

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

Tel. No. (415) 703-1691



January 10, 2005

Advice Letter 2591-E

Rose de la Torre
Pacific Gas & Electric
77 Beale Street, Room 1088
Mail Code B10C
San Francisco, CA 94105

Subject: Revised Schedules LS-1 and LS-2 to add special streetlight rates

Dear Ms de la Torre:

Advice Letter 2591-E is effective January 1, 2005. A copy of the advice letter is returned herewith for your records.

Sincerely,

A handwritten signature in cursive script that reads "Paul Clanon".

Paul Clanon, Director
Energy Division



**Pacific Gas and
Electric Company**

Brian K. Cherry
Director
Regulatory Relations

77 Beale Street, Room 1087
San Francisco, CA 94105

Mailing Address
Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

November 19, 2004

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ADVICE 2591-E
(Pacific Gas and Electric Company ID U39E)

Subject: Revise Electric Rate Schedules LS-1 and LS-2 to Add Special Streetlight Rates

Public Utilities Commission of the State of California

Pacific Gas and Electric Company (PG&E) hereby submits for filing revisions to its electric tariffs. The affected tariff sheets are listed on the enclosed Attachment I.

Purpose

The purpose of this filing is to submit revisions to electric rate schedule *LS-1 -- PG&E-Owned Street and Highway Lighting* and schedule *LS-2 -- Customer-Owned Street and Highway Lighting*, to add rates for streetlights that were previously approved by the Commission as "special streetlights."

Background

PG&E occasionally receives service requests for streetlights that are of a different wattage or operating period than is currently shown in PG&E's streetlight rate schedules. Rates for these "special streetlights" were computed using approved LS-1 and LS-2 base and energy rates and implemented via Special Rate Authorization. Decision 93-06-087 approved the special streetlight rates currently in effect. PG&E now asks the Commission to approve the transfer of the lamp types and sizes designated below to the LS-1 and LS-2 rate schedules:

<u>Lamp Type and Size</u>	<u>Transfer To</u>	<u>Monthly Rate</u>	<u>Half Hour Adjustment</u>
Mercury Vapor Lamps			
250 Watts	LS-1C	\$14.715	\$0.441
400 Watts	LS-1C	\$20.512	\$0.691
700 Watts	LS-1C	\$37.792	\$1.209
High Pressure Sodium Vapor Lamps			
70 Watts (240 Volts)	LS-1A	\$9.024	\$0.154
360 Watts (240 Volts)	LS-2A	\$14.572	\$0.654
Metal Halide Lamps			
250 Watts	LS-2A	\$10.673	\$0.477

Authorization for this change is requested because PG&E currently provides streetlight service for the lamp types shown above in its LS rates and needs to show in its streetlight rate schedules the rates for all lamp types and sizes where the operating hours are for all-night operation. This will allow customers to easily review rates available and improve streetlight billing efficiency.

The methodology for calculating the special rates shown above is identical to that used to develop the existing Schedules LS-1 and LS-2 rates. The rate calculations are shown in Attachment II.

Protests

Anyone wishing to protest this filing may do so by sending a letter by December 9 2004, which is 20 days from the date of this filing. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. Protests should be mailed to:

IMC Branch Chief – Energy Division
California Public Utilities Commission
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102

Facsimile: (415) 703-2200
E-mail: jjr@cpuc.ca.gov

Protests also should be sent by e-mail and facsimile to Mr. Jerry Royer, Energy Division, as shown above, and by U.S. mail to Mr. Royer at the above address.

The protest should be sent via both e-mail and facsimile to PG&E on the same date it is mailed or delivered to the Commission at the address shown below.

Pacific Gas and Electric Company
Attention: Brian Cherry
Director, Regulatory Relations
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-7226
E-mail: RxDd@pge.com

Effective Date

PG&E requests that this advice filing become effective on regular notice, **January 1, 2005**, which is 43 days after the date of filing.

Notice

In accordance with General Order 96-A, Section III, Paragraph G, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list. Address changes should be directed to Rose de la Torre at (415) 973-4716. Advice letter filings can also be accessed electronically at:

<http://www.pge.com/tariffs>

Brian K. Cherry
Director, Regulatory Relations *AWS*

Attachments (2)

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
22450-E	LS-1 – PG&E-Owned Street and Highway Lighting	22385-E
22451-E	LS-2 – Customer-Owned Street and Highway Lighting	22389-E
22452-E	Table of Contents – Rate Schedules	22414-E
22453-E	Table of Contents	22415-E



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

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

TERRITORY: The entire territory served.

