

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 6176E
As of May 24, 2021

Subject: Revisions to Electric Schedules LS-1 PG&E-Owned Street and Highway Lighting and OL-1 Outdoor Area Lighting Service

Division Assigned: Energy

Date Filed: 04-28-2021

Date to Calendar: 04-30-2021

Authorizing Documents: None

Disposition:	Accepted
Effective Date:	05-28-2021

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Kimberly Loo

415-973-4587

PGETariffs@pge.com

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)
- Effective Date of Filing
- Other Miscellaneous Information (e.g., Resolution, if applicable, etc.)

The Energy Division has made no changes to your copy of the Advice Letter Filing; please review your Advice Letter Filing with the information contained in the AL status certificate, and update your Advice Letter and tariff records accordingly.

All inquiries to the California Public Utilities Commission on the status of your Advice Letter Filing will be answered by Energy Division staff based on the information contained in the Energy Division's PAL database from which the AL status certificate is generated. If you have any questions on this matter please contact the:

Energy Division's Tariff Unit by e-mail to
edtariffunit@cpuc.ca.gov



Sidney Dietz
Director
Regulatory Relations

Pacific Gas and Electric Company
77 Beale St., Mail Code B13U
P.O. Box 770000
San Francisco, CA 94177

Fax: 415-973-3582

April 28, 2021

Advice 6176-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Revisions to Electric Schedules LS-1 PG&E-Owned Street and Highway Lighting and OL-1 Outdoor Area Lighting Service

Pacific Gas and Electric Company (PG&E) hereby submits revisions to its electric tariffs. The affected tariff sheets are listed in the Tariff Revisions section of this Letter.

Purpose

PG&E requests California Public Utilities Commission (“CPUC” or “Commission”) approval to modify Electric Schedules LS-1 *PG&E-Owned Street and Highway Lighting* and OL-1 *Outdoor Area Lighting Service* to remove services that are no longer applicable, add clarifying language, correct typographical errors, and update the language in the tariff consistent with current practices and lighting technologies that continue to support transitions to LED streetlighting fixtures.

Background

Electric Schedule LS-1 is applicable to unmetered services for lighting installations which illuminate publicly owned and operated streets, highways, and other outdoor ways and places which generally utilize PG&E’s distribution facilities. Electric Schedule OL-1 is applicable to outdoor area lighting service for the illumination of areas where street and highway lighting schedules are not applicable and where PG&E installs, owns, operates, and maintains the complete lighting installation on PG&E’s existing wood distribution poles or on customer-owned poles.

Advice 3831-E (April 18, 2011) added energy-efficient Light-Emitting Diode (“LED”) streetlight technologies to Schedule LS-1 to respond to customer requests and to better accommodate the growing technology.

Advice 5652-E (October 3, 2019) revised Schedule LS-1 to update the tariff consistent with current practices and lighting technologies and to clean up various formatting and typographical errors.

Advice 5296-E (May 17, 2018) and Advice 5412-E (November 29, 2018) represent the last major revisions made to Electric Schedule OL-1. Advice 5296-E approved adding energy-efficient LED streetlight technologies to the schedule and Advice 5412-E approved the modified Electric Schedule OL-1 that incorporated the LED streetlight option to accommodate the growing technology.

Since their introduction, LED streetlighting has achieved full market adoption and has become the industry standard resulting in older less-efficient technologies becoming obsolete. Revisions requested in this advice letter, in part, further support the adoption of LED streetlight technology both as the PG&E standard and the industry standard for both new and restoration projects, and the phasing out of older technologies. On April 20, 2021, PG&E submitted Advice 6169-E to make similar changes to Electric Schedule LS-2 - *Customer-Owned Street and Highway Lighting*.

Tariff Revisions

In this advice letter PG&E is proposing to modify Electric Schedules LS-1 and OL-1 as follows:

LS-1

- Clarify in the Applicability section that this rate schedule is for the purposes of illuminating publicly-owned and operated streets, highways, and other outdoor ways and places. Gated communities that are not generally accessible to the public are not eligible for this rate but could elect metered LS-3 Customer Owned Street and Highway Lighting or OL-1 if they want PG&E to own and operate the streetlighting fixtures only.
- Older high-pressure sodium vapor (HPSV) technology lamps and fixtures are closed to new installations.
- Clarify Special Condition 4. Description of Service Class A is applicable for wood distribution poles and for illuminating public ways only.
- Broaden Special Condition 5. Rearrangement of Facilities to include Relocation, Rearrangement or Modification of Facilities and clarify that Rearrangement includes streetlight fixture changes.
- Add language to Special Condition 11d. Attachments that removal of unauthorized attachments is at the cost of the responsible party.
- Globally replaced the terms “luminaire” with “fixture” and “support arms” or “mast arms” with “brackets.”

OL-1

- HPSV technology lamps and fixtures are closed to new installations.
- Globally replaced the terms “luminaire” with “fixture” and “support arms” or “mast arms” with “brackets.”

This submittal would not increase any current rate or charge, cause the withdrawal of service, or conflict with any rate schedule or rule.

The affected tariff sheets are listed on the enclosed Attachment 1. In addition, where tariffs have been revised, the redlines of the current tariffs are provided as Attachment 2.

Protests

*****Due to the COVID-19 pandemic and the shelter at home orders, PG&E is currently unable to receive protests or comments to this advice letter via U.S. mail or fax. Please submit protests or comments to this advice letter to EDTariffUnit@cpuc.ca.gov and PGETariffs@pge.com*****

Anyone wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than May 18, 2021, which is 20 days after the date of this submittal. 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:

Sidney Dietz
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-3582
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

Pursuant to General Order (GO) 96-B, Rule 5.2.(2), this advice letter is submitted with a Tier 2 designation. PG&E requests that this Tier 2 advice submittal become effective on regular notice, May 28, 2021 which is 30 calendar days after the date of submittal.

