

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



November 29, 2010

Advice Letter 3738-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: Addition of Induction Lamp Sizes to Customer-Owned Street
and Highway Lighting Schedule LS-2**

Dear Ms. Yura:

Advice Letter 3738-E is effective January 1, 2011.

Sincerely,

A handwritten signature in blue ink that reads "Julie A. Fitch".

Julie A. Fitch, Director
Energy Division

September 27, 2010

Advice 3738-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

**Subject: Addition of Induction Lamp Sizes to Customer-Owned Street
and Highway Lighting Schedule LS-2**

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 the California Public Utilities Commission (Commission) approval for revisions to the Electric Schedule LS-2 in response to customer requests to install induction lamp sizes on customer-owned facilities.

This advice letter also seeks Commission approval to make additional revisions to the LS-2 tariff to update information, correct typos, and add a requirement to label new fixtures. The proposed revisions are summarized below:

- **Class (Sheet 2):** Add missing asterisk to "C" column to correct footnote reference.
- **Rates (Sheet 3):** Update kWh per month and energy charge for existing induction lamp size (80W).
- **Special Conditions 2c (Sheet 10):** Rewrite existing text regarding service requests for clarity and include an additional eligible form number.
- **Special Conditions 2d (Sheet 10):** Add a special condition requiring the installation of wattage stickers for all lights installed under LS-2 to facilitate validation and field verification of customer-owned street light inventories. American National Standards Institute (ANSI) Standard C136.15 is already used by nearly all manufacturers and customers for identification of light types currently included in the standard. PG&E proposes to make markings for lamp types covered in ANSI C136.15 mandatory as a condition of service to new lights, and to include a requirement for markings on LED and Induction fixtures (which are not covered in ANSI C136.15). In the case of LED luminaires, PG&E proposes that the actual fixture wattage be included on the marking sticker. For induction fixtures,

PG&E proposes that the nominal lamp rating (in watts) be used.

- **Special Conditions 10 (Sheet 15):** Remove reference to Class B rates which no longer exist, pursuant to changes resulting from the 2007 GRC.

Background

PG&E currently has seven (7) induction lamp sizes included in Electric Schedule LS-2's Class A rates. Customers have requested that PG&E include additional sizes of induction lamps to the rate schedule to allow for greater choice and more control over energy consumption and associated costs for customer owned street lighting. PG&E proposes to add eight (8) induction lamp sizes to the Electric Schedule LS-2's Class A rates.

In the process of compiling technical data on induction lighting products from multiple manufacturers and vendors, PG&E research on the 80 watt induction lamp, which is currently in the tariff, identified slightly higher energy use with this lamp. Instead of 27 kWh per month, the 80 watt induction lamp should be rated at 28 kWh per month. To correct this, PG&E proposes to update the tariff with the revised usage number and continue to use PG&E's current methodology for calculating energy use for induction lighting. PG&E proposes modifying the induction lamp table in LS-2 to reflect an average of 28 kWh per month for the 80 watt size. PG&E does not intend to back bill customers, but will bill customers on a going forward basis with the revised energy usage number of 28 kWh per month.

Tariff Revisions

Tariff sheets from Electric Schedule LS-2 are attached to illustrate the proposed revisions to the tariff. The rates shown in the attachment reflect street light rates based on energy charges in effect as of June 1, 2010. PG&E will supplement this advice letter in December 2010 through its supplemental Annual Electric True-up Advice Letter, to reflect the revised street light rates when all electric rate changes go into effect on January 1, 2011.

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 18, 2010**, 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: 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:

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 Tier 2 advice filing become effective on regular notice, **January 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 to the General Order 96-B service list and all electronic approvals should be directed to email PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>.

A handwritten signature in black ink that reads "Jane Yura" followed by a stylized "OB" or similar initials.

