

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



Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 6169E
As of May 24, 2021

Subject: Revision to Electric Schedule LS-2 - Customer-Owned Street and Highway Lighting

Division Assigned: Energy

Date Filed: 04-20-2021

Date to Calendar: 04-23-2021

Authorizing Documents: None

Disposition:	Accepted
Effective Date:	05-20-2021

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- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)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



Erik Jacobson
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 20, 2021

Advice 6169-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Revision to Electric Schedule LS-2 - *Customer-Owned Street and Highway Lighting.*

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

Purpose

PG&E requests California Public Utilities Commission (“CPUC” or “Commission”) approval to modify Electric Schedule LS-2 - *Customer-Owned Street and Highway Lighting* 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-2 is applicable to services for lighting installations which illuminate streets, highways, and other outdoor ways and places where the Customer is a Governmental Agency and owns the lighting fixtures, poles, and interconnecting circuits.

Advice 3431-E (March 4, 2009) and Advice 4411-E (May 5, 2014) represent the two last major revisions made to Electric Schedule LS-2. Advice 3431-E added energy-efficient Light-Emitting Diode (“LED”) streetlight technologies to the schedule and Advice 4411-E inserted the LED rate table based on the fixture wattage to better accommodate the growing technology.

Since 2014, 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.

Schedule LS-2 includes two Classes of rates that is dependent on who provides maintenance service for the streetlight facilities as described in Special Condition 8 of Electric Schedule LS-2:

- LS-2A includes PG&E supplied energy and service only, and includes a Facilities Charge of \$0.207 per lamp per month; and
- LS-2C includes PG&E supplied energy and maintenance service as described in Special Condition 8, and includes a Facilities Charge of \$3.994 per lamp per month.¹

In this advice letter PG&E is proposing to modify Electric Schedule LS-2 by removing services that are no longer applicable, moving LS-2C customers to LS-2A, adding clarifying language to the current text and updating the language in the tariff consistent with current practices and lighting technologies that continue to support transitions to LED streetlighting fixtures.

Tariff Revisions

PG&E is seeking approval to make the following changes to Electric Schedule LS-2:

Sheet 1, APPLICABILITY:

- MODIFY language to clarify that LS-2 is an unmetered service, clarify the types of streetlighting facilities that belong to the Customer, and clarify that Homeowner Associations, are not eligible for LS-2, unless they have an existing LS-2 account.
- ADD “As of the effective date of Advice 6169-E (May 20, 2021), Class C is closed to existing customers who will have been moved to the equivalent Class A rate.”

Sheet 1, RATES:

- DELETE “Monthly facility charges include the costs of owning, operating and maintaining the various lamp types and size. Monthly energy charges are based on the kWh usage of each lamp.”

Sheet 10, SERVICE REQUIREMENTS:

- 2b) LIGHT NUMBERING: MODIFY language to clarify that either Customer or PG&E could provide badge numbers provided numbers conform to PG&E’s

¹ Closed to new installations and new lamps on existing circuits, see Condition 8A of Electric Schedule LS-2.

billing system. However, Customer is responsible to furnish and install physical badge numbers on poles at 9 feet from ground level.

- 2c) SERVICE REQUESTS: ADD Titles to all numbered forms mentioned. “For attaching Customer-owned streetlighting facilities on PG&E distribution poles, see Special Condition 13 for Pole Contact Agreement requirements.”
- 2d) WATTGE STICKERS REQUIRED: ADD the following sentences:
 - “A streetlight wattage sticker needs to identify the actual total wattage consumed.”
 - “PG&E will not energize the circuit if there is not a wattage sticker on the fixture, no exceptions.”