RATES: Total bundled service charges are calculated using the total rates shown below. Direct access charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

Lamp rates include a Base Charge for the costs of owning, operating and maintaining the various lamp types and sizes and the energy charge. The Base Charge is assigned to distribution, and equals the difference between the total charge per lamp per month and the product of the energy charge and the kWh per month listed below.

CLASS	Nominal Lamp Rating	LAMP WATTS	kWh PER MONTH	AVERAGE INITIAL LUMENS	Per Lamp Per Month				Half-Hour Adjustment
					All Night Rates				
					A	B	C	D	
INCANDESCENT LAMPS*:									
		58	20	600	\$10.422	—	—	—	\$0.091
		92	31	1,000	11.521	—	—	—	0.141
		189	65	2,500	14.913	\$11.988	—	—	0.295
		295	101	4,000	18.607	15.688	—	—	0.459
		405	139	6,000	22.899	—	—	—	0.631
MERCURY VAPOR LAMPS*:									
		100	40	3,500	10.201	—	\$8.949	—	0.182
		175	68	7,500	12.021	9.900	11.763	—	0.309
		250	97	11,000	14.841	12.803	14.715 (N)	—	0.441
		400	152	21,000	20.881	18.526	20.512 (N)	—	0.691 (I)
		700	266	37,000	34.704	31.562	32.792 (N)	—	1.209 (I)
HIGH PRESSURE SODIUM VAPOR LAMPS:									
120 Volts									
		70	29	5,800	8.523	—	7.628	\$11.095	0.132
		100	41	9,500	9.782	—	8.920	12.398	0.186
		150	60	16,000	12.140	—	10.913	14.371	0.272
240 Volts									
		70	34	5,800	9.024	—	—	—	0.154 (N)
		200	81	22,000	16.220	—	14.313	—	0.368
		250	100	25,500	17.234	—	15.652	—	0.454
		400	154	46,000	24.768	—	22.541	—	0.699

* Closed to new installations as of June 8, 1978, except where PG&E and customer shall agree, mercury vapor lamps may be installed under Class A and C to provide compatibility with existing light sources.

(Continued)



SCHEDULE LS-2—CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING
(Continued)

RATES:
(Cont'd.)

CLASS:		A	B	C		
		PG&E supplies energy and switching* service only.	PG&E supplies the energy, switching,* and maintenance service for lamps and glassware.	PG&E supplies the energy, switching,* and maintenance service for entire system including lamps and glassware.		
Nominal Lamp Rating:		Per Lamp Per Month				
LAMP WATTS	kWh PER MONTH	AVERAGE INITIAL LUMENS**	Class A All-Night	Class B All-Night	Class C All-Night	A, B, and C Half-Hour Adjustment
HIGH PRESSURE SODIUM VAPOR LAMPS AT:						
120 VOLTS						
35	15	2,150	\$1.675	—	—	\$0.068
50	21	3,800	2.274	—	—	0.095
70	29	5,800	3.073	\$4.032	\$4.489	0.132
100	41	9,500	4.272	5.258	5.715	0.186
150	60	16,000	6.170	7.184	7.641	0.272
200	80	22,000	8.169	—	—	0.363
HIGH PRESSURE SODIUM VAPOR LAMPS AT:						
240 VOLTS						
50	24	3,800	\$2.574	—	—	\$0.109
70	34	5,800	3.573	\$4.531	\$4.989	0.154
100	47	9,500	4.872	5.858	6.315	0.213
150	69	16,000	7.070	8.083	8.540	0.313
200	81	22,000	8.269	9.282	9.739	0.368
250	100	25,500	10.167	11.208	11.665	0.454
310	119	37,000	12.065	—	—	0.540
360	144	45,000	14.572	—	—	0.654 (N)
400	154	46,000	15.562	16.603	17.060	0.699
LOW PRESSURE SODIUM VAPOR LAMPS:						
35	21	4,800	2.274	—	—	\$0.095
55	29	8,000	3.073	—	—	0.132
90	45	13,500	4.672	—	—	0.204
135	62	21,500	6.370	—	—	0.282
180	78	33,000	7.969	—	—	0.354
METAL HALIDE LAMPS:						
70	30	5,500	\$3.173	—	—	\$0.136
100	41	8,500	4.272	—	—	0.186
150	63	13,500	6.470	—	—	0.286
175	72	14,000	7.369	—	—	0.327
250	105	20,500	10.673	—	—	0.477 (N)
400	162	30,000	16.361	—	—	0.736
1,000	387	90,000	38.841	—	—	1.758
INDUCTION LAMPS:						
85	30	4,800	\$3.173	—	—	\$0.136

* Switching Service is closed to new installations.

