

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



May 17, 2011

Advice Letter 3831-E

Jane K. Yura
Vice President, Regulation and Rates
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10B
P.O. Box 770000
San Francisco, CA 94177

**Subject: Revisions to Electric Rate Schedule LS-1, PG&E-Owned Street
and Highway Lighting, to Add Light-Emitting Diode (LED)
Street Lighting**

Dear Ms. Yura:

Advice Letter 3831-E is effective June 1, 2011.

Sincerely,

A handwritten signature in blue ink, appearing to read "Julie A. Fitch".

Julie A. Fitch, Director
Energy Division



Jane K. Yura
Vice President
Regulation and Rates

Pacific Gas and Electric Company
77 Beale St., Mail Code B10B
P.O. Box 770000
San Francisco, CA 94177

Fax: 415-973-6520

April 18, 2011

Advice 3831-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Revisions to Electric Rate Schedule LS-1, PG&E-Owned Street and Highway Lighting, to Add Light-Emitting Diode (LED) Street Lighting

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

PG&E requests California Public Utilities Commission ("CPUC" or "Commission") approval for revisions to electric rate schedule LS-1 to include energy-efficient Light-Emitting Diode ("LED") street light technologies. PG&E proposes that these changes will apply to non-decorative installations in LS-1 Classes A, C, E and F for customers who want the option of LED lights for installation of new, or replacement of existing, street lights.

This filing also represents PG&E's efforts to respond to requests from customers currently on the LS-1 rate schedule to offer an LED option.

Because initial material costs of LED fixtures have not achieved parity with non-decorative high-pressure sodium ("HPS") (standard cobra head type) fixtures, PG&E is proposing that PG&E's contribution to new LED lighting installations will be limited to the same amount currently offered for an equivalent non-decorative HPS lighting installation.

Background

On April 23, 2009, the CPUC approved Advice 3431-E, effective May 1, 2009, approving tariff revisions to add LED street lights to electric rate schedule LS-2, "Customer Owned Street and Highway Lighting." This filing was successful in

responding to the growing number of PG&E customers electing to take advantage of the energy-efficient LED technology.

The LED technology has continued to grow in popularity among PG&E's street light customers, including those on electric rate schedule LS-1. PG&E continues to receive requests from these customers to add the option of installing LED street lights for new installations. Some customers, who have a combination of street lights that are on both rate schedule LS-2 ("Customer-Owned Street and Highway Lighting") and LS-1, have experienced the advantages of the LED technologies, and some of these customers would like to similarly convert PG&E-owned LS-1 street lights for energy efficiency and consistency of inventory. In response to these types of customer requests, PG&E proposes to incorporate LED street lights into electric rate schedule LS-1 as a standard offering.

Consistent with electric rate schedule LS-2, PG&E will add LED lamp sizes in five-watt increments, or "ranges", from zero to 400 watts (watts are measured based on total energy consumption of lamp and driver) to rate schedule LS-1. Billing will be based on a single mid-point wattage value for kWh per month for each range. The mid-point wattage value was determined by subtracting 2.5 watts from the highest value in each range. The kWh per month will be based on the hours of operation established in the tariff (4,100 hours for a full year).

The average monthly energy use is calculated by using the same formula presently included in the LS-1 tariff. For LED street lights, the calculation is represented as follows: (Mid-point wattage for each range) x 4,100 hours/12 months/1000=billing kWh/month, which is rounded to the nearest 1/10th kWh.

Because of the unique characteristics of LED lighting, luminaire efficacy (expressed in lumens/watt) can vary greatly between different LED street lighting products. Lumen output is dependent on many factors, such as the type of LED used in the luminaire, drive current, and secondary optic design. Fixture thermal management (i.e., heat sinks and other heat removal mechanisms) can significantly affect LED light output, and varies between fixture designs. Currently, there is no industry standardization for these fixture design factors. For these reasons, average lumen output is not included in the tariff for the LED wattage ranges.

The inclusion of the LED table with five-watt ranges within the LS-1 rate schedule will minimize PG&E's need to submit Commission filings in response to the frequent changes in LED lamp and fixture options that are offered by various manufacturers.