Vice President, Regulation and Rates

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: Olivia Brown

Phone #: 415.973.9312

E-mail: oxb4@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) #: 3738-E

Tier: 2

Subject of AL: Addition of Induction Lamp Sizes to Customer-Owned Street and Highway Lighting Schedule LS-2

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 #: N/A

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: N/A

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: N/A

Resolution Required? Yes No

Requested effective date: January 1, 2011

No. of tariff sheets: 17

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). N/A

Tariff schedules affected: Electric Schedule LS-2

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: Jane K. 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

**ATTACHMENT 1
Advice 3738-E**

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

Title of Sheet

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

29647-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 2	29419-E
29648-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 3	29420-E
29649-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 4	
29650-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 5	29421-E
29651-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 6	29422-E
29652-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 7	29423-E
29653-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 8	28188-E
29654-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 9	29424-E
29655-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 10	28190-E

**ATTACHMENT 1
Advice 3738-E**

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
29656-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 11	28191-E*
29657-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 12	28192-E
29658-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 13	28193-E
29659-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 14	28194-E
29660-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 15	28195-E*
29661-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 16	29425-E
29662-E	ELECTRIC TABLE OF CONTENTS Sheet 1	29610-E
29663-E	ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 3	29549-E



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 2

RATES: (Cont'd.)

Facilities Charge Per Lamp Per Month

CLASS:	A	C***	(T)
	PG&E supplies energy and service only.	PG&E supplies the energy and maintenance service as described in Special Condition 8	
	\$0.187	\$2.688	

Energy Charge Per Lamp Per Month
 All Night Rates

Nominal Lamp Rating:

LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS*	Per Lamp Per Month	
			All Classes	Half-Hour Adjustment
INCANDESCENT LAMPS:				
58	20	600	\$2.435	\$0.111
92	31	1,000	\$3.774	\$0.172
189	65	2,500	\$7.912	\$0.360
295	101	4,000**	\$12.295	\$0.559
405	139	6,000**	\$16.920	\$0.769
620	212	10,000**	\$25.807	\$1.173
860	294	15,000**	\$35.789	\$1.627
MERCURY VAPOR LAMPS:				
40	18	1,300	\$2.191	\$0.100
50	22	1,650	\$2.678	\$0.122
100	40	3,500	\$4.869	\$0.221
175	68	7,500	\$8.278	\$0.376
250	97	11,000	\$11.808	\$0.537
400	152	21,000	\$18.503	\$0.841
700	266	37,000	\$32.380	\$1.472
1,000	377	57,000	\$45.892	\$2.086

* Latest published information should be consulted on best available lumens.
 ** Service for incandescent lamps over 2,500 lumens will be closed to new installations after September 11, 1978.
 *** Closed to new installations and new lamps on existing circuits, see Condition 8A.

(Continued)



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 3

RATES: (Cont'd.)

HIGH PRESSURE SODIUM VAPOR LAMPS AT:

120 VOLTS

35	15	2,150	\$1.826	\$0.083
50	21	3,800	\$2.556	\$0.116
70	29	5,800	\$3.530	\$0.160
100	41	9,500	\$4.991	\$0.227
150	60	16,000	\$7.304	\$0.332
200	80	22,000	\$9.738	\$0.443
250	100	26,000	\$12.173	\$0.553
400	154	46,000	\$18.746	\$0.852

HIGH PRESSURE SODIUM VAPOR LAMPS AT:

240 VOLTS

50	24	3,800	\$2.922	\$0.133
70	34	5,800	\$4.139	\$0.188
100	47	9,500	\$5.721	\$0.260
150	69	16,000	\$8.399	\$0.382
200	81	22,000	\$9.860	\$0.448
250	100	25,500	\$12.173	\$0.553
310	119	37,000	\$14.486	\$0.658
360	144	45,000	\$17.529	\$0.797
400	154	46,000	\$18.746	\$0.852

LOW PRESSURE SODIUM VAPOR LAMPS:

35	21	4,800	\$2.556	\$0.116
55	29	8,000	\$3.530	\$0.160
90	45	13,500	\$5.478	\$0.249
135	62	21,500	\$7.547	\$0.343
180	78	33,000	\$9.495	\$0.432

METAL HALIDE LAMPS:

