

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



October 15, 2008

**Advice Letter 3319-E**

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

**Subject: Revision of Electric Schedule E-9 – Experimental Residential  
Time-Of-Use Service for Low Emission Vehicle Customers to  
Add Plug-in Hybrid Electric Vehicles**

Dear Mr. Cherry:

Advice Letter 3319-E is effective September 15, 2008.

Sincerely,

A handwritten signature in black ink, appearing to read "Ken Lewis".

Kenneth Lewis, Acting Director  
Energy Division



August 15, 2008

**Advice 3319-E**

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

**Subject: Revision of Electric Schedule E-9 – Experimental Residential Time-of-Use Service for Low Emission Vehicle Customers to add Plug-in Hybrid Electric Vehicles**

Pacific Gas and Electric Company (PG&E) hereby submits for filing revisions to its electric tariffs. The affected tariff sheets are listed on the enclosed Attachment I.

**Purpose**

The proposed revision will make time-of-use Electric Schedule E-9 mandatory for residential customers recharging a Plug-in Hybrid Electric Vehicles (PHEV). The revision will make the economic advantages of the low cost off-peak rate in time-of-use Rate Schedule E-9 available to PHEV owners, thereby encouraging off-peak vehicle recharging.

**Background**

Schedule E-9 is currently applicable for residential customers that (i) recharge an electric vehicle fueled exclusively with electricity or (ii) refuel a natural gas vehicle via a home refueling appliance. Because PHEVs are not fueled exclusively with electricity, they are currently excluded from service on Schedule E-9.

PHEVs are expected to significantly increase in numbers over the next several years. Beginning this year the California Air Resources Board added PHEVs to the compliance options for automobile manufacturers under the Zero Emission Vehicle Program. Advances in battery technology are increasing the all-electric range and overall economy of PHEVs. Also, PHEVs have even lower tailpipe emissions than standard hybrid vehicles.

Schedule E-9 will be modified to add a reference to PHEVs and to rephrase the current references to exclusively-electric vehicles to use the "battery electric vehicle" (BEV) terminology.

### **Tariff Revisions**

The proposed revisions to Schedule E-9 are as follows:

- The Applicability Statement will be revised to read as follows:

This 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 is required for customers with a BEV or PHEV. 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 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 Customer's Premises or Schedule GL1-NGV – Residential CARE Program Natural Gas Service For Compression on Customer's 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 refueling.

Depending on the manner in which the customer will refuel 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 (HRA).

- Special Condition 1 of Schedule E-9 will be revised to read as follows:

1. **BASELINE RATES:** Baseline rates are applicable only to separately metered residential use. PG&E may require the customer to file with it a Declaration of Eligibility for Baseline Quantities for Residential Rates.

### **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 **September 4, 2008**, which is 20 days after the date of this filing. 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: [anj@cpuc.ca.gov](mailto:anj@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, Regulatory Relations  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, California 94177

Facsimile: (415) 973-7226  
E-mail: [PGETariffs@pge.com](mailto:PGETariffs@pge.com)

### **Effective Date**

PG&E requests that this advice filing become effective on regular notice, **September 15, 2008**, which is 31 calendar days after the date of filing.<sup>1</sup>

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<sup>1</sup> The 30<sup>th</sup> day of from the filing date occurs on a weekend; therefore PG&E moves the requested effective date to the next business day.

**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. Address changes to the General Order 96-B service list should be directed to Rose de la Torre at (415) 973-4716. Advice letter filings can also be accessed electronically at: **<http://www.pge.com/tariffs>**

A handwritten signature in cursive script that reads "Brian K. Cherry / dc".