** Latest published information should be consulted on best available lumens.

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RATE SCHEDULES

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PACIFIC GAS AND ELECTRIC COMPANY

Derivation of LS-1C Rate For a 250 Watt Mercury Vapor Streetlight

Trans + Rel.Svcs.+ TRBA Adj. Rate + TAC	\$0.00418	ENERGY COMPONENTS	
DISTRIBUTION	0.02813	EFFECTIVE: ----	9-1-04
PUBLIC PURPOSE PROGRAMS	0.00386		
GENERATION + DWR + Reg Asset	0.06356	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	<u>0.00024</u>	EFFECTIVE: ----	7-15-93
	<u>\$0.09997</u>		

LS-1C					
11,000 Lumens	97	kWh/Month			
Mercury Vapor	LS-1C -- Fixed Charge		7-15-93	=	\$5.018
250 Watts	Base Energy Charge		9-1-04	=	0.09997 X 97 kWh = <u>\$9.697</u>
	Total Rate				\$14.715
	1/2 Hr. Adj.		9-1-04	=	\$0.441

Inputs:

284 line watts. (Source: average lamp and ballast watts for American Electric, Cooper, and General Electric.)

Formula:

$$\text{kWh/Month} = \text{Line Watts} \times 342 \text{ hours per month} / 1,000$$

$$\text{kWh / Mo.} = 97$$

ASSUMPTIONS USED TO DEVELOP kWh PER LAMP:

- (1) All- night streetlight operates 4100 hrs. per year.
- (2) Streetlight operates 342 hours per month (4,100 hrs. per yr. /12 = 342 hrs. per mo.)

PACIFIC GAS AND ELECTRIC COMPANY

Derivation of LS-1C Rate For a 400 Watt Mercury Vapor Streetlight

Trans + Rel.Svcs.+ TRBA Adj. Rate + TAC	\$0.00418	ENERGY COMPONENTS	
DISTRIBUTION	\$0.02813	EFFECTIVE: - - - -	9-1-04
PUBLIC PURPOSE PROGRAMS	\$0.00386		
GENERATION + DWR + Reg Asset	\$0.06356	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	<u>\$0.00024</u>	EFFECTIVE: - - - -	7-15-93
	\$0.09997		

LS-1C						
21,000 Lumens	152	kWh/Month				
Mercury Vapor	LS-1C -- Fixed Charge		7-15-93	=		\$5.317
400 Watts	Base Energy Charge		9-1-04	=	0.09997 X 152 kWh =	15.195
	Total Rate					<u>\$20.512</u>
	1/2 Hr. Adj.		9-1-04	=	\$0.691	

Inputs:

444 line watts. (Source: average lamp and ballast watts for American Electric, Cooper, and General Electric.)

Formula:

$$\text{kWh/Month} = \text{Line Watts} \times 342 \text{ hours per month} / 1,000$$

$$\text{kWh / Mo.} = 152$$

ASSUMPTIONS USED TO DEVELOP kWh PER LAMP:

- (1) All- night streetlight operates 4100 hrs. per year.
- (2) Streetlight operates 342 hours per month (4,100 hrs. per yr. /12 = 342 hrs. per mo.)

PACIFIC GAS AND ELECTRIC COMPANY

Derivation of LS-1C Rate For a 700 Watt Mercury Vapor Streetlight

Trans + Ref.Svcs. + TRBA Adj. Rate + TAC	\$0.00418	ENERGY COMPONENTS	
DISTRIBUTION	\$0.02813	EFFECTIVE: - - - -	9-1-04
PUBLIC PURPOSE PROGRAMS	\$0.00386		
GENERATION + DWR + Reg Asset	\$0.06356	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	<u>\$0.00024</u>	EFFECTIVE: - - - -	7-15-93
	\$0.09997		

LS-1C						
37,000 Lumens	266	kWh/Month				
Mercury Vapor	LS-1C -- Fixed Charge		7-15-93	=		\$6.200
700 Watts	Base Energy Charge		9-1-04	=	0.09997 X 266 kWh =	<u>26.592</u>
	Total Rate					\$32.792
	1/2 Hr. Adj.		9-1-04	=	\$1.209	

Inputs:

778 line watts. (Source: average lamp and ballast watts for American Electric, Cooper, and General Electric.)