70	30	5,500	\$3.652	\$0.166
100	41	8,500	\$4.991	\$0.227
150	63	13,500	\$7.669	\$0.349
175	72	14,000	\$8.765	\$0.398
250	105	20,500	\$12.782	\$0.581
400	162	30,000	\$19.720	\$0.896
1,000	387	90,000	\$47.110	\$2.141

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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 4

INDUCTION LAMPS:

23	9	1,840	\$1.096	(N)	\$0.050	(N)		(L)
35	13	2,450	\$1.582	(N)	\$0.072	(N)		
40	14	2,200	\$1.704		\$0.077			
50	18	3,500	\$2.191	(N)	\$0.100	(N)		
55	19	3,000	\$2.313		\$0.105			
65	24	5,525	\$2.922	(N)	\$0.133	(N)		
70	27	6,500	\$3.287	(N)	\$0.149	(N)		
80	28	4,500	\$3.408	(N)	\$0.155	(N)		
85	30	4,800	\$3.652		\$0.166			
100	36	8,000	\$4.382	(N)	\$0.199	(N)		
120	42	8,500	\$5.053		\$0.230			
135	48	9,450	\$5.843	(N)	\$0.266	(N)		
150	51	10,900	\$6.208		\$0.282			
165	58	12,000	\$7.060		\$0.321			
200	72	19,000	\$8.765	(N)	\$0.398	(N)		(L)

(Continued)



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 5

RATES: (Cont'd.)

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

LAMP WATTS****	kWh per MONTH*****	A Only	Half-Hour Adjustment
0.00-5.00	0.9	\$0.110	\$0.005
5.01-10.00	2.6	\$0.316	\$0.014
10.01-15.00	4.3	\$0.523	\$0.024
15.01-20.00	6.0	\$0.730	\$0.033
20.01-25.00	7.7	\$0.937	\$0.043
25.01-30.00	9.4	\$1.144	\$0.052
30.01-35.00	11.1	\$1.351	\$0.061
35.01-40.00	12.8	\$1.558	\$0.071
40.01-45.00	14.5	\$1.765	\$0.080
45.01-50.00	16.2	\$1.972	\$0.090
50.01-55.00	17.9	\$2.179	\$0.099
55.01-60.00	19.6	\$2.386	\$0.108
60.01-65.00	21.4	\$2.605	\$0.118
65.01-70.00	23.1	\$2.812	\$0.128
70.01-75.00	24.8	\$3.019	\$0.137
75.01-80.00	26.5	\$3.226	\$0.147
80.01-85.00	28.2	\$3.433	\$0.156
85.01-90.00	29.9	\$3.640	\$0.165
90.01-95.00	31.6	\$3.847	\$0.175
95.01-100.00	33.3	\$4.054	\$0.184
100.01-105.00	35.0	\$4.261	\$0.194
105.01-110.00	36.7	\$4.467	\$0.203
110.01-115.00	38.4	\$4.674	\$0.212
115.01-120.00	40.1	\$4.881	\$0.222
120.01-125.00	41.9	\$5.100	\$0.232
125.01-130.00	43.6	\$5.307	\$0.241
130.01-135.00	45.3	\$5.514	\$0.251
135.01-140.00	47.0	\$5.721	\$0.260
140.01-145.00	48.7	\$5.928	\$0.269

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Advice Letter No: 3738-E
 Decision No.

Issued by
Jane K. Yura
 Vice President
 Regulation and Rates

Date Filed September 27, 2010
 Effective January 1, 2011
 Resolution No. _____



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 6

RATES: (Cont'd.)

(L)