Vice President, Regulatory Relations

Attachments

cc: Service List

# 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: Daren Chan

Phone #: (415) 973-5361

E-mail: D1CT@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) #: **3319-E**

Tier: 2

Subject of AL: Revision of Electric Schedule E-9 – Experimental Residential Time-of-Use Service for Low Emission Vehicle Customers to add Plug-in Hybrid Electric Vehicles

Keywords (choose from CPUC listing): Plug-in Hybrid Electric Vehicle Tariff

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

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #:

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:

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: No

Confidential information will be made available to those who have executed a nondisclosure agreement: N/A

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: **September 15, 2008**

No. of tariff sheets: 4

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: Electric Rate Schedule E-9

Service affected and changes proposed: 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 K. Cherry, Vice President, Regulatory Relations  
77 Beale Street, Mail Code B10C

P.O. Box 770000

San Francisco, CA 94177

E-mail: PGETariffs@pge.com

**ATTACHMENT 1  
Advice 3319-E**

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

**Title of Sheet**

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

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27655-E	ELECTRIC SCHEDULE E-9 EXPERIMENTAL RESIDENTIAL TIME-OF-USE SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS Sheet 1	26891-E*
27656-E	ELECTRIC SCHEDULE E-9 EXPERIMENTAL RESIDENTIAL TIME-OF-USE SERVICE FOR LOW EMISSION VEHICLE CUSTOMERS Sheet 6	27371-E
27657-E	ELECTRIC TABLE OF CONTENTS Sheet 1	27644-E
27658-E	ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 2	27602-E



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

APPLICABILITY: This 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 is required for customers with a BEV or PHEV. 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. (T)

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 of this rate schedule for exemptions to standby charges. (T)

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

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. (T)

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

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 6

- SPECIAL CONDITIONS:
1. **BASELINE RATES:** Baseline rates are applicable only to separately metered residential use. PG&E may require the customer to file with it a Declaration of Eligibility for Baseline Quantities for Residential Rates. (T)
  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):

**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	16.5	12.9	20.1	35.5
Q	8.3	12.6	11.1	22.9
R	18.1	12.3	23.2	32.6
S	16.5	12.7	20.1	32.0
T	8.3	9.8	11.1	20.2
V	9.6	11.1	16.5	27.5
W	19.4	11.4	27.3	29.2
X	12.1	12.6	12.2	22.9
Y	12.2	13.3	15.0	30.9
Z	8.8	11.6	12.8	31.5

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

(Continued)



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Sheet 1

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Sheet 2

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(T)

(Continued)

