

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298

Tel. No. (415) 703-1691



April 1, 2004

Advice Letter 2472-E/2472-E-A

Ms Anita Smith, Rate Analyst  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code 10B  
San Francisco, CA 94177

Subject: Revision to Schedule LS-2 – Customer-Owned Street and Highway Lighting – new rates

Dear Ms Smith:

Advice Letter 2472-E/2472-E-A is effective March 17, 2004. 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**

February 6, 2004

**ADVICE 2472-E**  
(Pacific Gas and Electric Company ID U39E)

**Karen A. Tomcala**  
Vice President  
Regulatory Relations

77 Beale Street, Room 1065  
San Francisco, CA 94105

*Mailing Address*  
Mail Code B10A  
P.O. Box 770000  
San Francisco, CA 94177

415.972.5209  
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**Subject: Revise Electric Streetlighting Schedule LS-2 to Add New 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-2--*Customer-Owned Street and Highway Lighting*, to add a Class A rate for 150 watt metal halide streetlights and a Class A rate for 85 watt QL Induction Highway Lighting.

**Background**

Currently, Schedule LS-2 includes rates for 70, 100, 400, and 1,000 watt metal halide lamps. A PG&E customer recently installed numerous 150 watt metal halide lamps. PG&E is adding a rate for such lamps to Schedule LS-2.

Caltrans has asked PG&E to establish a rate for an 85 watt induction lamp for use as highway lighting. Currently, there are no rates for induction lamps. Caltrans is implementing an immediate maintenance saving program by retrofitting a thousand or more locations. Caltrans intends to use induction lamps in new and existing installations to benefit from their energy savings over current lamps.

The methodology for calculating the new rates is cost based and is identical to that used to develop the existing Schedule LS-2 rates. The proposed Schedule LS-2 Class A rate for 150 watt metal halide lamps is \$8.144 per lamp per month and the proposed half-hour adjustment is \$0.362 per lamp per month. The proposed Schedule LS-2 Class A rate for 85 watt induction lamps is \$3.970 per lamp per month and the proposed half-hour adjustment is \$0.172 per lamp per month. The methodology used to calculate the new rates is detailed in Attachment II and III.

**Protests**

Anyone wishing to protest this filing may do so by sending a letter by **February 26, 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, 4<sup>th</sup> Floor  
San Francisco, California 94102

Facsimile: (415) 703-2200  
E-mail: [jjr@cpuc.ca.gov](mailto: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](mailto:RxDd@pge.com)

**Effective Date**

PG&E requests that this advice filing become effective on regular notice, **March 17, 2004**, which is 40 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 Sandra Ciach at (415) 973-7572. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>

Vice President - Regulatory Relations

Attachments

**ATTACHMENT I  
ADVICE 2472-E**

<u>Cal. P.U.C. Sheet No.</u>	<u>Title of Sheet</u>	<u>Canceling Cal P.U.C. Sheet No.</u>
21183-E	Schedule LS-2—Customer-Owned Street and Highway Lighting	21089-E
21184-E	Table of Contents – Rate Schedules (Cont'd.)	21106-E
21185-E	Table of Contents	21107-E



**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				
<b>HIGH PRESSURE SODIUM VAPOR LAMPS AT:</b>										
240 VOLTS										
70	34	5,800	\$4.476	\$5.435	\$5.892	\$0.195				
100	47	9,500	6.120	7.106	7.564	0.270				
150	69	16,000	8.903	9.916	10.373	0.397				
200	81	22,000	10.421	11.434	11.891	0.466				
250	100	25,000	12.824	13.865	14.322	0.575				
310	119	37,000	15.227	—	—	0.684				
400	154	46,000	19.654	20.694	21.152	0.885				
<b>LOW PRESSURE SODIUM VAPOR LAMPS:</b>										
35	21	4,800	\$2.832	—	—	\$0.121				
55	29	8,000	3.844	—	—	0.167				
90	45	13,500	5.867	—	—	0.259				
135	62	21,500	8.018	—	—	0.356				
180	78	33,000	10.041	—	—	0.448				
<b>METAL HALIDE LAMPS:</b>										
70	30	5,500	\$3.970	—	—	\$0.172				
100	41	8,500	5.362	—	—	0.236				
150	63	13,500	8.144	—	—	0.362 (N)				
400	162	30,000	20.666	—	—	0.931				
1,000	387	90,000	49.124	—	—	2.225				
<b>INDUCTION LAMPS:</b>										
85	30	4,800	\$3.970	—	—	\$0.172 (N)				
			Trans- mission	Distribu- tion	Public Purpose Programs	Genera- tion	Nuclear Decom- missioning	DWR Bond	Reliability Services	Total Rate
ENERGY CHARGE (\$ per kWh):			0.00292	0.02631	0.00324	0.08741	0.00049	0.00444	0.00167	0.12648
TRANSMISSION REVENUE BALANCING ACCOUNT ADJUSTMENT RATE \$ per kWh			(0.00052)	—	—	0.00052	—	—	—	0.00000