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 submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

/S/

Sidney Dietz
Director, Regulatory Relations

Attachments:

Attachment 1: Tariff
Attachment 2: Redline Tariff Revisions



ADVICE LETTER SUMMARY

ENERGY UTILITY



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

Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39E)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Kimberly Loo

Phone #: (415)973-4587

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: KELM@pge.com

EXPLANATION OF UTILITY TYPE

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

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 6176-E

Tier Designation: 2

Subject of AL: Revisions to Electric Schedules LS-1 PG&E-Owned Street and Highway Lighting and OL-1 Outdoor Area Lighting Service

Keywords (choose from CPUC listing): Street Lights

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted 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:

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date: 5/28/21

No. of tariff sheets: 18

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: See Attachment 1

Service affected and changes proposed¹: N/A

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

¹Discuss in AL if more space is needed.

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

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name: Sidney Dietz, c/o Megan Lawson
Title: Director, Regulatory Relations
Utility Name: Pacific Gas and Electric Company
Address: 77 Beale Street, Mail Code B13U
City: San Francisco, CA 94177
State: California Zip: 94177
Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx: (415)973-3582
Email: PGETariffs@pge.com

Name:
Title:
Utility Name:
Address:
City:
State: District of Columbia Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
49684-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 1	45482-E
49685-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 2	49138-E
49686-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 3	45484-E
49687-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 10	45485-E
49688-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 11	45486-E
49689-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 12	45487-E
49690-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 13	45488-E
49691-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 15	30283-E
49692-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 16	45489-E
49693-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 17	45490-E
49694-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 18	45491-E
49695-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 19	45492-E
49696-E	ELECTRIC SCHEDULE LS-1 PG&E-OWNED STREET AND HIGHWAY LIGHTING Sheet 20	45493-E
49697-E	ELECTRIC SCHEDULE OL-1 OUTDOOR AREA LIGHTING SERVICE Sheet 1	49156-E

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
49698-E	ELECTRIC SCHEDULE OL-1 OUTDOOR AREA LIGHTING SERVICE Sheet 8	43267-E
49699-E	ELECTRIC SCHEDULE OL-1 OUTDOOR AREA LIGHTING SERVICE Sheet 9	43268-E
49700-E	ELECTRIC TABLE OF CONTENTS Sheet 1	49262-E
49701-E	ELECTRIC TABLE OF CONTENTS Sheet 5	49181-E



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

Sheet 1

APPLICABILITY: This schedule is applicable to unmetered PG&E-owned and maintained lighting installations which illuminate publicly owned and operated streets, highways, and other outdoor ways and places and which generally utilize PG&E's distribution facilities under the provisions contained below. Rates of Class A through Class F service will be applicable as determined in Special Condition 4. (T)
(T)

TERRITORY: The entire territory served.

RATES: The total monthly charge per lamp is equal to the sum of the facility charge and the energy charge. The monthly charge per lamp used for billing is calculated using unrounded facility and energy charges.

Monthly facility charges include the costs of owning, operating and maintaining the various facilities for each Schedule LS-1 Class. Monthly energy charges are based on the kWh usage of each lamp.

Monthly energy charges per lamp are calculated using the following formula: (Lamp wattage + ballast wattage) x 4,100 hours/12 months/1000 x streetlight energy rate per kilowatt hour (kWh). Ballast wattage = ballast factor x lamp wattage.

Total bundled monthly facility and energy charges are shown below.

The various ballast wattages used in the monthly energy charge calculations can be found in the Ballast Factor table following the monthly energy charges. Ballast factors are averaged within each grouping (range of wattages). The same ballast factor is applied to all of the lamps that fall within its watt range. Applicant or Customer must provide third party documentation where manufacturer's information is not available for rated wattage consumption before PG&E will accept lamps for this schedule.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with Condition 17, Billing, below.

(Continued)

Advice 6176-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted Effective Resolution
April 28, 2021



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

Sheet 2

RATES: (Cont'd.)

Facilities Charge Per Lamp Per Month

CLASS	A	B	C**	D	E	F
	\$6.849	\$7.126	\$6.680	\$9.331	\$9.664	\$7.828
LED Program Incremental Facility Charge	\$0.000		\$0.000	\$12.768	\$0.000	\$0.000

Energy Charge Per Lamp Per Month
All Night Rates

LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS	All Night Rate	Half-Hour Adjustment
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INCANDESCENTLAMPS*:

58	20	600	\$3.751	\$0.171
92	31	1,000	\$5.814	\$0.264
189	65	2,500	\$12.190	\$0.554
295	101	4,000	\$18.942	\$0.861
405	139	6,000	\$26.068	\$1.185

MERCURYVAPORLAMPS*:

100	40	3,500	\$7.502	\$0.341
175	68	7,500	\$12.753	\$0.580
250	97	11,000	\$18.191	\$0.827
400	152	21,000	\$28.506	\$1.296
700	266	37,000	\$49.886	\$2.268

HIGHPRESSURESODIUMVAPORLAMPS***:

120 Volts				
70	29	5,800	\$5.439	\$0.247
100	41	9,500	\$7.689	\$0.350
150	60	16,000	\$11.252	\$0.511
200	80	22,000	\$15.003	\$0.682
250	100	26,000	\$18.754	\$0.852
400	154	46,000	\$28.881	\$1.313

240 Volts				
70	34	5,800	\$6.376	\$0.290
100	47	9,500	\$8.814	\$0.401
150	69	16,000	\$12.940	\$0.588
200	81	22,000	\$15.191	\$0.691
250	100	25,500	\$18.754	\$0.852
400	154	46,000	\$28.881	\$1.313

* Closed to new installations per Advice 669-E, effective June 8, 1978.