Sheet 11, SERVICE INSTALLATION:

- 3f) Non-Conforming Load: CORRECT: replaced “then” with “than”

Sheets 13 and 14, SPECIAL CONDITIONS:

- 8a) Maintenance – REMOVE section heading and ADD the following text:
 - “(the fixture, including the ballast and other components, is the responsibility of the Customer).”
 - “LED streetlights are not eligible for Class C rates. Any existing Class C accounts with an LED streetlight will be moved to the equivalent Class A rate.*”
 - “*Class C is no longer applicable because LED fixtures are all inclusive and do not include a separate lamps or glassware.”
- 8b) Grandfathered Class C rates: DELETE section: language is no longer applicable including painting of Customer poles (note this is not a mandatory service under LS-2), troubleshooting Customer’s system, making repairs, and providing labor for the replacement of material such as ballasts, relays, fixtures, etc.
- 8c) Access: DELETE section; no longer applicable.
- 8d) Clearances: DELETE section; no longer applicable.

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 10, 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:

Erik Jacobson
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 20, 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/

Erik Jacobson
Director, Regulatory Relations

Attachments



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) #: 6169-E

Tier Designation: 2

Subject of AL: Revision to Electric Schedule LS-2 - Customer-Owned Street and Highway Lighting

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: 5/20/21

No. of tariff sheets: 11

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: Erik Jacobson, 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.
49655-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 1	33883-E
49656-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 2	49146-E
49657-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 10	33887-E
49658-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 11	29873-E
49659-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 12	29874-E
49660-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 13	29875-E
49661-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 14	29877-E
49662-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 15	46584-E
49663-E	ELECTRIC SCHEDULE LS-2 CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING Sheet 16	49153-E
49664-E	ELECTRIC TABLE OF CONTENTS Sheet 1	49646-E
49665-E	ELECTRIC TABLE OF CONTENTS Sheet 5	49181-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***
PG&E supplies energy and service only. \$0.207	PG&E supplies the energy and maintenance service as described in Special Condition 8 \$3.994

Energy Charge Per Lamp Per Month
All Night Rates

Nominal Lamp Rating:

Per Lamp Per Month

LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS*		
		INITIAL LUMENS*	All Classes	Half-Hour Adjustment
INCANDESCENT LAMPS:				
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
620	212	10,000**	\$39.758	\$1.807
860	294	15,000**	\$55.137	\$2.506
MERCURY VAPOR LAMPS:				
40	18	1,300	\$3.376	\$0.153
50	22	1,650	\$4.126	\$0.188
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
1,000	377	57,000	\$70.703	\$3.214

* 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.

(D)

(Continued)



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

Sheet 10

SPECIAL CONDITIONS:

- 1. **TYPE OF SERVICE:** This schedule is applicable to multiple lighting systems to which PG&E will deliver current at secondary voltage. Multiple current will normally be supplied at 120/240 Volt, single-phase. In certain localities PG&E may supply service from 120/208 Volt, wye-systems, polyphase lines in place of 240 Volt service. Unless otherwise agreed, existing series current will be delivered at 6.6 amperes. Single-phase service from 480 Volt sources and series circuits will be available in certain areas at the option of PG&E when this type of service is practical from PG&E's engineering standpoint. All currents and voltages stated herein are nominal, reasonable variations being permitted.

New lights will normally be supplied as multiple systems. Series service to new lights will be made only when it is practical from PG&E's engineering standpoint to supply them from existing series systems.

2. **SERVICE REQUIREMENTS:**

- a) **PHOTO CONTROLS:** This rate schedule is predicated on an electronic type photo controls meeting ANSI standard C136.10, with a turn on value of 1.0 foot-candles and a turn off value of 1.5 foot-candles. Electro-mechanical or thermal type photo controls are not acceptable for this rate schedule.
- b) **STREETLIGHT NUMBERING (POLE BADGING):** As agreed upon by the parties, streetlight badge numbers for single lights or multiple lights on a single pole, shall be provided by either party and must conform to PG&E's billing system. Customer will furnish and install physical badge numbers on poles for LS-2 installations in order to facilitate accurate billing and inventory reporting. Badging is required prior to energizing facilities, no exceptions. Badge numbers must be affixed to the pole 9 feet from ground level facing street-side and be legible from the ground. (T)
- c) **SERVICE REQUESTS:** Service requests for installation and energizing of Customer's facilities may be submitted on forms 79-1007 (Request to Install or Energize Streetlight Schedules LS-1, LS-2, OL-1) or 79-1107 (Streetlight Application for Service). Removal or de-energizing of Customer's facilities may be requested on form 79-1008 (Request to De-Energize or Remove Streetlights LS-1, LS-2, OL-1). For attaching Customer-owned streetlighting facilities on PG&E distribution poles, see Special Condition 13 for Pole Contact Agreement requirements.
- d) **WATTAGE STICKERS REQUIRED:** A streetlight wattage sticker needs to identify the actual total wattage consumed, be visible from the ground, be of a size and type acceptable to PG&E showing total fixture energy use in Watts and must be installed on each fixture. PG&E will not energize the circuit if there is not a wattage sticker on the fixture, no exceptions. (T)