Formula:

$$\text{kWh/Month} = \text{Line Watts} \times 342 \text{ hours per month} / 1,000$$

$$\text{kWh / Mo.} = 266$$

ASSUMPTIONS USED TO DEVELOP kWh PER LAMP:

- (1) All- night streetlight operates 4100 hrs. per year.
- (2) Streetlight operates 342 hours per month (4,100 hrs. per yr. /12 = 342 hrs. per mo.)

PACIFIC GAS AND ELECTRIC COMPANY

Derivation of LS-1A Rate For a 70 Watt High Pressure Sodium Vapor Streetlight

Trans + Rel.Svcs.+ TRBA Adj. Rate + TAC	\$0.00418	ENERGY COMPONENTS	
DISTRIBUTION	\$0.02813	EFFECTIVE: - - - -	9-1-04
PUBLIC PURPOSE PROGRAMS	\$0.00386		
GENERATION + DWR + Reg Asset	\$0.06356	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	<u>\$0.00024</u>	EFFECTIVE: - - - -	7-15-93
	\$0.09997		

LS-1A					
5,800 Lumens	34	kWh/Month			
High Pressure Sodium V.	LS-2A -- Fixed Charge		7-15-93	=	\$5.625
70 Watts	Base Energy Charge		9-1-04	=	0.09997 X 34 kWh = <u>3.399</u>
240 V	Total Rate				\$9.024
	1/2 Hr. Adj.		9-1-04	=	\$0.154

Inputs:

99 line watts. (Source: average lamp and ballast watts for American Electric, Cooper, and General Electric.)

Formula:

$$\text{kWh/Month} = \text{Line Watts} \times 342 \text{ hours per month} / 1,000$$

$$\text{kWh / Mo.} = 34$$

ASSUMPTIONS USED TO DEVELOP kWh PER LAMP:

- (1) All- night streetlight operates 4100 hrs. per year.
- (2) Streetlight operates 342 hours per month (4,100 hrs. per yr. /12 = 342 hrs. per mo.)

PACIFIC GAS AND ELECTRIC COMPANY

Derivation of LS-2A Rate For a 360 Watt High Pressure Sodium Vapor Streetlight

Trans + Rel.Svcs.+ TRBA Adj. Rate + TAC	\$0.00418	ENERGY COMPONENTS	
DISTRIBUTION	\$0.02813	EFFECTIVE: - - - -	9-1-04
PUBLIC PURPOSE PROGRAMS	\$0.00386		
GENERATION + DWR + Reg Asset	\$0.06356	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	<u>\$0.00024</u>	EFFECTIVE: - - - -	7-15-93
	\$0.09997		

		LS-2A			
45,000 Lumens	144	kWh/Month			
High Pressure Sodium V.	LS-2A -- Fixed Charge		7-15-93	=	\$0.176
360 Watts	Base Energy Charge		9-1-04	=	0.09997 X 144 kWh = 14.396
240 V	Total Rate				<u>\$14.572</u>
	1/2 Hr. Adj.		9-1-04	=	\$0.654

Inputs:

421 line watts. (Source: average lamp and ballast watts for American Electric, Cooper, and General Electric.)

Formula:

$$\text{kWh/Month} = \text{Line Watts} \times 342 \text{ hours per month} / 1,000$$

$$\text{kWh / Mo.} = 144$$

ASSUMPTIONS USED TO DEVELOP kWh PER LAMP:

- (1) All- night streetlight operates 4100 hrs. per year.
- (2) Streetlight operates 342 hours per month (4,100 hrs. per yr. /12 = 342 hrs. per mo.)

PACIFIC GAS AND ELECTRIC COMPANY

Derivation of LS-2A Rate For a 250 Watt Metal Halide Streetlight

Trans + Rel.Svcs.+ TRBA Adj. Rate + TAC	\$0.00418	ENERGY COMPONENTS	
DISTRIBUTION	\$0.02813	EFFECTIVE: - - - -	9-1-04
PUBLIC PURPOSE PROGRAMS	\$0.00386		
GENERATION + DWR + Reg Asset	\$0.06356	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	<u>\$0.00024</u>	EFFECTIVE: - - - -	7-15-93
	\$0.09997		

LS-2A					
20,500 Lumens	105	kWh/Month			
Metal Halide	LS-2A -- Fixed Charge		7-15-93	=	\$0.176
250 Watts	Base Energy Charge		9-1-04	=	0.09997 X 105 kWh = 10.497
	Total Rate				<u>\$10.673</u>
	1/2 Hr. Adj.		9-1-04	=	\$0.477

Inputs:

308 line watts. (Source: average lamp and ballast watts for American Electric, Cooper, and General Electric.)