Lamp rates include a Base Charge for the actual cost of operating and maintaining the various lamp sizes and types and an energy charge of \$0.12648 per kWh. The energy charge is included in the per lamp charges listed above. The Base Charge is assigned to distribution, and equals the difference between the total charge per lamp per month and the product of \$0.12648 per kWh and the kWh per month listed above.

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## PACIFIC GAS AND ELECTRIC COMPANY

## Derivation of LS-2A Rate For a 150 Watt Metal Halide Streetlight

Trans + Rel.Svcs.+ TRBA Adj. Rate + TAC	\$0.00216	ENERGY COMPONENTS	
DISTRIBUTION	0.02683	EFFECTIVE: ----	4-1-03
PUBLIC PURPOSE PROGRAMS	0.00324		
GENERATION + DWR + Reg Asset	0.09376	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	0.00049	EFFECTIVE: ----	7-15-93
	<u>\$0.12648</u>		

LS-2A					
13,500 Lumens	63 KWHR/Mo.				
Metal Halide	LS-2A -- Fixed Charge	7-15-93	=		\$0.176
150 Watts	Base Energy Charge	4-1-03	=	0.12648 X	63 KWHR = 7.968
240 V	Total Rate				<u>\$8.144</u>
	1/2 Hr. Adj.	4-1-03	=	\$0.362	

## Inputs:

185 line watts (Source - Manufacturer's ballast specifications)

## Formula:

kWh/Month = Line Watts X 342 hours per month / 1,000

kWh / Mo. = 63

## 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 150 Watt Metal Halide Streetlight

Trans + Rel.Svcs.+ TRBA Adj. Rate + TAC	\$0.00216	ENERGY COMPONENTS	
DISTRIBUTION	0.02683	EFFECTIVE: ----	4-1-03
PUBLIC PURPOSE PROGRAMS	0.00324		
GENERATION + DWR + Reg Asset	0.09376	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	0.00049	EFFECTIVE: ----	7-15-93
	<u>\$0.12648</u>		

		LS-2A			
4,800 Lumens	30 KWHR/Mo.				
QL Induction	LS-2A -- Fixed Charge	7-15-93	=		\$0.176
85 Watts	Base Energy Charge	4-1-03	=	0.12648 X 30 KWHR =	<u>3.794</u>
240 V	Total Rate				\$3.970
	1/2 Hr. Adj.	4-1-03	=	\$0.172	

## Inputs:

89 line watts (Source - Philips Lighting)

## Formula:

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

$$\text{kWh / Mo.} = 30$$

## 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 Electric Advice Filing List  
General Order 96-A, Section III(G)**

ABAG Power Pool  
Aglet Consumer Alliance  
Agnews Developmental Center  
Ahmed, Ali  
Alcantar & Elsesser  
Anderson Donovan & Poole P.C.  
Applied Power Technologies  
APS Energy Services Co Inc  
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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 ISO  
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Davis, Wright, Tremaine, LLP  
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Department of Water & Power City  
Dept of the Air Force  
DGS Natural Gas Services  
DMM Customer Services  
Downey, Brand, Seymour & Rohwer  
Duke Energy  
Duke Energy North America

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Dutcher, John  
Dynegy Inc.  
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Hanna & Morton  
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Hogan Manufacturing, Inc  
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Imperial Irrigation District  
Integrated Utility Consulting Group  
International Power Technology  
J. R. Wood, Inc  
JTM, Inc  
Kaiser Cement Corp  
Korea Elec Power Corp  
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.  
New United Motor Mfg, Inc  
Norris & Wong Associates  
North Coast Solar Resources  
Northern California Power Agency  
PG&E National Energy Group  
Pinnacle CNG Company  
PPL EnergyPlus, LLC  
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Sempra Energy  
Sequoia Union HS Dist  
SESCO  
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