October 8, 2014

Meredith Allen
Senior Director, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177

SUBJECT: Revision to Electric Rate Schedule LS-1 (PG&E-Owned Street and Highway Lighting) implementing Decision 14-08-032, ordering paragraph 11

Dear Ms. Allen:

Advice Letter 4488-E is effective as of September 11, 2014.

Sincerely,

Edward Randolph
Director, Energy Division
September 11, 2014

Advice 4488-E
(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Revision to Electric Rate Schedule LS-1 (PG&E-Owned Street and Highway Lighting) implementing Decision 14-08-032, ordering paragraph 11.

Purpose

The purpose of this advice filing is to implement Decision (“D.”) 14-08-032, ordering paragraph (“OP”) 11, whereby Pacific Gas and Electric Company (“PG&E”) is authorized to implement its proposed rate design for replacement of PG&E owned non-decorative High Pressure Sodium Vapor (“HPSV”) streetlights with light-emitting diode (“LED”) streetlights.

Background


During the program, PG&E will charge customers who participate in the LED Streetlight Program an incremental facilities charge to fund program start-up costs and recovery of the remaining plant value of HPSV streetlights retired during the course of the LED Streetlight Program.
The capital cost recovery period associated with the LED Streetlight Program is based on the projected life of the assets to be installed. PG&E will charge customers who participate in the LED Streetlight Program the incremental facilities charge during the current General Rate Case (“GRC”) period. PG&E estimates that after this current GRC period, when Revenue Requirements will be higher due to initial program costs and recovery of remaining plant value of HPSV streetlights retired in the course of program work, the current CPUC approved facilities charges may enable PG&E to recover the remaining costs related to the LED Streetlight Program. For this reason, PG&E may be able to discontinue the incremental facility charge after the current GRC period. Final determination regarding the incremental facility charge will be addressed in the 2017 GRC proceeding.

Tariff Revisions

Electric Rule LS-1

- Sheet 2 (Cal. P.U.C. Sheet No. 33812-E), Rates
  - Added: “LED Program Incremental Facility Charge”

- Sheet 11 (Cal. P.U.C. Sheet No. 30805-E), Section 4. Description of Service Provided
  - Inserted text: “…For new LED installations…”
  - Inserted text: “…For LS-1A customers who elect to participate in PG&E’s optional LED streetlight replacement program, no advance costs will be collected for the replacement of existing lights, but the customer will pay the Incremental Facility Charge authorized in D. 14-08-032.”

- Sheet 16 (Cal. P.U.C. Sheet No. 30284-E), Section 9b. Payment for Installation of Lighting Facilities
  - Inserted text: “…For LS-1A, LS-1C, LS-1E and LS-1F customers who elect to participate in PG&E’s optional LED streetlight replacement program, no advance costs will be collected for the replacement of existing lights, but the customer will pay the Incremental Facilities Charge authorized in D. 14-08-032.”

The filing would not increase any current rate or charge, cause the withdrawal of service, or conflict with any rate schedule or rule.
Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile or E-mail, no later than October 1, 2014, which is 20 days after the date of this filing. Protests must be submitted to:

CPUC Energy Division  
ED Tariff Unit  
505 Van Ness Avenue, 4th Floor  
San Francisco, California 94102  

Facsimile: (415) 703-2200  
E-mail: EDTariffUnit@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 shall also be sent to PG&E either via E-mail or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Meredith Allen  
Senior Director, 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

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that this Tier 1 advice filing become effective upon filing.
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 PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission’s Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: http://www.pge.com/tariffs/.

