

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



March 9, 2004

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

Subject: Revise Electric Streetlighting Schedule LS-2 to Update Rates

Public Utilities Commission of the State of California

Pacific Gas and Electric Company (PG&E) hereby submits this supplemental filing for 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 updated rates for electric Schedule LS-2--*Customer-Owned Street and Highway Lighting*, filed in Advice 2472-E, to reflect rate changes following Advice 2465-E-A, which revised electric rates as required by Decision (D.) 04-02-062, in which the Commission acted on PG&E's January 20, 2004, "Motion for Approval of Rate Design Settlement" (RDSA) (I. 02-04-026).¹

On February 6, 2004, PG&E filed Advice 2472-E to add a Class A rate for 150 watt metal halide streetlights and a Class A rate for 85 watt QL Induction Highway Lighting to Schedule LS-2. This filing updates the rates filed in Advice 2472-E pursuant to the rate changes in Advice 2465-E-A, filed and effective March 1, 2004. This filing also incorporates LS-2 streetlight rates added in Advice 2480-E filed and effective March 5, 2004.

The calculations for the updated rates are detailed in Attachments II and III.

Protests – Shortened Protest Period Requested

No protests were received to Advice 2472-E. PG&E requests that anyone wishing to protest this supplemental filing do so by sending a letter on or before **March 17, 2004**, which is the approval date requested in Advice 2472-E. Protests must be limited to the subject of this supplemental filing. Protests should be mailed to:

¹ Advice 2465-E was filed January 26, 2004, in accordance with the Modified Settlement Agreement (MSA) entered into by the Commission, PG&E, and PG&E Corporation pursuant to D.03-12-035.



March 9, 2004

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

Since this filing simply updates rates to comport with filings subsequent to Advice 2472-G, PG&E requests that this advice filing become effective on **March 17, 2004**, which is the effective date requested in Advice 2472-E.

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-A**

<u>Cal. P.U.C. Sheet No.</u>	<u>Title of Sheet</u>	<u>Canceling Cal P.U.C. Sheet No.</u>
21507-E	Schedule LS-2—Customer-Owned Street and Highway Lighting	21504-E
21518E	Table of Contents – Rate Schedules (Cont'd.)	21505-E
21509-E	Table of Contents	21506-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	
HIGH PRESSURE SODIUM VAPOR LAMPS AT:							
120 VOLTS							
35	15	2,200	\$1.693	-	-	\$0.069	
50	21	3,300	2.300	-	-	0.097	
70	29	5,800	3.109	\$4.068	\$4.525	0.133	
100	41	9,500	4.323	5.309	5.766	0.097	
150	60	16,000	6.244	7.258	7.715	0.276	
200	80	22,000	8.267	-	-	0.368	
HIGH PRESSURE SODIUM VAPOR LAMPS AT:							
240 VOLTS							
50	24	3,300	\$2.603	-	-	\$0.110	
70	34	5,800	3.615	\$4.573	\$5.030	0.156	
100	47	9,500	4.929	5.915	6.373	0.216	
150	69	16,000	7.155	8.168	8.625	0.317	
200	81	22,000	8.368	9.381	9.839	0.368	
250	100	25,500	10.290	11.331	11.788	0.460	
310	119	37,000	12.212	-	-	0.547	
400	154	46,000	15.751	16.792	17.249	0.708	
LOW PRESSURE SODIUM VAPOR LAMPS:							
35	21	4,800	\$2.300	-	-	\$0.097	
55	29	8,000	3.109	-	-	0.133	
90	45	13,500	4.727	-	-	0.207	
135	62	21,500	6.447	-	-	0.285	
180	78	33,000	8.065	-	-	0.359	
METAL HALIDE LAMPS:							
70	30	5,500	\$3.210	-	-	\$0.138	
100	41	8,500	4.323	-	-	0.188	
150	63	13,500	6.548	-	-	0.290	
175	72	14,000	7.458	-	-	0.331	
400	162	30,000	16.561	-	-	0.745	
1,000	387	90,000	39.317	-	-	1.779	
INDUCTION LAMPS:							
85	30	4,800	\$3.210	-	-	\$0.138	

* Switching Service is closed to new installations.

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

(Continued)



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RATE SCHEDULES

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E-36	Small General Service to Oil and Gas Extraction Customers	21390 to 21393-E
E-37	Medium General Demand-Metered Time-of-Use Service to Oil and Gas Extraction Customers	21394,17108,21395,21396,21397,19315,21398,21399-E
ED	Experimental Economic Development Rate	20956,20957-E
E-CARE	CARE Program Service for Qualified Nonprofit Group-Living and Qualified Agricultural Employee Housing Facilities	21400-E
LIGHTING RATES		
LS-1	PG&E-Owned Street and Highway Lighting	21401,21402,21403,15395,15396,21404,21405-E
LS-2	Customer-Owned Street and Highway Lighting	21507,21504,21408,21409,15401,15402,15403,21410-E
LS-3	Customer-Owned Street and Highway Lighting Electroliner Meter Rate	21411,21412,15406,15407,21413-E
TC-1	Traffic Control Service	21414,21415,20763,21416-E
OL-1	Outdoor Area Lighting Service	21417,21418,21419,15413,20766,21420-E
OTHER		
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E-EXEMPT	Competition Transition Charge Exemption	16068,17116,16070,16071,16072,16073-E
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RATE SCHEDULES