** Closed to new mixed ownership installations. See Special Condition 4.

*** Closed to new installations for all Classes per Advice 6176-E, effective May 28, 2021.

(C)

(Continued)

Advice 6176-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 28, 2021



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

Sheet 3

RATES: (Cont'd.)

Ballast Factors by Lamp Type and Watt Range

<u>Watt Range</u>	<u>Ballast Factor</u>	<u>Watt Range</u>	<u>Ballast Factor</u>
<u>MERCURY VAPOR*</u>		<u>HIGH PRESSURE SODIUM VAPOR**</u>	
1 to 75	31.00%	<u>120 Volts</u>	
76 to 125	17.07%	1 to 40	25.44%
126 to 325	13.69%	41 to 60	22.93%
326 to 800	11.22%	61 to 85	21.25%
801 +	10.34%	86 to 125	20.00%
		126 +	17.07%
		<u>240 Volts</u>	
		1 to 60	40.49%
		61 to 85	42.16%
		86 to 125	37.56%
		126 to 175	34.63%
		176 to 225	18.54%
		226 to 280	17.07%
		281 to 380	12.35%
		381 +	12.68%
<u>METAL HALIDE**</u>	(T)		
1 to 85	25.44%		
86 to 200	20.39%		
201 to 375	22.93%		
376 to 700	18.54%		
701 +	13.27%		

* Closed to new installations per Advice 669-E effective June 8, 1978

** Closed to new installations for all Classes per Advice 6176-E, effective May 28, 2021.

(C)

(Continued)

Advice 6176-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 28, 2021



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

Sheet 10

MORE THAN ONE LIGHT ON A POLE:

Where more than one light with a single Customer of Record is installed on a pole, all lights other than the first will be billed on the Class C rate. Not applicable to installations made prior to September 11, 1978.

SPECIAL CONDITIONS:

1. **TYPE OF SERVICE:** (a) PG&E provides basic lighting services with limited standard facilities, pole types and configurations. Only equipment in PG&E's current standards are eligible for installation under LS-1, except as addressed in Special Condition 12. Current standards are available through PG&E's Service Planning application process; (b) Applicant or Customer is responsible for wattage and color temperature selection, lighting pattern layout and coverage for safety considerations; and (c) PG&E reserves the right to supply either "multiple" or "series" service. Series service to new lights will only be made where it is practical from PG&E's engineering standpoint to supply them from existing series systems.

(T)
(T)

2. **ANNUAL OPERATING SCHEDULE:** The above rates for All-Night (AN) service assume an average of approximately 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 agreeable to the Customer but not exceeding 4,100 hours per year. This is also predicated on an electronic type photo control meeting ANSI standard C.136.10, with a turn on value of 1.0 footcandles and turn off value of 1.5 foot candles. Electro mechanical or thermal type photo controls are not acceptable for this rate schedule.

3. **OPERATING SCHEDULES OTHER THAN ALL-NIGHT:** Rates for regular operating schedules other than full AN will be the AN rate plus or minus, respectively, the half-hour adjustment for each half-hour more or less than an average of approximately 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 three hours per night, and may be applied for 24-hour operation.

(Continued)



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

Sheet 11

SPECIAL
CONDITIONS:

(Cont'd)

4. DESCRIPTION OF SERVICE PROVIDED:

The following describes lighting facilities only. Service connection and lighting installation responsibilities and payments, are described in special conditions 7, 8 and 9.

PG&E provides several Classes (A, B, C, D, E and F) of LS-1 facilities. The Classes enable fair distribution of facility charges in correlation with PG&E's cost to maintain each Class. Once installed, PG&E maintains full ownership and maintenance responsibility for all Classes of LS-1.

Only equipment included in PG&E's current standards are eligible for installation under LS-1, except as addressed in Special Condition 12. Current standards are available through PG&E's Service Planning application process.

Class A: Applicable to standard non-decorative fixtures (the entire lighting unit that includes the lamp, if applicable) installed on a PG&E wood distribution pole for illumination of public ways. PG&E provides its standard fixture, control facility, and standard 30" bracket on its existing wood distribution pole. There is no installation charge for this Class for standard (non-decorative) LED fixtures. (T)

Class B: Closed to new installations per Advice 688-E, effective September 11, 1978. This Class is for streetlight installations for which the Customer has paid the estimated installed cost of the fixture, standard 30" bracket and control facilities. (T)

(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.)

Class C: Closed to new mixed ownership installations as of March 1, 2006 per Advice 2791-E in compliance with Decision 05-11-005. New Class C installations are applicable to an individual Customer's second or additional fixture(s) on a PG&E owned pole. The Class considers that facility charges for the pole are paid through the primary fixture which is under Class A, D, E or F. PG&E provides its standard fixture, control facility and a standard 30" bracket if applicable. Customer is responsible for all further costs, see Special Condition 9. (T)

For LS-1C fixtures placed in operation prior to March 1, 2006, the customer owns and is responsible to maintain the pole, it's foundation and any brackets. PG&E owns and maintains all other components (T)

Class D: Applicable to decorative streetlight fixtures. PG&E provides its standard post top or pendant style fixture and control facility. Customer is responsible for all further costs, see Special Condition 9. (T)

Class E: Applicable to streetlight only poles on a concrete foundation, installed solely for the fixture. PG&E provides a standard fixture, control facility, a standard 30" bracket if applicable and service connection. Customer is responsible for all further costs, see Special Condition 9. (T)

Class F: Applicable to embedded streetlight only poles, installed solely for the fixture. PG&E provides a standard fixture, control facility, a standard 30" bracket if applicable. and service connection. Customer is responsible for all further costs, see Special Condition 9. (T)

(Continued)



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

Sheet 13

SPECIAL
CONDITIONS:
(Cont'd.)