Tariff Revisions

Tariff sheets from Electric Rate Schedule LS-1 are attached to illustrate the proposed revisions to the tariff. The illustrative rates shown in the attachment reflect street light rates based on energy charges in effect as of March 1, 2011.

Revisions to Electric Rate Schedule LS-1 consist of:

- New energy rates for LED lamp type were added.
- Under “Special Conditions,” Item 4, “Description of Service Provided,” information was added for exception for LED fixtures under Class A.
- Under “Special Conditions,” Item 9, “Payment for Installation of Lighting Facilities” information was added for HPS installations and treatment of non-decorative LED installations.

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 **May 9, 2011**, which is 21 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: jnj@cpuc.ca.gov and 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:

* Since the end of the protest period falls on weekend, PG&E is extending the protest date to the following business day.

Jane Yura
Vice President, Regulation and Rates
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10B
P.O. Box 770000
San Francisco, California 94177

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

Effective Date

PG&E requests that this advice filing become effective on **June 1, 2011**.

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 and to the General Order 96-B service list and electronic approvals should be directed to e-mail 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. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>.

A handwritten signature in cursive script that reads "Jane Yura /emt".

Vice President – Regulation and Rates

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) #: **3831-E**

Tier: **2**

Subject of AL: **Revisions to Electric Rate Schedule LS-1, PG&E-Owned Street and Highway Lighting, to Add Light-Emitting Diode (LED) Street Lighting**

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 #:

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 AL¹: _____

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: **June 1, 2011**

No. of tariff sheets: 19

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 LS-1

Service affected and changes proposed¹: 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: Jane Yura
Vice President, Regulation and Rates
77 Beale Street, Mail Code B10B
P.O. Box 770000
San Francisco, CA 94177
E-mail: PGETariffs@pge.com

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

Title of Sheet

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

30272-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 4	
30273-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 5	
30274-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 6	
30275-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 7	
30276-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 8	
30277-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 9	30048-E
30278-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 10	26970-E
30279-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 11	24536-E
30280-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 12	

**ATTACHMENT 1
Advice 3831-E**

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
30281-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 13	24537-E
30282-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 14	
30283-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 15	26971-E
30284-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 16	
30285-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 17	26972-E
30286-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 18	
30287-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 19	28838-E
30288-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 20	29863-E
30289-E	ELECTRIC TABLE OF CONTENTS Sheet 1	29948-E
30290-E	ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 5	30065-E



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 4

RATES: (Cont'd.)

(N)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS

Nominal Lamp Ratings

<u>LAMP WATTS***</u>	<u>kWh per MONTH****</u>	<u>A, C, E and F Only Energy Rates Per Lamp Per Month</u>	<u>Half-Hour Adjustment</u>
0.0-5.0	0.9	\$0.109	\$0.005
5.1-10.0	2.6	\$0.316	\$0.014
10.1-15.0	4.3	\$0.523	\$0.024
15.1-20.0	6.0	\$0.729	\$0.033
20.1-25.0	7.7	\$0.936	\$0.043
25.1-30.0	9.4	\$1.142	\$0.052
30.1-35.0	11.1	\$1.349	\$0.061
35.1-40.0	12.8	\$1.556	\$0.071
40.1-45.0	14.5	\$1.762	\$0.080
45.1-50.0	16.2	\$1.969	\$0.090
50.1-55.0	17.9	\$2.175	\$0.099
55.1-60.0	19.6	\$2.382	\$0.108
60.1-65.0	21.4	\$2.601	\$0.118
65.1-70.0	23.1	\$2.807	\$0.128
70.1-75.0	24.8	\$3.014	\$0.137
75.1-80.0	26.5	\$3.221	\$0.146
80.1-85.0	28.2	\$3.427	\$0.156
85.1-90.0	29.9	\$3.634	\$0.165
90.1-95.0	31.6	\$3.840	\$0.175

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
 (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(N)

(Continued)



ELECTRIC SCHEDULE LS-1
 PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 5

RATES: (Cont'd.)