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

LAMP WATTS****	kWh per MONTH*****	A Only	Half-Hour Adjustment
145.01-150.00	50.4	\$6.135	\$0.279
150.01-155.00	52.1	\$6.342	\$0.288
155.01-160.00	53.8	\$6.549	\$0.298
160.01-165.00	55.5	\$6.756	\$0.307
165.01-170.00	57.2	\$6.963	\$0.317
170.01-175.00	58.9	\$7.170	\$0.326
175.01-180.00	60.6	\$7.377	\$0.335
180.01-185.00	62.4	\$7.596	\$0.345
185.01-190.00	64.1	\$7.803	\$0.355
190.01-195.00	65.8	\$8.010	\$0.364
195.01-200.00	67.5	\$8.217	\$0.374
200.01-205.00	69.2	\$8.424	\$0.383
205.01-210.00	70.9	\$8.631	\$0.392
210.01-215.00	72.6	\$8.838	\$0.402
215.01-220.00	74.3	\$9.045	\$0.411
220.01-225.00	76.0	\$9.251	\$0.421
225.01-230.00	77.7	\$9.458	\$0.430
230.01-235.00	79.4	\$9.665	\$0.439
235.01-240.00	81.1	\$9.872	\$0.449
240.01-245.00	82.9	\$10.091	\$0.459
245.01-250.00	84.6	\$10.298	\$0.468
250.01-255.00	86.3	\$10.505	\$0.478
255.01-260.00	88.0	\$10.712	\$0.487
260.01-265.00	89.7	\$10.919	\$0.496
265.01-270.00	91.4	\$11.126	\$0.506
270.01-275.00	93.1	\$11.333	\$0.515
275.01-280.00	94.8	\$11.540	\$0.525
280.01-285.00	96.5	\$11.747	\$0.534

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Advice Letter No: 3738-E
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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 7

RATES: (Cont'd.)

(L)

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

LAMP WATTS****	kWh per MONTH*****	A Only	Half-Hour Adjustment
285.01-290.00	98.2	\$11.954	\$0.543
290.01-295.00	99.9	\$12.161	\$0.553
295.01-300.00	101.6	\$12.368	\$0.562
300.01-305.00	103.4	\$12.587	\$0.572
305.01-310.00	105.1	\$12.794	\$0.582
310.01-315.00	106.8	\$13.001	\$0.591
315.01-320.00	108.5	\$13.208	\$0.600
320.01-325.00	110.2	\$13.415	\$0.610
325.01-330.00	111.9	\$13.622	\$0.619
330.01-335.00	113.6	\$13.829	\$0.629
335.01-340.00	115.3	\$14.035	\$0.638
340.01-345.00	117.0	\$14.242	\$0.647
345.01-350.00	118.7	\$14.449	\$0.657
350.01-355.00	120.4	\$14.656	\$0.666
355.01-360.00	122.1	\$14.863	\$0.676
360.01-365.00	123.9	\$15.082	\$0.686
365.01-370.00	125.6	\$15.289	\$0.695
370.01-375.00	127.3	\$15.496	\$0.704
375.01-380.00	129.0	\$15.703	\$0.714
380.01-385.00	130.7	\$15.910	\$0.723
385.01-390.00	132.4	\$16.117	\$0.733
390.01-395.00	134.1	\$16.324	\$0.742
395.01-400.00	135.8	\$16.531	\$0.751

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**** Wattage based on total consumption of lamp and driver. Customer may be required to provide verification of total energy consumption of lamp and driver upon request by PG&E.

***** 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)

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(L)

(Continued)



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 9

RATES: (Cont'd.)

(L)

TOTAL ENERGY RATES

Total Energy Charge Rate (\$ per kWh) \$0.12173

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	\$0.07427
Distribution	\$0.02688
Transmission*	\$0.00466
Transmission Rate Adjustments*	(\$0.00031)
Reliability Services*	\$0.00028
Public Purpose Programs	\$0.00754
Nuclear Decommissioning	\$0.00029
Competition Transition Charge	\$0.00071
Energy Cost Recovery Amount	\$0.00226
DWR Bond	\$0.00515

(L)

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

(Continued)



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 11

SPECIAL
 CONDITIONS:
 (Cont'd.)

3. **SERVICE INSTALLATION**

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PG&E will establish service delivery points within close proximity to its distribution system.