- 5. **RELOCATION, REARRANGEMENT OR MODIFICATION OF FACILITIES:** For any relocation, rearrangement, or modification 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, rearrangement, or modification. This shall include, but is not limited to, fixture changes. (T)
| (T)

(T)
| (T)
- 6. **SERVICE REQUESTS:** Service requests shall be made through PG&E's Service Planning organization and shall include form 79-1007 (*Request to Install or Energize Streetlight Schedules LS-1, LS-2, OL-1*) or 79-1008 (*Request to De-Energize or Remove Streetlights LS-1, LS-2, OL-1*) for installations, removals, relocations, rearrangements, modifications, energizing and de-energizing of streetlight facilities. (T)
| (T)
- 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:

(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**

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 fixtures 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.

(T)

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.

(Continued)



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

Sheet 16

SPECIAL
CONDITIONS:
(Cont'd.)

9. PAYMENT FOR INSTALLATION OF LIGHTING FACILITIES:

See Special Condition 4 for a description of what material PG&E provides for each LS-1 Class (A, B, C, D, E and F). The Customer is responsible for the cost of all additional materials required to complete the installation. Only equipment included in PG&E's current standards are eligible for installation under LS-1, except as addressed in Special Condition 12. Current standards are available through PG&E's Service Planning application process.

Class A: Unless rearrangement of facilities is required to enable installation, or Customer selects non-standard materials, there is no installation charge for this class for standard fixtures. (T)
(T)

Class B: This Class is closed for new installations.

Class C: Effective March 1, 2006, this Class is restricted to new fixtures installed on PG&E owned distribution or streetlight only poles on which the Customer has an existing streetlight installed under another LS-1 Class (A, D, E or F). 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.

(Continued)



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

Sheet 17

SPECIAL
CONDITIONS:
(Cont'd.)

9. **PAYMENT FOR INSTALLATION OF LIGHTING FACILITIES** (Cont'd.):

Class D: Restricted to Decorative Fixtures - 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.

For new Class D installations where the Customer requests an LED fixture, the Customer may choose to pay to PG&E in advance, a non-refundable amount equal to PG&E's estimated cost difference between the selected LED fixture and PG&E's most similar HPSV fixture as determined by PG&E. Customers not wishing to pay the estimated cost difference between LED and HPSV for new lighting installations under LS-1D may elect to include new lights under PG&E's optional LED streetlight replacement program by choosing to pay the Incremental Facility Charge for LS-1D as shown on Sheet 2 of this schedule.

(T)

LS-1D Customers with existing HPSV fixtures who prefer to not pay the up-front cost for replacement LED fixtures may also elect to participate in PG&E's optional LED streetlight replacement program by choosing to pay the LS-1D Incremental Facility Charge as shown on Sheet 2.

Customers electing to participate in PG&E's optional LED streetlight replacement program will be eligible for any applicable rebate or incentive available through ratepayer-funded programs intended to increase energy efficiency.

Classes E and F: 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.

(Continued)



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

Sheet 18

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.

11. MAINTENANCE, ACCESS, CLEARANCES and ATTACHMENTS

- a) Maintenance: PG&E shall exercise reasonable care and diligence in maintaining PG&E-owned facilities. For PG&E's operational efficiency, maintenance and restoration activities may be completed with like for like lighting technology or, at PG&E's discretion may include updating to PG&E's current lighting technology at no incremental cost to the Customer .
- b) Access: The Customer is responsible for maintaining 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: The Customer will, at their own 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 managing vegetation to maintain lighting patterns, required clearances and access for maintenance of existing poles and fixtures. (T)
- d) Attachments: Any attachments to streetlight poles requested by governmental agencies requires prior approval by PG&E and execution of a license agreement. Unauthorized attachments are subject to removal at the cost of the responsible party. (T)
(T)

(Continued)



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

Sheet 19

SPECIAL
CONDITIONS:
(Cont'd.)

12. **SPECIAL EQUIPMENT:** Fixtures, poles, posts and other equipment requested by an Applicant or Customer in addition to or in substitution for PG&E's standard fixtures, brackets, 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 other special hardware required or requested by the Applicant or Customer or any governmental agency having jurisdiction. (T)
(T)
(T)

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.

(Continued)



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

Sheet 20

SPECIAL
CONDITIONS:
(Cont'd.)

- 14. **TEMPORARY DISCONTINUANCE OF SERVICE:** (Fixture remains in place.) At the request of the Customer, PG&E will temporarily discontinue service to the individual fixtures provided the Customer continues to pay the applicable facility charges and any applicable taxes for the Class of Service as identified in the Rates section of this Schedule, plus the estimated cost to disconnect and reconnect the light. Upon Customer request for re-energization, PG&E may update the fixtures to current standards (T)
- 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. (T)
- 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, New System Generation Charges, 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.

(Continued)



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

Sheet 1

APPLICABILITY: Applicable to outdoor area lighting service for the illumination of areas where street and highway lighting schedules are not applicable and where PG&E installs, owns, operates and maintains the complete lighting installation on PG&E's existing wood distribution poles or on customer-owned poles acceptable to PG&E installed by the Customer on Customer's private property.

TERRITORY: The entire territory served.

RATES: Total monthly charge per lamp is equal to the sum of the facility charge and the energy charge. The monthly charge per lamp used for billing is calculated using unrounded facility and energy charges.

Monthly facility charges include the costs of owning, operating and maintaining the various lamp types and size, and is assigned to distribution. Monthly energy charges are based on the kWh usage of each lamp. The bundled monthly facility and energy charges are shown below. For 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 LED Program Incremental Facility Charge in addition to the OL-1 monthly facility charge.