(Continued)



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

Sheet 11

SPECIAL
CONDITIONS:
(Cont'd.)

3. **SERVICE INSTALLATION**

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 streetlight or service facilities requested by Customer or Applicant and agreed to by PG&E. f)

(L)

(L)

(Continued)



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

Sheet 12

SPECIAL
CONDITIONS:
(Cont'd.)

3. SERVICE INSTALLATION (Cont'd.)

- 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 Form 79-1048 (Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities) that is available on PG&E's web site at www.pge.com/tariffs under 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.

(L)
|
(L)
(L)/(T)
(L)
|
(L)
(L)/(T)
|
(L)/(T)
(L)
|
(L)

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.

(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.

8. **MAINTENANCE:** The C rates include all labor and material necessary for the inspection, cleaning, or replacement by PG&E of lamps and glassware (the fixture, including the ballast and other components, is the responsibility of the Customer). 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. Class C is also closed to all existing customers, and any legacy Class C customers have been moved to Class A.*

(T)
(T)
(T)
(C)
(C)
(D)

* Class C is no longer applicable because LED fixtures are all inclusive and do not include a separate lamps or glassware."

(N)
(N)

(Continued)



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

Sheet 14

SPECIAL
CONDITIONS:
(Cont'd.)

9. LINE EXTENSIONS

- a) Where PG&E extends its facilities to streetlight 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 streetlight 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. STREETLIGHT 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 STREETLIGHTS: 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.

(L)

(L)

(Continued)



ELECTRIC SCHEDULE LS-2

Sheet 15

CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

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.

(L)

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 streetlight fixtures and the total energy consumption per fixture must not exceed current energy use per fixture. Additional energy efficient streetlight 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, 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.

(L)



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

Sheet 16

SPECIAL
CONDITIONS:
(Cont'd.)

14. **BILLING** (Cont'd)

(L)

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS
Energy Cost Recovery Amount Charge (per kWh)	\$0.00032
Wildfire Fund Charge (per kWh)	\$0.00580
CTC Charge (per kWh)	\$0.00003
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	\$0.02796
2010 Vintage	\$0.03367
2011 Vintage	\$0.03518
2012 Vintage	\$0.03725
2013 Vintage	\$0.03743
2014 Vintage	\$0.03746
2015 Vintage	\$0.03763
2016 Vintage	\$0.03788
2017 Vintage	\$0.03791
2018 Vintage	\$0.03748
2019 Vintage	\$0.02854
2020 Vintage	\$0.02300
2021 Vintage	\$0.02300

15. **WILDFIRE FUND CHARGE:** The Wildfire Fund Charge was imposed by California Public Utilities Commission Decisions 19-10-056, 20-07-014, 20-09-005, and 20-09-023 and is property of Department of Water Resources (DWR) for all purposes under California law. The Charge became effective October 1, 2020, and applies to all retail sales, excluding CARE and Medical Baseline sales. The Wildfire Fund Charge (where applicable) is included in customers' total billed amounts. The Wildfire Fund Charge replaces the DWR Bond Charge imposed by California Public Utilities Commission Decisions 02-10-063 and 02-12-082.