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EM	Master-Metered Multifamily Service	21246,21247,21248,20648,21249,21250-E
ES	Multifamily Service	21251 to 21256-E
ESR	Residential RV Park and Residential Marina Service	21257,21258,21259,20657,21260,21261-E
ET	Mobilehome Park Service	21262 to 21267-E
E-7	Residential Time-of-Use Service	21268 to 21273-E
E-A7	Experimental Residential Alternate Peak Time-of-Use Service	21274 to 21279-E
E-8	Residential Seasonal Service Option	21280 to 21283-E
E-9	Experimental Residential Time-of-Use Service for Low Emission Vehicle Customers	20891,21284 to 21291-E
EL-1	Residential CARE Program Service	21292 to 21296-E
EML	Master-Metered Multifamily CARE Program Service	21297 to 21301-E
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EL-7	Residential CARE Program Time-of-Use Service	21320 to 21325-E
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E-20	Service to Customers with Maximum Demands of 1,000 Kilowatts or More	21372 to 21377,19314,20736,21378,18044,20942,18867,15356,21379,15358,20513, 21380,21381,21382,20944,17101,20945,21383-E

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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	\$0.00418	ENERGY COMPONENTS	
DISTRIBUTION	0.02631	EFFECTIVE: ----	4-1-04 (Bankruptcy Settlement Agreement Rates)
PUBLIC PURPOSE PROGRAMS	0.00324		
GENERATION + DWR + Reg Asset	0.06692	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	0.00049	EFFECTIVE: ----	7-15-93
	<u>\$0.10114</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	4-1-04 (B: =	0.10114 X	63 KWHR =	<u>6.372</u>
240 V	Total Rate				\$6.548
	1/2 Hr. Adj.	4-1-04 (B: =	\$0.290		

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	\$0.00418	ENERGY COMPONENTS	
DISTRIBUTION	0.02631	EFFECTIVE: ----	4-1-04 (Bankruptcy Settlement Agreement Rates)
PUBLIC PURPOSE PROGRAMS	0.00324		
GENERATION + DWR + Reg Asset	0.06692	FIXED CHARGES	
NUCLEAR DECOMMISSIONING	0.00049	EFFECTIVE: ----	7-15-93
	<u>\$0.10114</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	4-1-04 (Bz =	0.10114 X	30 KWHR =	<u>3.034</u>
240 V	Total Rate				\$3.210
	1/2 Hr. Adj.	4-1-04 (Bz =	\$0.138		

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	Duncan, Virgil E.	Sempra Energy
Aglet Consumer Alliance	Dutcher, John	Sequoia Union HS Dist
Agnews Developmental Center	Dynergy Inc.	SESCO
Ahmed, Ali	Ellison Schneider	Sierra Pacific Power Company
Alcantar & Elsesser	Energy Law Group LLP	Silicon Valley Power
Anderson Donovan & Poole P.C.	Enron Energy Services	Simpson Paper Company
Applied Power Technologies	Exeter Associates	Smurfit Stone Container Corp
APS Energy Services Co Inc	Foster, Wheeler, Martinez	Southern California Edison
Arter & Hadden LLP	Franciscan Mobilehome	SPURR
Avista Corp	Future Resources Associates, Inc	St. Paul Assoc
Barkovich & Yap, Inc.	GLJ Energy Publications	Stanford University
BART	Goodin, MacBride, Squeri, Schlotz &	Sutherland, Asbill & Brennan
Bartle Wells Associates	Grueneich Resource Advocates	Tabors Caramanis & Associates
Blue Ridge Gas	Hanna & Morton	Tansev and Associates
Bohannon Development Co	Heeg, Peggy A.	Tecogen, Inc
BP Energy Company	Hogan Manufacturing, Inc	TFS Energy
Braun & Associates	House, Lon	TJ Cross Engineers
C & H Sugar Co.	Imperial Irrigation District	Transwestern Pipeline Co
CA Bldg Industry Association	Integrated Utility Consulting Group	Turlock Irrigation District
CA Cotton Ginners & Growers Assoc.	International Power Technology	United Cogen Inc.
CA League of Food Processors	J. R. Wood, Inc	URM Groups
CA Water Service Group	JTM, Inc	Utility Cost Management LLC
California Energy Commission	Kaiser Cement Corp	Utility Resource Network
California Farm Bureau Federation	Korea Elec Power Corp	Wellhead Electric Company
California ISO	Marcus, David	Western Hub Properties, LLC
Calpine	Masonite Corporation	White & Case
Calpine Corp	Matthew V. Brady & Associates	WMA
Calpine Gilroy Cogen	Maynor, Donald H.	
Cambridge Energy Research Assoc	McKenzie & Assoc	
Cameron McKenna	McKenzie & Associates	
Cardinal Cogen	Meek, Daniel W.	
Cellnet Data Systems	Mirant California, LLC	
Childress, David A.	Modesto Irrigation Dist	
City of Glendale	Morrison & Foerster	
City of Healdsburg	Morse Richard Weisenmiller & Assoc.	
City of Palo Alto	New United Motor Mfg, Inc	
City of Redding	Norris & Wong Associates	
CLECA Law Office	North Coast Solar Resources	
Constellation New Energy	Northern California Power Agency	
CPUC	PG&E National Energy Group	
Creative Technology	Pinnacle CNG Company	
Crossborder Inc	PPL EnergyPlus, LLC	
CSC Energy Services	Price, Roy	
Davis, Wright Tremaine LLP	Product Development Dept	
Davis, Wright, Tremaine, LLP	Provost Pritchard	
Defense Fuel Support Center	R. M. Hairston & Company	
Department of the Army	R. W. Beck & Associates	
Department of Water & Power City	Recon Research	
Dept of the Air Force	Regional Cogeneration Service	
DGS Natural Gas Services	RMC Lonestar	
DMM Customer Services	Sacramento Municipal Utility District	
Downey, Brand, Seymour & Rohwer	SCD Energy Solutions	
Duke Energy	Seattle City Light	
Duke Energy North America	Sempra	