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

Facilities Charge Per Lamp Per Month: \$7.126

LED Program Incremental Facility Charge: \$2.814

Energy Charge Per Lamp Per Month:

LAMP WATTS	All Night kWh PER MONTH	AVERAGE INITIAL LUMENS		All Night PER LAMP PER MONTH	HALF HOUR ADJUSTMENT
MERCURY VAPOR LAMPS:*					
175	68	7,500	.....	\$13.457	\$0.612
400	152	21,000	.....	\$30.081	\$1.367
HIGH PRESSURE SODIUM VAPOR LAMPS**:					
70	29	5,800	.....	\$5.739	\$0.261
100	41	9,500	.....	\$8.114	\$0.369
200	81	22,000	.....	\$16.030	\$0.729
250	100	25,500	.....	\$19.790	\$0.900
400	154	46,000	.....	\$30.477	\$1.385

* Closed for new installations as of June 8, 1978.

** Closed to new installation as of the effective date of Advice 6176-E , May 28, 2021.

(T)

(N)

(Continued)



ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE

Sheet 8

SPECIAL
CONDITIONS:
(Cont'd.)

- 3. **LIGHTING FACILITIES:** PG&E will provide and maintain, at its expense, a standard non-decorative fixture, automatic control and a standard 30-inch bracket, or other standard mounting device. A longer bracket will be installed upon request provided the Applicant pays to PG&E a nonrefundable amount equal to the estimated additional installed cost over that of a standard support arm. Outdoor area lighting facilities will only be installed where PG&E has, or intends to install, a wood distribution pole for the purpose of supporting other distribution facilities, or where a Customer-owned pole, acceptable to PG&E has been installed by the Customer on Customer's private property. PG&E shall not be required to install fixtures at locations where, in its judgment, the service may be objectionable to others. (T)
- 4. **SERVICE CONNECTION:**
 - a) A service connection will be made from PG&E's existing electric lines, either overhead or underground, at a point mutually agreed upon, without extension thereof except as provided in Special Condition 5.
 - b) Where an overhead secondary circuit is readily available, PG&E will make a complete overhead service installation at its expense to the Customer's first light. If a secondary circuit is not available, or where additional facilities are required to complete the installation, such will be provided as specified in Special Condition 5.
 - c) Where underground service is supplied, the Applicant shall install and own the pole, including any internal pole and bracket wiring and circuit wire beyond the first light. Where underground service is supplied from an overhead distribution system, the Applicant shall furnish and install conductors and any necessary conduit between the base of PG&E's distribution pole where service is readily available (installation of a PG&E box may be required if none exists), and the top of the Customer-owned pole, except that street crossings or other work in the street area shall be installed by PG&E at the Applicant's expense in accordance with Special Condition 5. Where necessary, as determined by PG&E, Customer shall own and maintain a box or pedestal for PG&E's service delivery point for termination of service, or if there are excessive bends in what would otherwise be PG&E's service run on Customer's property. The applicant shall pay to PG&E the material cost of the pole riser, including conduit, molding and other materials, but excluding the cost of the riser conductors, and PG&E will complete the riser installation at its expense. (T)
 - d) Temporary facilities will be installed under the provisions of electric rule 13.
- 5. **ADDITIONAL FACILITIES or LINE EXTENSIONS:** Secondary circuits, transformers and associated equipment required in addition to the Facilities furnished under Special Conditions 3 and 4, or extensions of PG&E's electric lines to serve OL-1 lighting systems, shall be installed under an Agreement for Installation or Allocation of Special Facilities, form 79-255. Should PG&E utilize the line to serve other metered load, an equitable adjustment will be made as provided in the Agreement.

(Continued)



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

Sheet 9

SPECIAL
CONDITIONS:
(Cont'd.)

6. RELOCATION OR REMOVAL OF FACILITIES:

- a) When PG&E's distribution facilities from which service is supplied hereunder, and/or the lighting facilities installed hereunder, are to be relocated or removed at the Customer's request or to comply with governmental requirements, or PG&E's access requirements, PG&E shall have the right, upon written notice, to discontinue the service being furnished under this schedule without obligation or liability. Where applicable, comparable service may be reestablished in accordance with the Special Conditions of this schedule.
- b) When the lighting facilities installed hereunder are relocated at the Customer's request, or when PG&E must relocate or modify the facilities to comply with governmental requirements or because of an irreconcilable objection to the facilities by others, or due to obstructions to access or maintenance, Customer shall pay PG&E, in advance, PG&E's estimated cost of such relocation or modification.

7. ACCESS and CLEARANCES

(T)

- a) Customer shall 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 describe in b below.

Customer shall, 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 new or existing lights.

- 8. **MAINTENANCE:** Except in the case of emergency, maintenance of fixtures and equipment will be performed only during normal working hours within a reasonable period following notification by the Customer of the need for such maintenance. All tree trimming or other obstructions to lighting patterns are the responsibility of the Customer to remedy.

(T)

- 9. **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.

- 10. **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.

(Continued)



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Sheet 1

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Advice 6176-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 28, 2021



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Sheet 5

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(Continued)

Advice 6176-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 28, 2021

Advice 6176-E
April 28, 2021

Attachment 2

Redline Tariff Revisions



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

Sheet 1

APPLICABILITY: This schedule is applicable to unmetered PG&E-owned and maintained lighting installations which illuminate publicly owned and operated streets, highways, and other outdoor ways and places and which generally utilize PG&E's distribution facilities under the provisions contained below. Rates of Class A through Class F service will be applicable as determined in Special Condition 4.

(T)
(T)

TERRITORY: The entire territory served.