- a) **Overhead:** In an overhead area, a single drop will be installed. For an overhead to underground system, service will be established in a PG&E box at the base of the riser pole or other agreed upon location within close proximity. PG&E will connect Customer's conductors at the service delivery point.
- b) **Underground:** In 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. Customer shall install and own all facilities from the service delivery point on PG&E's system.
- c) **Customer Installation Responsibility:** Customer shall install, own and maintain all facilities beyond the service delivery point. For PG&E's serving facilities, Customer or 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 lights only) in accordance with PG&E's specifications. Riser material shall be installed by PG&E at the Customer's expense. Upon acceptance by PG&E, ownership of the conduit and substructures shall vest in PG&E. Customer shall provide rights of way as provided in electric Rule 16.
- d) **PG&E Installation Responsibility:** PG&E shall furnish and install the underground or overhead service conductor, transformers and necessary facilities to complete the service to the distribution line source, subject to the payment provisions of Special Condition 4. Only duly authorized employees of PG&E shall connect Customer's loads to, or disconnect the same from, PG&E's electrical distribution facilities.
- e) **Rearrangements:** Customer or Applicant shall pay, in advance, PG&E's estimated cost for any relocation or rearrangement of PG&E's existing street light or service facilities requested by Customer or Applicant and agreed to by PG&E.
- f) **Non-Conforming Load:** Applicant or Customer must be a governmental agency. Any load, other than the lighting loads listed in the Rate table above, is non conforming load. Non conforming load may be connected to customer circuits not to exceed 150 watts per circuit, or light for individually connected lights. Loads will conform to the requirements of Agreement form 79-1048 available on PG&E's web site, <http://www.pge.com/tariffs/EF.SHTML#EF> for electric forms. All other non conforming load connected to unmetered LS-2 facilities exceeding this limitation requires metering of the Customer's system at PG&E's service delivery point.

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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 12

SPECIAL
 CONDITIONS:
 (Cont'd.)

4. **NON REFUNDABLE PAYMENT FOR SERVICE INSTALLATION:**
- a) Customer or Applicant shall pay in advance the estimated installed cost necessary to establish a service delivery point. A one-time revenue allowance will be provided based on Customer's kWh 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 times the Distribution component of this rate divided by the cost of service factor shown in Electric Rule 15.C.
 - b) The allowance will only be provided where PG&E must install capital assets to connect load. No allowance will be provided where a simple connection is required. Only lights on a minimum 11 hour All Night (AN) schedule for permanent service shall be granted an allowance. Where Applicant received allowances based upon 11 hour AN operation, no billing adjustments, as otherwise provided for in Special Condition 7, shall be made for the first three (3) years following commencement of service.
- Line or service extensions in excess of the above shall be installed under special condition 9.
5. **TEMPORARY SERVICE:** Temporary services will be installed under electric Rule 13.
6. **ANNUAL OPERATING SCHEDULES:** The above rates for AN service assume 11 hours operation per night and apply to lamps which will be turned on and off once each night in accordance with a regular operating schedule selected by the Customer but not exceeding 4,100 hours per year.

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(Continued)



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 13

SPECIAL
 CONDITIONS:
 (Cont'd.)

7. **OPERATING SCHEDULES OTHER THAN ALL-NIGHT:** Rates for regular operating schedules other than full all-night will be the AN rate, plus or minus, respectively, the half-hour adjustment for each half-hour more or less than an average of 11 hours per night. This adjustment will apply only to lamps on regular operating schedules of not less than 1,095 hours per year, or 3 hours per night, and may be applied for 24-hour operation. Photo control devices used for more or less than AN must be approved by PG&E prior to adjustments in billing. (L)
8. **MAINTENANCE, ACCESS, CLEARANCES**
- a) Maintenance
- The C rates include all labor and material necessary for the inspection, cleaning, or replacement by PG&E of lamps and glassware. Replacement is limited to certain glassware such as is commonly used and manufactured in reasonably large quantities. A commensurate extra charge will be made for maintenance of glassware of a type entailing unusual expense. The Class C rate also includes all labor and material necessary for replacement by PG&E of photoelectric controls. Class C rates are closed to new installations and to additional lamps in existing accounts as of March 1, 2006.
- b) Under the grand fathered Class C rates, the following shall apply:
- 1) At Customer's request, where PG&E's resources permit, PG&E will paint poles for Customer on a time and material basis. This service will only be offered for poles that have been designed to be painted.
 - 2) PG&E will isolate any trouble in the Customer's system which has resulted in an outage or diminished light output.
 - 3) PG&E will make necessary repairs which do not require wiring replacement on accessible wiring between poles and on equipment and wiring in and on poles to keep the system in operating condition.
 - 4) PG&E will provide labor for the replacement of material such as ballasts, relays, fixtures, individual cable runs between poles where such runs are in conduit, and other individual parts of the system that are not capital items.
 - 5) Customer shall compensate PG&E for any material furnished by PG&E not included in 8.A. above. Customer must have been on Class C for this service.
 - 6) PG&E shall not be responsible for excavation or any major replacement of circuits, conduits, poles, or fixtures owned by the Customer.
 - 7) Tree trimming is the responsibility of the Customer for installation of new lights or for maintaining lighting patterns of existing lights.
- (L)