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

<b>Aglet</b>	<b>Department of the Army</b>	<b>Northern California Power Association</b>
<b>Agnews Developmental Center</b>	<b>Dept of General Services</b>	<b>Occidental Energy Marketing, Inc.</b>
<b>Alcantar &amp; Kahl</b>	<b>Division of Business Advisory Services</b>	<b>OnGrid Solar</b>
<b>Ancillary Services Coalition</b>	<b>Douglas &amp; Liddell</b>	<b>PITCO</b>
<b>Anderson &amp; Poole</b>	<b>Douglass &amp; Liddell</b>	<b>PPL EnergyPlus, LLC</b>
<b>Arizona Public Service Company</b>	<b>Downey &amp; Brand</b>	<b>Pinnacle CNG Company</b>
<b>BART</b>	<b>Duke Energy</b>	<b>Praxair</b>
<b>BP Energy Company</b>	<b>Duncan, Virgil E.</b>	<b>R. W. Beck &amp; Associates</b>
<b>Barkovich &amp; Yap, Inc.</b>	<b>Dutcher, John</b>	<b>RCS, Inc.</b>
<b>Bartle Wells Associates</b>	<b>Ellison Schneider &amp; Harris LLP</b>	<b>RMC Lonestar</b>
<b>Blue Ridge Gas</b>	<b>Energy Management Services, LLC</b>	<b>Recon Research</b>
<b>Braun &amp; Associates</b>	<b>FPL Energy Project Management, Inc.</b>	<b>SCD Energy Solutions</b>
<b>C &amp; H Sugar Co.</b>	<b>Foster Farms</b>	<b>SCE</b>
<b>CA Bldg Industry Association</b>	<b>Foster, Wheeler, Martinez</b>	<b>SESCO</b>
<b>CAISO</b>	<b>Franciscan Mobilehome</b>	<b>SMUD</b>
<b>CLECA Law Office</b>	<b>G. A. Krause &amp; Assoc.</b>	<b>SPURR</b>
<b>CSC Energy Services</b>	<b>GLJ Publications</b>	<b>Santa Fe Jets</b>
<b>California Cotton Ginners &amp; Growers Assn</b>	<b>Goodin, MacBride, Squeri, Schlotz &amp; Ritchie</b>	<b>Seattle City Light</b>
<b>California Energy Commission</b>	<b>Green Power Institute</b>	<b>Sempra Utilities</b>
<b>California League of Food Processors</b>	<b>Hanna &amp; Morton</b>	<b>Sequoia Union HS Dist</b>
<b>California Public Utilities Commission</b>	<b>Heeg, Peggy A.</b>	<b>Sierra Pacific Power Company</b>
<b>California Water Company</b>	<b>Hitachi</b>	<b>Silicon Valley Power</b>
<b>Calpine</b>	<b>Hogan Manufacturing, Inc.</b>	<b>Smurfit Stone Container Corp</b>
<b>Cameron McKenna</b>	<b>Imperial Irrigation District</b>	<b>Southern California Edison Company</b>
<b>Cardinal Cogen</b>	<b>Innercite</b>	<b>St. Paul Assoc.</b>
<b>Casner, Steve</b>	<b>International Power Technology</b>	<b>Sunshine Design</b>
<b>Cerox</b>	<b>Intestate Gas Services, Inc.</b>	<b>Sutherland, Asbill &amp; Brennan</b>
<b>Chamberlain, Eric</b>	<b>J. R. Wood, Inc.</b>	<b>TFS Energy</b>
<b>Chevron Company</b>	<b>JTM, Inc.</b>	<b>Tabors Caramanis &amp; Associates</b>
<b>Chris, King</b>	<b>Los Angeles Dept of Water &amp; Power</b>	<b>Tecogen, Inc.</b>
<b>City of Glendale</b>	<b>Luce, Forward, Hamilton &amp; Scripps LLP</b>	<b>TransCanada</b>
<b>City of Palo Alto</b>	<b>MBMC, Inc.</b>	<b>Turlock Irrigation District</b>
<b>City of San Jose</b>	<b>MRW &amp; Associates</b>	<b>U S Borax, Inc.</b>
<b>Clean Energy Fuels</b>	<b>Manatt Phelps Phillips</b>	<b>United Cogen</b>

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

<b>Coast Economic Consulting</b>	<b>Matthew V. Brady &amp; Associates</b>	<b>Utility Cost Management</b>
<b>Commerce Energy</b>	<b>McKenzie &amp; Associates</b>	<b>Utility Resource Network</b>
<b>Commercial Energy</b>	<b>Meek, Daniel W.</b>	<b>Utility Specialists</b>
<b>Constellation</b>	<b>Merced Irrigation District</b>	<b>Vandenberg Air Force</b>
<b>Constellation New Energy</b>	<b>Mirant</b>	<b>Verizon</b>
<b>Consumer Federation of California</b>	<b>Modesto Irrigation District</b>	<b>Wellhead Electric Company</b>
<b>Crossborder Energy</b>	<b>Morgan Stanley</b>	<b>Western Manufactured Housing Communities Association (WMA)</b>
<b>Davis Wright Tremaine LLP</b>	<b>Morrison &amp; Foerster</b>	<b>White &amp; Case</b>
<b>Day Carter Murphy</b>	<b>New United Motor Mfg., Inc.</b>	<b>eMeter Corporation</b>
<b>Defense Energy Support Center</b>	<b>Norris &amp; Wong Associates</b>	
<b>Department of Water Resources</b>	<b>North Coast SolarResources</b>	