(L)



ELECTRIC TABLE OF CONTENTS

Sheet 1

TABLE OF CONTENTS

SCHEDULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.	
Title Page.....		49664-E	(T)
Rate Schedules.....	48262,48263,48264, 49665 ,48266,49647,47616,44177,48268-E		(T)
Preliminary Statements.....	48269,48064,48075,41723,49327,48076,49328-E		
Rules.....	48066,48875,48369-E		
Maps, Contracts and Deviations.....	37960-E		
Sample Forms.....	47207,37631,49301,49302, 49303,49304,49305,49306,49307,49308,49309,49310,49311-E		

(Continued)

Advice 6169-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 20, 2021



ELECTRIC TABLE OF CONTENTS

Sheet 5

SCHEDULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.
	Rate Schedules Lighting Rates	
LS-1	Pacific Gas and Electric Company-Owned Street and Highway Lighting..... 45482,49138,45484,49139,49140,49141,49142,49143,49144,45485,45486, 45487,45488,30282,30283,45489,45490,45491,45492,45493,49145-E	
LS-2	Customer-Owned Street and Highway Lighting 49655,49656 ,49147,49148,49149, (T) 49150,49151,29870,49152, 49657,49658,49659,49660,49661,49662,49663 -E (T)	
LS-3	Customer-Owned Street and Highway Lighting Electrolier Meter Rate49154,24553,26984,26985,49155-E	
OL-1	Outdoor Area Lighting Service49156,49157,49158,49159,49160,49161,43266,43267, 43268,49162-E	
TC-1	Traffic Control Service.....49170,24558,26988,49171-E	

(Continued)

Advice 6169-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 20, 2021

Attachment 2

Redline Tariff Revisions

For convenience of the reader, PG&E has included redline revisions in Attachment 2.



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

Sheet 2

RATES: (Cont'd.)

Facilities Charge Per Lamp Per Month

CLASS:	A	C***
	PG&E supplies energy and service only. \$0.207	PG&E supplies the energy and maintenance service as described in Special Condition 8 \$3.994

Energy Charge Per Lamp Per Month
All Night Rates

Nominal Lamp Rating:		Per Lamp Per Month		
LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS*	All Classes	Half-Hour Adjustment
INCANDESCENT LAMPS:				
58	20	600	\$3.674	\$0.167
92	31	1,000	\$5.695	\$0.259
189	65	2,500	\$11.941	\$0.543
295	101	4,000**	\$18.555	\$0.843
405	139	6,000**	\$25.536	\$1.161
620	212	10,000**	\$38.947	\$1.770
860	294	15,000**	\$54.011	\$2.455
MERCURY VAPOR LAMPS:				
40	18	1,300	\$3.307	\$0.150
50	22	1,650	\$4.042	\$0.184
100	40	3,500	\$7.348	\$0.334
175	68	7,500	\$12.492	\$0.568
250	97	11,000	\$17.820	\$0.810
400	152	21,000	\$27.924	\$1.269
700	266	37,000	\$48.867	\$2.221
1,000	377	57,000	\$69.259	\$3.148

* 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.~~

(D)

(Continued)



SPECIAL CONDITIONS:

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

Sheet 10

1. **TYPE OF SERVICE:** This schedule is applicable to multiple lighting systems to which PG&E will deliver current at secondary voltage. Multiple current will normally be supplied at 120/240 Volt, single-phase. In certain localities PG&E may supply service from 120/208 Volt, wye-systems, polyphase lines in place of 240 Volt service. Unless otherwise agreed, existing series current will be delivered at 6.6 amperes. Single-phase service from 480 Volt sources and series circuits will be available in certain areas at the option of PG&E when this type of service is practical from PG&E's engineering standpoint. All currents and voltages stated herein are nominal, reasonable variations being permitted.

New lights will normally be supplied as multiple systems. Series service to new lights will be made only when it is practical from PG&E's engineering standpoint to supply them from existing series systems.