Formula:

$$\text{kWh/Month} = \text{Line Watts} \times 342 \text{ hours per month} / 1,000$$

$$\text{kWh / Mo.} = 105$$

ASSUMPTIONS USED TO DEVELOP kWhr PER LAMP:

- (1) All- night streetlight operates 4100 hrs. per year.
- (2) Streetlight operates 342 hours per month (4,100 hrs. per yr. /12 = 342 hrs. per mo.)

**PG&E Gas and Electric Advice
Filing List
General Order 96-A, Section III(G)**

ABAG Power Pool
Accent Energy
Aglet Consumer Alliance
Agnews Developmental Center
Ahmed, Ali
Alicantar & Elsesser
Anderson Donovan & Poole P.C.
Applied Power Technologies
APS Energy Services Co Inc
Arter & Hadden LLP
Avista Corp
Barkovich & Yap, Inc.
BART
Bartle Wells Associates
Blue Ridge Gas
Bohannon Development Co
BP Energy Company
Braun & Associates
C & H Sugar Co.
CA Bldg Industry Association
CA Cotton Ginners & Growers Assoc.
CA League of Food Processors
CA Water Service Group
California Energy Commission
California Farm Bureau Federation
California Gas Acquisition Svcs
California ISO
Calpine
Calpine Corp
Calpine Gilroy Cogen
Cambridge Energy Research Assoc
Cameron McKenna
Cardinal Cogen
Cellnet Data Systems
Chevron Texaco
Chevron USA Production Co.
Childress, David A.
City of Glendale
City of Healdsburg
City of Palo Alto
City of Redding
CLECA Law Office
Constellation New Energy
Cooperative Community Energy
CPUC
Creative Technology
Cross Border Inc
Crossborder Inc
CSC Energy Services
Davis, Wright Tremaine LLP
Davis, Wright, Tremaine, LLP
Defense Fuel Support Center
Department of the Army

Department of Water & Power City
Dept of the Air Force
DGS Natural Gas Services
DMM Customer Services
Douglass & Liddell
Downey, Brand, Seymour & Rohwer
Duke Energy
Duke Energy North America
Duncan, Virgil E.
Dutcher, John
Dynergy Inc.
Ellison Schneider
Energy Law Group LLP
Energy Management Services, LLC
Enron Energy Services
Exelon Energy Ohio, Inc
Exeter Associates
Foster Farms
Foster, Wheeler, Martinez
Franciscan Mobilehome
Future Resources Associates, Inc
G. A. Krause & Assoc
Gas Transmission Northwest Corporation
GLJ Energy Publications
Goodin, MacBride, Squeri, Schlotz &
Hanna & Morton
Heeg, Peggy A.
Hogan Manufacturing, Inc
House, Lon
Imperial Irrigation District
Integrated Utility Consulting Group
International Power Technology
Interstate Gas Services, Inc.
J. R. Wood, Inc
JTM, Inc
Kaiser Cement Corp
Korea Elec Power Corp
Luce, Forward, Hamilton & Scripps
Marcus, David
Masonite Corporation
Matthew V. Brady & Associates
Maynor, Donald H.
McKenzie & Assoc
McKenzie & Associates
Meek, Daniel W.
Mirant California, LLC
Modesto Irrigation Dist
Morrison & Foerster
Morse Richard Weisenmiller & Assoc.
Navigant Consulting
New United Motor Mfg, Inc
Norris & Wong Associates
North Coast Solar Resources

Northern California Power Agency
Office of Energy Assessments
Palo Alto Muni Utilities
PG&E National Energy Group
Pinnacle CNG Company
PITCO
Plurimi, Inc.
PPL EnergyPlus, LLC
Praxair, Inc.
Price, Roy
Product Development Dept
R. M. Hairston & Company
R. W. Beck & Associates
Recon Research
Regional Cogeneration Service
RMC Lonestar
Sacramento Municipal Utility District
SCD Energy Solutions
Seattle City Light
Sempra
Sempra Energy
Sequoia Union HS Dist
SESCO
Sierra Pacific Power Company
Silicon Valley Power
Simpson Paper Company
Smurfit Stone Container Corp
Southern California Edison
SPURR
St. Paul Assoc
Stanford University
Sutherland, Asbill & Brennan
Tabors Caramanis & Associates
Tansev and Associates
Tecogen, Inc
TFS Energy
TJ Cross Engineers
Transwestern Pipeline Co
Turlock Irrigation District
U S Borax, Inc
United Cogen Inc.
URM Groups
Utility Cost Management LLC
Utility Resource Network
Wellhead Electric Company
Western Hub Properties, LLC
White & Case
WMA