RATES: The total monthly charge per lamp is equal to the sum of the facility charge and the energy charge. The monthly charge per lamp used for billing is calculated using unrounded facility and energy charges.

Monthly facility charges include the costs of owning, operating and maintaining the various facilities for each Schedule LS-1 Class. Monthly energy charges are based on the kWh usage of each lamp.

Monthly energy charges per lamp are calculated using the following formula: (Lamp wattage + ballast wattage) x 4,100 hours/12 months/1000 x streetlight energy rate per kilowatt hour (kWh). Ballast wattage = ballast factor x lamp wattage.

Total bundled monthly facility and energy charges are shown below.

The various ballast wattages used in the monthly energy charge calculations can be found in the Ballast Factor table following the monthly energy charges. Ballast factors are averaged within each grouping (range of wattages). The same ballast factor is applied to all of the lamps that fall within its watt range. Applicant or Customer must provide third party documentation where manufacturer's information is not available for rated wattage consumption before PG&E will accept lamps for this schedule.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with Condition 17, Billing, below.

(Continued)



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

Sheet 2

RATES: (Cont'd.)

Facilities Charge Per Lamp Per Month

CLASS	A	B	C**	D	E	F
	\$6.849	\$7.126	\$6.680	\$9.331	\$9.664	\$7.828
LED Program Incremental Facility Charge	\$0.000		\$0.000	\$12.768	\$0.000	\$0.000

Energy Charge Per Lamp Per Month
All Night Rates

LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS	All Night Rate	Half-Hour Adjustment
INCANDESCENTLAMPS*:				
58	20	600	\$3.674 (R)	\$0.167 (R)
92	31	1,000	\$5.695 (R)	\$0.259 (R)
189	65	2,500	\$11.941 (R)	\$0.543 (R)
295	101	4,000	\$18.555 (R)	\$0.843 (R)
405	139	6,000	\$25.536 (R)	\$1.161 (R)
MERCURYVAPORLAMPS*:				
100	40	3,500	\$7.348 (R)	\$0.334 (R)
175	68	7,500	\$12.492 (R)	\$0.568 (R)
250	97	11,000	\$17.820 (R)	\$0.810 (R)
400	152	21,000	\$27.924 (R)	\$1.269 (R)
700	266	37,000	\$48.867 (R)	\$2.221 (R)
HIGHPRESSURESODIUMVAPORLAMPS***:				
120 Volts				
70	29	5,800	\$5.328 (R)	\$0.242 (R)
100	41	9,500	\$7.532 (R)	\$0.342 (R)
150	60	16,000	\$11.023 (R)	\$0.501 (R)
200	80	22,000	\$14.697 (R)	\$0.668 (R)
250	100	26,000	\$18.371 (R)	\$0.835 (R)
400	154	46,000	\$28.291 (R)	\$1.286 (R)
240 Volts				
70	34	5,800	\$6.246 (R)	\$0.284 (R)
100	47	9,500	\$8.634 (R)	\$0.392 (R)
150	69	16,000	\$12.676 (R)	\$0.576 (R)
200	81	22,000	\$14.881 (R)	\$0.676 (R)
250	100	25,500	\$18.371 (R)	\$0.835 (R)
400	154	46,000	\$28.291 (R)	\$1.286 (R)

* Closed to new installations per Advice 669-E, effective June 8, 1978.

** Closed to new mixed ownership installations. See Special Condition 4.

*** Closed to new installations for all Classes **except D** per Advice **56526176-E, effective May 28, 2021.**

(C)

(Continued)



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

Sheet 3

RATES: (Cont'd.)

Ballast Factors by Lamp Type and Watt Range

<u>Watt Range</u>		<u>Ballast Factor</u>		<u>Watt Range</u>		<u>Ballast Factor</u>	
<u>MERCURY VAPOR*</u>				<u>HIGH PRESSURE SODIUM VAPOR**</u>			
1	to	75	31.00%	<u>120 Volts</u>			
76	to	125	17.07%	1	to	40	25.44%
126	to	325	13.69%	41	to	60	22.93%
326	to	800	11.22%	61	to	85	21.25%
801	+		10.34%	86	to	125	20.00%
				126	+		17.07%
				<u>240 Volts</u>			
				1	to	60	40.49%
				61	to	85	42.16%
				86	to	125	37.56%
				126	to	175	34.63%
				176	to	225	18.54%
				226	to	280	17.07%
				281	to	380	12.35%
				381	+		12.68%
<u>METAL HALIDE **</u>							
1	to	85	25.44%				
86	to	200	20.39%				
201	to	375	22.93%				
376	to	700	18.54%				
701	+		13.27%				

(T)

* Closed to new installations per Advice 669-E effective June 8, 1978

** Closed to new installations, ~~except for Class D~~ For all classes per Advice ~~61765652-E~~, effective May 28, 2021. (C)

(Continued)



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

Sheet 10

MORE THAN ONE LIGHT ON A POLE:

Where more than one light with a single Customer of Record is installed on a pole, all lights other than the first will be billed on the Class C rate. Not applicable to installations made prior to September 11, 1978.

SPECIAL CONDITIONS:

1. **TYPE OF SERVICE:** (a) PG&E provides basic lighting services with limited standard facilities, pole types and configurations. Only equipment in PG&E's current standards are eligible for installation under LS-1, except as addressed in Special Condition 12. Current standards are available through PG&E's Service Planning application process; (b) Applicant or Customer is responsible for wattage and color temperature selection, lighting pattern layout and coverage for safety considerations; and (c) PG&E reserves the right to supply either "multiple" or "series" service. Series service to new lights will only be made where it is practical from PG&E's engineering standpoint to supply them from existing series systems.
2. **ANNUAL OPERATING SCHEDULE:** The above rates for All-Night (AN) service assume an average of approximately 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 agreeable to the Customer but not exceeding 4,100 hours per year. This is also predicated on an electronic type photo control meeting ANSI standard C.136.10, with a turn on value of 1.0 footcandles and turn off value of 1.5 foot candles. Electro mechanical or thermal type photo controls are not acceptable for this rate schedule.
3. **OPERATING SCHEDULES OTHER THAN ALL-NIGHT:** Rates for regular operating schedules other than full AN will be the AN rate plus or minus, respectively, the half-hour adjustment for each half-hour more or less than an average of approximately 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 three hours per night, and may be applied for 24-hour operation.