(N)

LIGHT EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

Nominal Lamp Ratings

<u>LAMP WATTS***</u>	<u>kWh per MONTH****</u>	<u>A, C, E and F Only Energy Rates Per Lamp Per Month</u>	<u>Half-Hour Adjustment</u>
95.1-100.0	33.3	\$4.047	\$0.184
100.1-105.1	35.0	\$4.254	\$0.193
105.1-110.0	36.7	\$4.460	\$0.203
110.1-115.0	38.4	\$4.667	\$0.212
115.1-120.0	40.1	\$4.873	\$0.222
120.1-125.0	41.9	\$5.092	\$0.231
125.1-130.0	43.6	\$5.299	\$0.241
130.1-135.0	45.3	\$5.505	\$0.250
135.1-140.0	47.0	\$5.712	\$0.260
140.1-145.0	48.7	\$5.919	\$0.269
145.1-150.0	50.4	\$6.125	\$0.278
150.1-155.0	52.1	\$6.332	\$0.288
155.1-160.0	53.8	\$6.538	\$0.297

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
 (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(N)

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 6

RATES: (Cont'd.)

(N)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

Nominal Lamp Ratings

LAMP WATTS***	kWh per MONTH****	A, C, E and F Only	
		Energy Rates Per Lamp Per Month	Half-Hour Adjustment
160.1-165.0	55.5	\$6.745	\$0.307
165.1-170.0	57.2	\$6.952	\$0.316
170.1-175.0	58.9	\$7.158	\$0.325
175.1-180.0	60.6	\$7.365	\$0.335
180.1-185.0	62.4	\$7.583	\$0.345
185.1-190.0	64.1	\$7.790	\$0.354
190.1-195.0	65.8	\$7.997	\$0.364
195.1-200.0	67.5	\$8.203	\$0.373
200.1-205.0	69.2	\$8.410	\$0.382
205.1-210.0	70.9	\$8.616	\$0.392
210.1-215.0	72.6	\$8.823	\$0.401
215.1-220.0	74.3	\$9.030	\$0.410
220.1-225.0	76.0	\$9.236	\$0.420
225.1-230.0	77.7	\$9.443	\$0.429
230.1-235.0	79.4	\$9.649	\$0.439
235.1-240.0	81.1	\$9.856	\$0.448
240.1-245.0	82.9	\$10.075	\$0.458
245.1-250.0	84.6	\$10.281	\$0.467

*** Wattage based on total consumption of lamp and driver.
 **** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
 (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(N)

(Continued)



ELECTRIC SCHEDULE LS-1
 PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 7

RATES: (Cont'd.) (N)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

Nominal Lamp Ratings

LAMP WATTS***	kWh per MONTH****	A, C, E and F Only Energy Rates Per Lamp Per Month	Half-Hour Adjustment
250.1-255.0	86.3	\$10.488	\$0.477
255.1-260.0	88.0	\$10.695	\$0.486
260.1-265.0	89.7	\$10.901	\$0.496
265.1-270.0	91.4	\$11.108	\$0.505
270.1-275.0	93.1	\$11.314	\$0.514
275.1-280.0	94.8	\$11.521	\$0.524
280.1-285.0	96.5	\$11.728	\$0.533
285.1-290.0	98.2	\$11.934	\$0.542
290.1-295.0	99.9	\$12.141	\$0.552
295.1-300.0	101.6	\$12.347	\$0.561
300.1-305.0	103.4	\$12.566	\$0.571
305.1-310.0	105.1	\$12.773	\$0.581
310.1-315.0	106.8	\$12.979	\$0.590
315.1-320.0	108.5	\$13.186	\$0.599
320.1-325.0	110.2	\$13.393	\$0.609
325.1-330.0	111.9	\$13.599	\$0.618

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
 (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(N)

(Continued)



ELECTRIC SCHEDULE LS-1
 PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 8

RATES: (Cont'd.)

