.): **Bundled Service Customers** receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates set forth above.

**Transitional Bundled Service Customers** take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

**Direct Access (DA) and Community Choice Aggregation (CCA) Customers** purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

DA / CCA CRS

Energy Cost Recovery Amount Charge (per kWh)	\$0.00472	(I)
DWR Bond Charge (per kWh)	\$0.00505	(R)
CTC Charge (per kWh)	\$0.00881	(I)
Power Charge Indifference Adjustment (per kWh)		
Pre-2009 Vintage	(\$0.00877)	(R)
2009 Vintage	\$0.01773	(I)
2010 Vintage	\$0.01920	(I)
2011 Vintage	\$0.01920	(N)

(Continued)

Advice Letter No:  
 Decision No.

Issued by  
**Brian K. Cherry**  
 Vice President  
 Regulation and Rates

Date Filed	December 30, 2010
Effective	January 1, 2011
Resolution No.	E-4379



**ELECTRIC SCHEDULE E-9**  
**EXPERIMENTAL RESIDENTIAL TIME-OF-USE**  
**SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS**

Sheet 9

SPECIAL  
CONDITIONS:  
(Cont'd.)

4. **SOLAR GENERATION FACILITIES EXEMPTION:** Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.
5. **DISTRIBUTED ENERGY RESOURCES EXEMPTION:** Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a time-of-use (TOU) schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.
6. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.
7. **ELECTRIC VEHICLE QUALIFICATION:** PG&E will have the right to verify eligibility of the low emission vehicle by requesting proof of the Vehicle Identification Number, vehicle registration, or by other means it deems reasonable. Customers who are unable to demonstrate eligibility, at the request of PG&E, may be subject to removal from this rate schedule and placed on an otherwise applicable rate schedule. Customers who are removed from this rate schedule can also elect an alternate time-of-use rate schedule.
8. **AVAILABILITY:** This Rate Schedule will terminate on December 31, 2014, unless otherwise authorized or extended by the Commission. Enrollment under this Rate Schedule will be limited to a maximum of 30,000 participants. Customers who are taking service under this rate schedule at the time it is terminated will be placed on an otherwise applicable rate schedule. Customers who are removed from this rate schedule will also have the opportunity to choose service under another alternate time-of-use rate schedule.

**PG&E Gas and Electric  
Advice Filing List  
General Order 96-B, Section IV**

AT&T	Dept of General Services	Northern California Power Association
Alcantar & Kahl LLP	Douglass & Liddell	Occidental Energy Marketing, Inc.
Ameresco	Downey & Brand	OnGrid Solar
Anderson & Poole	Duke Energy	Praxair
Arizona Public Service Company	Economic Sciences Corporation	R. W. Beck & Associates
BART	Ellison Schneider & Harris LLP	RCS, Inc.
Barkovich & Yap, Inc.	Foster Farms	Recurrent Energy
Bartle Wells Associates	G. A. Krause & Assoc.	SCD Energy Solutions
Bloomberg	GLJ Publications	SCE
Bloomberg New Energy Finance	GenOn Energy, Inc.	SMUD
Boston Properties	Goodin, MacBride, Squeri, Schlotz & Ritchie	SPURR
Braun Blaising McLaughlin, P.C.	Green Power Institute	San Francisco Public Utilities Commission
Brookfield Renewable Power	Hanna & Morton	Seattle City Light
CA Bldg Industry Association	Hitachi	Sempra Utilities
CLECA Law Office	In House Energy	Sierra Pacific Power Company
CSC Energy Services	International Power Technology	Silicon Valley Power
California Cotton Ginners & Growers Assn	Intestate Gas Services, Inc.	Silo Energy LLC
California Energy Commission	Lawrence Berkeley National Lab	Southern California Edison Company
California League of Food Processors	Los Angeles Dept of Water & Power	Spark Energy, L.P.
California Public Utilities Commission	Luce, Forward, Hamilton & Scripps LLP	Sun Light & Power
Calpine	MAC Lighting Consulting	Sunshine Design
Cardinal Cogen	MBMC, Inc.	Sutherland, Asbill & Brennan
Casner, Steve	MRW & Associates	Tabors Caramanis & Associates
Chris, King	Manatt Phelps Phillips	Tecogen, Inc.
City of Palo Alto	McKenzie & Associates	Tiger Natural Gas, Inc.
City of Palo Alto Utilities	Merced Irrigation District	TransCanada
City of San Jose	Modesto Irrigation District	Turlock Irrigation District
Clean Energy Fuels	Morgan Stanley	United Cogen
Coast Economic Consulting	Morrison & Foerster	Utility Cost Management
Commercial Energy	NLine Energy, Inc.	Utility Specialists
Consumer Federation of California	NRG West	Verizon
Crossborder Energy	NaturEner	Wellhead Electric Company
Davis Wright Tremaine LLP	Navigant Consulting	Western Manufactured Housing Communities Association (WMA)
Day Carter Murphy	Norris & Wong Associates	eMeter Corporation
Defense Energy Support Center	North America Power Partners	
Department of Water Resources	North Coast SolarResources	