(T)
(T)

(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.)

Class C: Closed to new mixed ownership installations as of March 1, 2006 per Advice 2791-E in compliance with Decision 05-11-005. New Class C installations are applicable to an individual Customer's second or additional ~~luminaire(s) fixture(s)~~ on a PG&E owned pole. The Class considers that facility charges for the pole are paid through the primary ~~luminaire fixture~~ which is under Class A, D, E or F. PG&E provides its standard ~~luminaire fixture~~, control facility and a standard 30" bracket if applicable. Customer is responsible for all further costs, see Special Condition 9.

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(T)

For LS-1C fixtures placed in operation prior to March 1, 2006, the customer owns and is responsible to maintain the pole, it's foundation and any ~~support~~ brackets. PG&E owns and maintains all other components

(T)

Class D: Applicable to decorative street-light fixtures. PG&E provides its standard ~~post top or pendant style~~ fixture and control facility. Customer is responsible for all further costs, see Special Condition 9.

Class E: Applicable to street-light ~~only~~ poles on a concrete foundation, installed solely for the ~~luminaire fixture~~. PG&E provides a standard ~~fixture luminaire~~, control facility, ~~a standard 30" bracket if applicable~~ and service connection. Customer is responsible for all further costs, see Special Condition 9.

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(T)

Class F: Applicable to embedded street-light ~~only~~ poles, installed solely for the ~~luminaire fixture~~. PG&E provides a standard ~~fixture luminaire~~, control facility, a standard 30" bracket if applicable ~~and~~ service connection. Customer is responsible for all further costs, see Special Condition 9.

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(T)

(Continued)



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

Sheet 13

SPECIAL
CONDITIONS:
(Cont'd.)

5. **REARRANGEMENT RELOCATION, REARRANGEMENT OR MODIFICATION OF FACILITIES:** For any relocation, ~~or~~ rearrangement or modification 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 or modification. This shall include, but is not limited to, fixture changes.

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6. **SERVICE REQUESTS:** Service requests shall be made through PG&E's Service Planning organization and shall include form 79-1007 (Request to Install or Energize Streetlight Schedules LS-1, LS-2, OL-1) or 79-1008 (Request to De-Energize or Remove Streetlights LS-1, LS-2, OL-1) for installations, removals, relocations, rearrangements, modifications, energizing and de-energizing of streetlight facilities.

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(T)

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:

(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**

- 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~~-~~fixtures~~ 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.

(T)

(Continued)



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

Sheet 16

SPECIAL
CONDITIONS:
(Cont'd.)

9. PAYMENT FOR INSTALLATION OF LIGHTING FACILITIES:

See Special Condition 4 for a description of what material PG&E provides for each LS-1 Class (A, B, C, D, E and F). The Customer is responsible for the cost of all additional materials required to complete the installation. Only equipment included in PG&E's current standards are eligible for installation under LS-1, except as addressed in Special Condition 12. Current standards are available through PG&E's Service Planning application process.

Class A: Unless rearrangement of facilities is required to enable installation, or Customer selects non-standard materials, there is no installation charge for this class for standard- fixtures luminaires.

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(T)

Class B: This Class is closed for new installations.

Class C: Effective March 1, 2006, this Class is restricted to new fixtures installed on PG&E owned distribution or streetlight only poles on which the Customer has an existing streetlight installed under another LS-1 Class (A, D, E or F). 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.

(Continued)



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

Sheet 17

SPECIAL
CONDITIONS:
(Cont'd.)

9. **PAYMENT FOR INSTALLATION OF LIGHTING FACILITIES** (Cont'd.):

Class D: Restricted to Decorative Fixtures - 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.

For new Class D installations where the Customer requests an LED luminaire fixture, the Customer may choose to pay to PG&E in advance, a non-refundable amount equal to PG&E's estimated cost difference between the selected LED fixture and PG&E's most similar HPSV fixture as determined by PG&E. Customers not wishing to pay the estimated cost difference between LED and HPSV for new lighting installations under LS-1D may elect to include new lights under PG&E's optional LED streetlight replacement program by choosing to pay the Incremental Facility Charge for LS-1D as shown on Sheet 2 of this schedule.

(T)

LS-1D Customers with existing HPSV fixtures who prefer to not pay the up-front cost for replacement LED fixtures may also elect to participate in PG&E's optional LED streetlight replacement program by choosing to pay the LS-1D Incremental Facility Charge as shown on Sheet 2.

Customers electing to participate in PG&E's optional LED streetlight replacement program will be eligible for any applicable rebate or incentive available through ratepayer-funded programs intended to increase energy efficiency.

Classes E and F: 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.

(Continued)



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

Sheet 18

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.

11. MAINTENANCE, ACCESS, CLEARANCES and ATTACHMENTS

a) Maintenance: PG&E shall exercise reasonable care and diligence in maintaining PG&E-owned facilities. For PG&E's operational efficiency, maintenance and restoration activities may be completed with like for like lighting technology or, at PG&E's discretion may include updating to PG&E's current lighting technology at no incremental cost to the Customer-.

b) Access: The Customer is responsible for maintaining 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: The Customer will, at their own 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 managing vegetation to maintain lighting patterns, required clearances and access for maintenance of existing poles and luminaires/fixtures. (T)

d) Attachments: 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 at the cost of the responsible party. (T)
(T)

(Continued)



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

Sheet 19

SPECIAL
CONDITIONS:
(Cont'd.)