(N)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

Nominal Lamp Ratings

LAMP WATTS***	kWh per MONTH****	A, C, E and F Only	
		Energy Rates Per Lamp Per Month	Half-Hour Adjustment
330.1-335.0	113.6	\$13.806	\$0.628
335.1-340.0	115.3	\$14.012	\$0.637
340.1-345.0	117.0	\$14.219	\$0.646
345.1-350.0	118.7	\$14.426	\$0.656
350.1-355.0	120.4	\$14.632	\$0.665
355.1-360.0	122.1	\$14.839	\$0.675
360.1-365.0	123.9	\$15.058	\$0.684
365.1-370.0	125.6	\$15.264	\$0.694
370.1-375.0	127.3	\$15.471	\$0.703
375.1-380.0	129.0	\$15.677	\$0.713
380.1-385.0	130.7	\$15.884	\$0.722
385.1-390.0	132.4	\$16.091	\$0.731
390.1-395.0	134.1	\$16.297	\$0.741
395.0-400.0	135.8	\$16.504	\$0.750

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
 (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(N)

(Continued)



ELECTRIC SCHEDULE LS-1
 PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 9

RATES: (Cont'd.)

(L)

TOTAL ENERGY RATES

Total Energy Charge Rate (\$ per kWh) \$0.12153

UNBUNDLING OF TOTAL ENERGY CHARGES

The total energy charge is unbundled according to the component rates shown below.

Energy Rate by Components (\$ per kWh)

Generation	\$0.06336
Distribution	\$0.02937
Transmission*	\$0.00812
Transmission Rate Adjustments* (all usage)	\$0.00148
Reliability Services*	\$0.00025
Public Purpose Programs	\$0.00733
Nuclear Decommissioning	\$0.00066
Competition Transition Charge	\$0.00119
Energy Cost Recovery Amount	\$0.00472
DWR Bond	\$0.00505

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

(L)

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 12

SPECIAL
 CONDITIONS:
 (Cont'd)

4. **DESCRIPTION OF SERVICE PROVIDED:** (Cont'd.) (N) (L)
- Class C: Closed to new mixed ownership installations as of March 1, 2006. Only used for multiple lights on PG&E-owned poles to avoid duplicate billing of poles. (N) |
- Class D: PG&E owns and maintains its standard post top luminaire, control facility, internal post wiring, standard post (20-foot mounting height or less) and foundation, underground or overhead circuit. |
- Class E: PG&E owns and maintains its standard luminaire, control facility, internal pole wiring, standard pole and foundation, underground or overhead circuit. |
- Class F: PG&E owns and maintains a standard luminaire, control facility, support arm, and service connection on its standard pole or post, installed solely for the luminaire. |
- (L)

(Continued)



ELECTRIC SCHEDULE LS-1
 PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 13

SPECIAL
 CONDITIONS:
 (Cont'd.)

5. **REARRANGEMENT OF FACILITIES:** For any relocation, or (L)
 rearrangement of PG&E's existing streetlight or service
 facilities at the request of the Customer and agreed to by
 PG&E, Customer shall pay PG&E, in advance, PG&E's
 estimated total cost of the relocation or rearrangement.

6. **SERVICE REQUESTS:** Service requests shall include form
 79-1007 or 79-1008 for installation, removals, energizing and
 de-energizing of streetlight facilities.

7. **SERVICE and LIGHTING INSTALLATION**
RESPONSIBILITIES: The Applicant at its expense shall
 perform all necessary trenching, backfill and paving, and
 shall furnish and install all necessary conduit, and
 substructures, including substructures for transformer
 installations if necessary, for street light service and circuits,
 in accordance with PG&E's specifications. Upon acceptance
 by PG&E, ownership of the conduit and substructures will
 automatically transfer to PG&E. Riser material is installed by
 PG&E at the Customer's expense. Tree trimming is the
 responsibility of the Applicant.

PG&E will furnish and install the underground or overhead
 service conductor, transformers and necessary facilities to
 complete the service from the distribution line source subject
 to the payment provision of special condition 8.

PG&E will establish service delivery points in close proximity
 to its distribution system as follows:

(L)

(L)

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 14

SPECIAL
 CONDITIONS:
 (Cont'd.)