Mudith Allen / TW

Senior Director, Regulatory Relations

Attachments

cc: Service List A. 12-11-009
Company name/CPUC Utility No. **Pacific Gas and Electric Company (ID U39 E)**

Utility type:  
- ☑ ELC  
- ☐ GAS  
- ☐ PLC  
- ☐ HEAT  
- ☐ WATER  

Contact Person: **Jennifer Wirowek**  
Phone #: **(415) 973-1419**  
E-mail: **J6ws@pge.com and PGETariffs@pge.com**

**EXPLANATION OF UTILITY TYPE**

ELC = Electric  
GAS = Gas  
PLC = Pipeline  
HEAT = Heat  
WATER = Water

**Advice Letter (AL) #: 4488-E**  
**Tier: 1**

Subject of AL: **Revision to Electric Rate Schedule LS-1 (PG&E-Owned Street and Highway Lighting) implementing Decision 14-08-032, ordering paragraph 11.**

Keywords (choose from CPUC listing): **Street Lights**

AL filing type: ☑ Monthly ☐ Quarterly ☐ Annual ☑ One-Time ☐ Other ____________________________

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: **D 14-08-032**

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 11, 2014**  
No. of tariff sheets: **5**

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 RULE LS-1**

Service affected and changes proposed: **LED Program Incremental Facility Charge**

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:

**California Public Utilities Commission**  
**Attn: Meredith Allen**  
**Senior Director, Regulatory Relations**  
**77 Beale Street, Mail Code B10C**  
**P.O. Box 770000**  
**San Francisco, CA 94177**  
**E-mail: PGETariffs@pge.com**
<table>
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<tr>
<th>Cal P.U.C. Sheet No.</th>
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<td>ELECTRIC SCHEDULE LS-1 PG&amp;E-OWNED STREET AND HIGHWAY LIGHTING</td>
<td>33812-E</td>
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<td>34346-E</td>
<td>ELECTRIC SCHEDULE LS-1 PG&amp;E-OWNED STREET AND HIGHWAY LIGHTING</td>
<td>30805-E</td>
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<td>34347-E</td>
<td>ELECTRIC SCHEDULE LS-1 PG&amp;E-OWNED STREET AND HIGHWAY LIGHTING</td>
<td>30284-E</td>
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<td>34349-E</td>
<td>ELECTRIC TABLE OF CONTENTS RATE SCHEDULES</td>
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ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

RATES: (Cont'd.)

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<th>CLASS</th>
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<th>B</th>
<th>C**</th>
<th>D</th>
<th>E</th>
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LED Program Incremental Facility Charge

|              | $2.814     | $2.814     | $2.814     | (N)        |

Energy Charge Per Lamp Per Month

All Night Rates

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<th>LAMP WATTS</th>
<th>kWh per MONTH</th>
<th>AVERAGE INITIAL LUMENS</th>
<th>All Classes</th>
<th>Half-Hour Adjustment</th>
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INCANDESCENT LAMPS*:

| 58         | 20            | 600                    | $2.892      | $0.131               |
| 92         | 31            | 1,000                  | $4.482      | $0.204               |
| 189        | 65            | 2,500                  | $9.398      | $0.427               |
| 295        | 101           | 4,000                  | $14.603     | $0.664               |
| 405        | 139           | 6,000                  | $20.097     | $0.914               |

MERCURY VAPOR LAMPS*:

| 100        | 40            | 3,500                  | $5.783      | $0.263               |
| 175        | 68            | 7,500                  | $9.831      | $0.447               |
| 250        | 97            | 11,000                 | $14.024     | $0.637               |
| 400        | 152           | 21,000                 | $21.976     | $0.999               |
| 700        | 266           | 37,000                 | $38.458     | $1.748               |

HIGH PRESSURE SODIUM VAPOR LAMPS:

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<th>120 Volts</th>
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<td>400</td>
<td>154</td>
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<td>154</td>
<td>46,000</td>
<td>$22.265</td>
<td>$1.012</td>
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* Closed to new installations as of June 8, 1978, except where PG&E and customer shall agree, mercury vapor lamps may be installed under Class A and C to provide compatibility with existing light sources.

** Closed to new installation. See Special Condition 4.

(Continued)
4. **DESCRIPTION OF SERVICE PROVIDED:**

The following describes lighting facilities only. Lighting facilities payments, and service connections and payments, are described in special conditions 7, 8 and 9.

Class A: PG&E owns and maintains luminaire, control facilities, support arm, and service wiring on its existing distribution pole. There is no installation charge for this class for standard (non-decorative) High Pressure Sodium (HPS) luminaires. For new LED installations the Customer shall pay to PG&E in advance a non-refundable amount equal to PG&E’s estimated installed cost difference between the LED luminaire and the non-decorative HPS luminaire that PG&E has determined to have equivalent light output. Only luminaires selected by PG&E are eligible for installation under LS-1, except as addressed in Special Condition 12. For LS-1A customers who elect to participate in PG&E’s optional LED streetlight replacement program, no advance costs will be collected for the replacement of existing lights, but the customer will pay the Incremental Facility Charge authorized in D. 14-08-032.