2. **SERVICE REQUIREMENTS:**

a) **PHOTO CONTROLS**

This rate schedule is predicated on an electronic type photo controls meeting ANSI standard C136.10, with a turn on value of 1.0 foot-candles and a turn off value of 1.5 foot-candles. Electro-mechanical or thermal type photo controls are not acceptable for this rate schedule.

b) **STREETLIGHT or POLE-NUMBERING (POLE BADGING)**

(T)

As agreed upon by the parties, ~~pole number sequencing and coding~~ streetlight badge numbers for single lights or multiple lights on a single pole, shall be provided by either party and must conform to PG&E's billing system. Customer will ~~provide~~ furnish and install physical ~~badge numbers~~ numbering on ~~lights or~~ poles for LS-2 installations in order to facilitate accurate billing and inventory reporting. ~~Numbering-Badging~~ is required prior to energizing facilities. no exceptions. ~~Numbering-Badge numbers~~ must be affixed to the pole 9 feet from ground level facing street-side and be legible from the ground.

c) **SERVICE REQUESTS**

Service requests for installation and energizing of Customer's facilities may be submitted on forms 79-1007 (Request to Install or Energize Streetlight Schedules LS-1, LS-2, OL-1) or 79-1107 (Streetlight Application for Service). Removal or de-energizing of Customer's facilities may be requested on form 79-1008 (Request to De-Energize or Remove Streetlights LS-1, LS-2, OL-1). For attaching Customer-owned streetlighting facilities on PG&E distribution poles, see Special Condition 13 for Pole Contact Agreement requirements.

d) **WATTAGE STICKERS REQUIRED**

A streetlight wattage sticker needs to identify the actual total wattage consumed, be visible from the ground, be of a size and type acceptable to PG&E showing total fixture energy use in Watts watts for any lamps billed under LIGHT EMITTING DIODE (LED) LAMPS OR COMPARABLE LIGHTING TECHNOLOGY, nominal wattage rating (in watts) for induction lighting, or stickers meeting requirements of ANSI Standard C136.15 for other lamp types and must be installed on each fixture. PG&E will not energize the circuit if there is not a wattage sticker on the fixture. no exceptions.

(T)

(Continued)



SPECIAL
CONDITIONS:
(Cont'd.)

3. **SERVICE INSTALLATION**

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.~~ (L)

(Continued)



SPECIAL CONDITIONS:
(Cont'd.)

ELECTRIC SCHEDULE LS-2 Sheet 12
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

3. **SERVICE INSTALLATION (Cont'd.)**

f) **Non-Conforming Load:** Applicant or Customer must be a governmental agency. Any load, other ~~then 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 Form 79-1048 (Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities)** that is available on PG&E's web site ~~at, http:// www.pge.com/tariffs/EF_SHTML#EF_forunder~~ 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.

(L)
|
(L)
(L)/(T)
(L)
(L)
(L)/(T)
|
(L)/(T)
(L)
|
(L)

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.

(Continued)



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

Sheet 14

SPECIAL
CONDITIONS:
(Cont'd.)

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

(D)

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.~~

(D)

(Continued)



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

Sheet **4716**

SPECIAL
CONDITIONS:
(Cont'd.)

15. **BILLING** (Cont'd)

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, New System Generation Charges, 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.

	<u>DA / CCA CRS</u>
Energy Cost Recovery Amount Charge (per kWh)	\$0.00032
Wildfire Fund Charge (per kWh)	\$0.00580
CTC Charge (per kWh)	\$0.00003
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	\$0.02487
2010 Vintage	\$0.03073
2011 Vintage	\$0.03232
2012 Vintage	\$0.03443
2013 Vintage	\$0.03461
2014 Vintage	\$0.03464
2015 Vintage	\$0.03482
2016 Vintage	\$0.03506
2017 Vintage	\$0.03510
2018 Vintage	\$0.03467
2019 Vintage	\$0.02573
2020 Vintage	\$0.02019
2021 Vintage	\$0.02019

15. **WILDFIRE FUND CHARGE:** The Wildfire Fund Charge was imposed by California Public Utilities Commission Decisions 19-10-056, 20-07-014, 20-09-005, and 20-09-023 and is property of Department of Water Resources (DWR) for all purposes under California law. The Charge became effective October 1, 2020, and applies to all retail sales, excluding CARE and Medical Baseline sales. The Wildfire Fund Charge (where applicable) is included in customers' total billed amounts. The Wildfire Fund Charge replaces the DWR Bond Charge imposed by California Public Utilities Commission Decisions 02-10-063 and 02-12-082.

**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