**7. SERVICE and LIGHTING INSTALLATION
 RESPONSIBILITIES (Cont'd.)**

(N)
 (N)
 (N)

OVERHEAD: a) In an overhead area - a single drop will be installed; b) for an overhead to underground system, service will be established in a PG&E box at the base of the pole, or directly to a single light or to the first light of a multiple circuit based on PG&E's standard design, in the shortest most practical configuration from the connection on the distribution line source.

(L)

UNDERGROUND: For an underground area, service will be established at the nearest existing secondary box. Where no secondary facilities exist, a new service, transformer and secondary splice box, as required, will be installed in the shortest most practical configuration from the connection on the distribution line source.

The Customer shall provide rights of way, clear route and access acceptable to PG&E in accordance with the provisions of Electric Rule 16, and Special Condition 11 below.

Line or service extensions not conforming to the foregoing descriptions shall be installed under Special Condition 13.

(L)

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 15

SPECIAL
 CONDITIONS:
 (Cont'd.)

**8. NON REFUNDABLE PAYMENT FOR SERVICE POINT
 INSTALLATION**

(L)

- a) The Applicant shall pay in advance the estimated installed cost of facilities necessary to establish a service delivery point to serve the street light or street light circuit, minus a one-time revenue allowance based on the kWh of energy usage and the distribution component of the energy rate posted in the rate schedule for the lamps installed. The total allowance shall be determined by taking the annual equivalent kWh multiplied by the distribution component, then divided by the cost of service factor used in electric Rule 15.C.

- b) The allowance may only be provided where PG&E must install service facilities to connect street lights or street light circuits. No allowance will be provided where a simple connection is required, or in the case of a Class A installation. Only lights operating at a minimum on the full 11hour AN schedule shall be granted allowances. Where Applicant received allowances based upon 11 hour AN operation, no billing adjustments, as otherwise provided for in Special Condition 3, shall be made for the first three (3) years following commencement of service.

(L)

(L)

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 17

SPECIAL
 CONDITIONS:
 (Cont'd.)

- 10. **OWNERSHIP:** All facilities installed under the provisions of this rate schedule shall be owned, operated and maintained by PG&E. (L)
- 11. **MAINTENANCE, ACCESS, CLEARANCES**
 - a) Maintenance: PG&E shall exercise reasonable care and diligence in maintaining PG&E-owned facilities.
 - b) Access: Customer will maintain adequate access for PG&E's standard equipment used in maintaining facilities and for installation of its facilities. PG&E reserves the right to collect additional maintenance costs due to obstructed access or other conditions preventing PG&E from maintaining its equipment with standard operating procedures. Applicant or Customer shall be responsible for rearrangement charges as provided for in Special Condition 5.
 - c) Clearances: Customer will, at Customers expense, correct all access or clearance infractions, or pay PG&E's total estimated cost for PG&E to relocate facilities to a new location which is acceptable to PG&E. Failure to comply with corrective measures within a reasonable time may result in discontinuance of service in accordance with electric Rule 11. Applicant or Customer shall be responsible for tree trimming to maintain lighting patterns of existing lights. (L)

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 18

SPECIAL
 CONDITIONS:
 (Cont'd.)

12. **SPECIAL EQUIPMENT:** Luminaires, poles, posts and other equipment requested by an Applicant or Customer in addition to or in substitution for PG&E's standard poles, posts, photo controls and equipment, will be provided if such equipment meets PG&E's engineering and operating standards, and if PG&E agrees to do so, provided that the Applicant or Customer pays the cost difference between the equipment normally installed by PG&E and the equipment requested by the Applicant or Customer, plus an additional Cost of Ownership payment as provided for in Section I.3 of electric Rule 2. This provision is also applicable to special optical filters, shields or other special hardware required or requested by the Applicant or Customer or any governmental agency having jurisdiction.

(N) (L)
 (N) |
 (N) |

13. **LINE EXTENSIONS**

A. Where PG&E extends its facilities to street light installations in advance of subdivision projects where subdivision maps have been approved by local authorities, extensions will be installed under the provisions of electric Rule 15, except as noted below.

B. Where PG&E extends its facilities to street light installations in the absence of any approved subdivision maps, applicant shall pay PG&E's estimated cost, plus cost of ownership and applicable tax. Standard form contract 62-4527, Agreement to Perform Tariff Schedule Related Work, shall be used for these installations.

(L)

(Continued)



ELECTRIC SCHEDULE LS-1
 PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 19

SPECIAL
 CONDITIONS:
 (Cont'd.)

- 14. **TEMPORARY DISCONTINUANCE OF SERVICE:** (Fixture (L)
 remains in place.) At the request of the Customer, PG&E
 will temporarily discontinue service to the individual
 luminaires provided the Customer pays a facility charge
 equal to the all-night rate, adjusted to zero burning hours
 under the provisions of Special Condition 3, plus the
 estimated cost to disconnect and reconnect the light.
 - 15. **CONTRACT:** Except as otherwise provided in this rate
 schedule, or where lighting service is installed in conjunction
 with facilities installed under the provisions of Rules 15 or 16,
 standard form contract 62-4527, Agreement to Perform Tariff
 Schedule Related Work shall be used for installations,
 rearrangements or relocations.
 - 16. **MINIMUM SERVICE PERIOD:** Temporary services will be
 installed under electric Rule 13.
 - 17. **BILLING:** A Customer's bill is calculated based on the
 option applicable to the Customer. Payment will be made in
 accordance with PG&E's filed tariffs.
- Bundled Service Customers** receive supply and delivery
 service solely from PG&E. The customer's bill is based on
 the Total Rates and Conditions set forth in this schedule.
- Transitional Bundled Service Customers** take transitional
 bundled service as prescribed in Rules 22.1 and 23, 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. 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. (L)

(Continued)



ELECTRIC SCHEDULE LS-1
 PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 20

SPECIAL
 CONDITIONS:
 (Cont'd.)

17. **BILLING** (Cont'd.): (L)

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 are set forth in Schedules DA CRS and CCA CRS.

DA / CCA CRS

Energy Cost Recovery Amount	\$0.00472	
Charge (per kWh)		
DWR Bond Charge (per kWh)	\$0.00505	
CTC Charge (per kWh)	\$0.00119	
Power Charge Indifference		
Adjustment (per kWh)		
Pre-2009 Vintage	(\$0.00115)	
2009 Vintage	\$0.00243	
2010 Vintage	\$0.00263	
2011 Vintage	\$0.00263	

18. **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. (L)



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RATE SCHEDULES

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Advice Letter No: 3831-E
 Decision No.

Issued by
Jane K. Yura
 Vice President
 Regulation and Rates

Date Filed April 18, 2011
 Effective June 1, 2011
 Resolution No. _____

**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	Dutcher, John	R. W. Beck & Associates
BART	Economic Sciences Corporation	RCS, Inc.
Barkovich & Yap, Inc.	Ellison Schneider & Harris LLP	Recurrent Energy
Bartle Wells Associates	Foster Farms	SCD Energy Solutions
Bloomberg	G. A. Krause & Assoc.	SCE
Bloomberg New Energy Finance	GLJ Publications	SMUD
Boston Properties	GenOn Energy, Inc.	SPURR
	Goodin, MacBride, Squeri, Schlotz & Ritchie	San Francisco Public Utilities Commission
Braun Blaising McLaughlin, P.C.	Green Power Institute	Santa Fe Jets
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
Clean Energy Fuels	Modesto Irrigation District	Turlock Irrigation District
Coast Economic Consulting	Morgan Stanley	United Cogen
Commercial Energy	Morrison & Foerster	Utility Cost Management
Consumer Federation of California	NLine Energy, Inc.	Utility Specialists
Crossborder Energy	NRG West	Verizon
Davis Wright Tremaine LLP	Navigant Consulting	Wellhead Electric Company
Day Carter Murphy	Norris & Wong Associates	Western Manufactured Housing Communities Association (WMA)
		eMeter Corporation
Defense Energy Support Center	North America Power Partners	
Department of Water Resources	North Coast SolarResources	