Class B: PG&E owns and maintains luminaire, control facilities, support arm, pole or post, foundation and service connection and where Customer has paid the estimated installed cost of the luminaire, support arm and control facilities (applicable only to installations in service as of September 11, 1978).
SPECIAL CONDITIONS: (Cont’d.)

9. PAYMENT FOR INSTALLATION OF LIGHTING FACILITIES:

a) For HPS installations, PG&E will provide at its expense the luminaire kit and standard arm for LS-1A and LS-1C for second and multiple lights on a PG&E pole, for Class LS-1D, a standard post top, for Class LS-1E a luminaire kit, and for Class LS-1F a luminaire kit and standard arm. Customer or Applicant shall pay, in advance, the estimated installed cost of the remaining lighting facilities that PG&E is required to install. Allowances are not applied to street light facilities on the load side of the service delivery point.

b) For non-decorative LED installations under LS-1A, LS-1C for second and multiple lights on a PG&E pole, LS-1E and LS-1F, where the LED fixture has been approved by PG&E, the Customer shall pay to PG&E, in advance a non-refundable amount equal to PG&E’s estimated cost difference between the LED installation and installation of a standard non-decorative HPS luminaire of equivalent light output as determined by PG&E. Only fixtures selected by PG&E are eligible for installation under LS-1 except as addressed in Special Condition 12. Allowances are not applied to street light facilities on the load side of the service delivery point.

For LS-1A, LS-1C, LS-1E and LS-1F customers who elect to participate in PG&E’s optional LED streetlight replacement program, no advance costs will be collected for the replacement of existing lights, but the customer will pay the Incremental Facility Charge authorized in D. 14-08-032.

Any attachments to street light poles requested by governmental agencies requires prior approval by PG&E and execution of a license agreement. Unauthorized attachments are subject to removal.
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<td>33253-E</td>
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## RATE SCHEDULES

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AT&T
Alcantar & Kahl LLP
Anderson & Poole
BART
Barkovich & Yap, Inc.
Bartle Wells Associates
Braun Blasing McLaughlin, P.C.

CENERGY POWER
California Cotton Ginners & Growers Assn
California Energy Commission
California Public Utilities Commission
California State Association of Counties
Calpine
Casner, Steve
Center for Biological Diversity
City of Palo Alto

City of San Jose
Clean Power
Coast Economic Consulting
Commercial Energy
Cool Earth Solar, Inc.
County of Tehama - Department of Public Works

Crossborder Energy
Davis Wright Tremaine LLP
Day Carter Murphy
Defense Energy Support Center
Dept of General Services

Division of Ratepayer Advocates
Douglass & Liddell
Downey & Brand
Ellison Schneider & Harris LLP
G. A. Krause & Assoc.
GenOn Energy Inc.
GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz & Ritchie
Green Power Institute
Hanna & Morton
In House Energy
International Power Technology
Intestate Gas Services, Inc.
K&L Gates LLP
Kelly Group
Linde
Los Angeles County Integrated Waste Management Task Force
Los Angeles Dept of Water & Power
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenna Long & Aldridge LLP
McKenzie & Associates
Modesto Irrigation District
Morgan Stanley
NLine Energy, Inc.
NRG Solar
Nexant, Inc.
North America Power Partners
Occidental Energy Marketing, Inc.
OnGrid Solar
Pacific Gas and Electric Company
Praxair
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
SCE
SDG&E and SoCalGas
SPURR
San Francisco Public Utilities Commission
Seattle City Light
Sempra Utilities
SoCalGas
Southern California Edison Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
Tiger Natural Gas, Inc.
TransCanada
Utility Cost Management
Utility Power Solutions
Utility Specialists
Verizon
Water and Energy Consulting
Wellhead Electric Company
Western Manufactured Housing Communities Association (WMA)