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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 14

SPECIAL
 CONDITIONS:
 (Cont'd.)

8. **MAINTENANCE, ACCESS, CLEARANCES** (Cont'd.):

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c) 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 3.e.

d) Clearances

Customer applicant shall, at its expense, correct all access or clearance infractions, or pay PG&E its 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.

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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 15

SPECIAL
 CONDITIONS:
 (Cont'd.)

9. 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.

- 10. STREET LIGHT LAMPS – STANDARD AND NONSTANDARD RATINGS:** The rates under Class C are applicable to both standard and group replacement street lamps. Standard and group replacement street lamps have reference only to street lamps having wattage and operating life ratings within three percent of those specified in the EEI-NEMA Standards for Filament Lamps Used in Street Lighting. Where Class A service is supplied to lamps of other ratings than those specified in EEI-NEMA Standards an adjustment will be made in the lamp rates proportionate to the difference between the wattage of the lamps and the standard lamps of the same lumen rating.

- 11. ENERGY EFFICIENT STREET LIGHTS:** Where Customer permanently installs energy efficient street lights and total energy use cannot be verified through industry standard test results and customer requests that the energy efficient street lights be added to this tariff, customer may be required to provide specific performance data on the total energy consumption of the fixture (which includes controls, lamp and ballast or driver) as requested by PG&E.

- 12. 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.

- 13. POLE CONTACT AGREEMENT:** Where Customer requests to have a portion or all Customer owned street lighting facilities in contact with PG&E's distribution poles, a Customer-Owned Streetlights PG&E Pole Contact Agreement (Form 79 938) will be required.

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(Continued)



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 16

SPECIAL
 CONDITIONS:
 (Cont'd.)

14. **BILLING:** This Rate Schedule is subject to PG&E's other rules governing billing issues, as may be applicable. PG&E performs regular auditing as part of this rate schedule.

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Limited testing of Energy Efficient Street Light Technology will be allowed under this Rate Schedule where a light of the type and wattage of the fixture and lamp to be tested are not presently included in the rate tables. Such test installations are subject to approval by PG&E. Following approval, test installations will be billed at the customer's currently billed rate. Customer will provide a monthly inventory of streetlights that will be tested. The format and content of the inventory must be approved by PG&E. The Company reserves the right to audit customer. PG&E also reserves the right to collect the cost of any such audit from the customer. Testing is limited to existing street light fixtures and the total energy consumption per fixture must not exceed current energy use per fixture. Additional energy efficient street light fixtures installed will also be subject to billing under the current rate upon the approval of PG&E. The test period will not exceed 12 months.

Bundled Service Customers receive supply and delivery service solely from PG&E. The Customer's bill is based on the Total Rate 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 are set forth in Schedules DA CRS and CCA CRS.

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	<u>DA / CCA CRS</u>
Energy Cost Recovery Amount Charge (per kWh)	\$0.00226
DWR Bond Charge (per kWh)	\$0.00515
CTC Charge (per kWh)	\$0.00071
Power Charge Indifference Adjustment (per kWh)	
Pre-2009 Vintage	(\$0.00067)
2009 Vintage	\$0.00205
2010 Vintage	\$0.00205

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15. **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.

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

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