12. **SPECIAL EQUIPMENT:** LuminairesFixtures, poles, posts (T)
and other equipment requested by an Applicant or
Customer in addition to or in substitution for PG&E's
standard fixtures, brackets, poles, posts, photo controls and (T)
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 other special
hardware required or requested by the Applicant or
Customer or any governmental agency having jurisdiction.

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.

(Continued)



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

Sheet 20

SPECIAL
CONDITIONS:
(Cont'd.)

- 14. **TEMPORARY DISCONTINUANCE OF SERVICE:** (Fixture remains in place.) At the request of the Customer, PG&E will temporarily discontinue service to the individual **luminaires fixtures** provided the Customer continues to pay the applicable facility charges and any applicable taxes for the Class of Service as identified in the Rates section of this Schedule, plus the estimated cost to disconnect and reconnect the light. Upon Customer request for re-energization, PG&E may update the fixtures to current standards
- 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.

(T)
(T)
(T)

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, New System Generation Charges, 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.

(Continued)



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

Sheet 1

APPLICABILITY: Applicable to outdoor area lighting service for the illumination of areas where street and highway lighting schedules are not applicable and where PG&E installs, owns, operates and maintains the complete lighting installation on PG&E's existing wood distribution poles or on customer-owned poles acceptable to PG&E installed by the Customer on Customer's private property.

TERRITORY: The entire territory served.

RATES: Total monthly charge per lamp is equal to the sum of the facility charge and the energy charge. The monthly charge per lamp used for billing is calculated using unrounded facility and energy charges.

Monthly facility charges include the costs of owning, operating and maintaining the various lamp types and size, and is assigned to distribution. Monthly energy charges are based on the kWh usage of each lamp. The bundled monthly facility and energy charges are shown below. For 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 LED Program Incremental Facility Charge in addition to the OL-1 monthly facility charge.

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

Facilities Charge Per Lamp Per Month: \$7.126

LED Program Incremental Facility Charge: \$2.814

Energy Charge Per Lamp Per Month:

LAMP WATTS	All Night kWh PER MONTH	AVERAGE INITIAL LUMENS		All Night PER LAMP PER MONTH		HALF HOUR ADJUSTMENT	
MERCURY VAPOR LAMPS:*							
175	68	7,500	.....	\$13.197	(R)	\$0.600	(R)
400	152	21,000	.....	\$29.499	(R)	\$1.341	(R)
HIGH PRESSURE SODIUM VAPOR LAMPS:**							
70	29	5,800	.....	\$5.628	(R)	\$0.256	(R)
100	41	9,500	.....	\$7.957	(R)	\$0.362	(R)
200	81	22,000	.....	\$15.720	(R)	\$0.715	(R)
250	100	25,500	.....	\$19.407	(R)	\$0.882	(R)
400	154	46,000	.....	\$29.887	(R)	\$1.359	(R)

* Closed for new installations as of June 8, 1978.

** Closed to new installations as of the effective date of per-Advice 6176-E, May 28, 2021.

(T)

(N)

(Continued)



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

SPECIAL
CONDITIONS:
(Cont'd.)

6. RELOCATION OR REMOVAL OF FACILITIES:

- a) When PG&E's distribution facilities from which service is supplied hereunder, and/or the lighting facilities installed hereunder, are to be relocated or removed at the Customer's request or to comply with governmental requirements, or PG&E's access requirements, PG&E shall have the right, upon written notice, to discontinue the service being furnished under this schedule without obligation or liability. Where applicable, comparable service may be reestablished in accordance with the Special Conditions of this schedule.
- b) When the lighting facilities installed hereunder are relocated at the Customer's request, or when PG&E must relocate or modify the facilities to comply with governmental requirements or because of an irreconcilable objection to the facilities by others, or due to obstructions to access or maintenance, Customer shall pay PG&E, in advance, PG&E's estimated cost of such relocation or modification.

7. ACCESS and CLEARANCES

(T)

- a) Customer shall 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 describe in b below.

Customer shall, 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 new or existing lights.

- 8. **MAINTENANCE:** Except in the case of emergency, maintenance of ~~lamps-fixtures~~ and equipment will be performed only during normal working hours within a reasonable period following notification by the Customer of the need for such maintenance. All tree trimming or other obstructions to lighting patterns are the responsibility of the Customer to remedy.

(T)

- 9. **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.

- 10. **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.

(Continued)

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

AT&T
Albion Power Company

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency
Financing

California Alternative Energy and
Advanced Transportation Financing
Authority
California Public Utilities Commission
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Cenergy Power
Center for Biological Diversity

Chevron Pipeline and Power
City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
Crossborder Energy
Crown Road Energy, LLC
Davis Wright Tremaine LLP
Day Carter Murphy

Dept of General Services
Don Pickett & Associates, Inc.
Douglass & Liddell

East Bay Community Energy Ellison
Schneider & Harris LLP Energy
Management Service
Engineers and Scientists of California

GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz &
Ritchie

Green Power Institute
Hanna & Morton
ICF

IGS Energy
International Power Technology
Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated
Waste Management Task Force
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenzie & Associates

Modesto Irrigation District
NLine Energy, Inc.
NRG Solar

Office of Ratepayer Advocates
OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
San Diego Gas & Electric Company

SPURR
San Francisco Water Power and Sewer
Sempra Utilities

Sierra Telephone Company, Inc.
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

TransCanada
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy