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COUNCIL MEETING  
APRIL 2, 1986

ELECTRICAL RATE  
COMPARISON

CC-51 (d)

At its regular meeting of March 19, 1986, the City Council briefly discussed the matter of electrical rates as charged by both the City of Lodi and the Pacific Gas and Electric Company. The staff was directed to present data supporting the statement that rates, and as a result, actual bills received by consumers, are approximately 15% lower for customers served by the City of Lodi versus customers served by P. G & E. Electrical Utility Director Henry Rice presented an analysis of the rate structures of both utilities and the ultimate result on the actual electric bill and responded to questions as were posed by members of the Council.

## COUNCIL COMMUNICATIO

TO THE CITY COUNCIL  
FROM: THE CITY MANAGER'S OFFICE

DATE  
March 26, 1986

NO.

SUBJECT: ELECTRICAL RATE COMPARISON

RECOMMENDED ACTION: None required. Information only.

BACKGROUND INFORMATION: At its regular meeting of March 19, 1986, the City Council briefly discussed the matter of electrical rates as charged by both the City of Lodi and Pacific Gas & Electric Co. The staff was directed to present data supporting the statement that rates, and as a result, actual bills received by consumers, are approximately 15% lower for customers served by the City of Lodi versus customers served by PG&E. Electric Utility Director Henry Rice has prepared a brief analysis of the rate structures of both utilities and the ultimate result on the actual electric bill. A copy of this report is enclosed elsewhere in this agenda packet. The Electric Utility Director will be in attendance at Wednesday night's meeting to answer any questions Councilmembers may have.

Respectfully submitted,



Thomas A. Peterson  
City Manager

TAP/lh

1986

RESIDENTIAL RATE COMPARISON

City of Lodi vs. Pacific Gas & Electric

1986

RESIDENTIAL RATE COMPARISON

CITY OF LODI

Vs.

PACIFIC GAS & ELECTRIC CO.

Existing Residential Rate "EA"  
(Copy Attached)

Existing Residential Rate "D-1"  
(Copy Attached)

RATE COMPARISON BASIC ASSUMPTIONS:

1. Average annual usage based on assumptions below would be 550 kilowatt-hours per month.

This assumption is supported by the PG&E 1985 Annual Report, page 42, which states that Average Annual Residential Consumption is 544 kilowatt-hours per month.

2. Energy usage varying between 350 kilowatt-hours per month as a low usage during winter to 800 kilowatt-hours per month as a maximum usage during the summer.
3. Typical Family Residence:
  - a. Approximately 3 family members.
  - b. Two-bedroom home.
  - c. Approximately 1,500 square feet living space.
  - d. No electric heat.
  - e. Air conditioning and normal electrical appliances, including washer and drier.

CITY OF LODI

PACIFIC GAS & ELECTRIC COMPANY

Residential Rate "EA" (Effective March 1, 1985)  
Adopted by City Council Ordinance No. 1348.

Residential Rate "D-1" (Effective March 13, 1986)  
Approved by California Public Utility Commission  
February 18, 1986 (Territory S = San Joaquin County).

RATE APPLICATION: Average 550 kwhr./month.

RATE APPLICATION: Average 550 kwhr./month.

Summer

Summer

First	440 kwhr.	@ \$0.04864/kwhr.	= \$21.40
Remaining	110 kwhr.	@ 0.07677/kwhr.	= 8.44
*Fuel Cost Adjustment		@ 0.01000/kwhr.	= 5.50
State Energy Resources Surcharge		@ 0.00020/kwhr.	= <u>0.11</u>
Total:			\$35.45

First	440 kwhr.	@ \$0.06976/kwhr.	= \$30.6
Remaining	110 kwhr.	@ 0.09069/kwhr.	= 9.98
*Fuel Cost Adjustment included above			= 0.00
State Energy Resources Surcharge		@ 0.00020/kwhr.	= <u>0.11</u>
Total:			\$40.78

Winter

Winter

First	440 kwhr.	@ \$0.04864/kwhr.	= \$21.40
Remaining	110 kwhr.	@ 0.07677/kwhr.	= 8.44
*Fuel Cost Adjustment		@ 0.01000/kwhr.	= 5.50
State Energy Resources Surcharge		@ 0.00020/kwhr.	= <u>0.11</u>
Total:			\$35.45

First	350 kwhr.	@ \$0.06976/kwhr.	= \$24.42
Remaining	200 kwhr.	@ 0.09069/kwhr.	= 18.14
*Fuel Cost Adjustment included above			= 0.00
State Energy Resources Surcharge		@ 0.00020/kwhr.	= <u>0.11</u>
Total:			\$42.67

Summer/Winter Average: \$35.45

Summer/Winter Average: \$41.73

\*Fuel Cost Adjustment represents variable fuel cost only and will fluctuate from time to time based upon the fuel usage in the mix of resources supplying Lodi. (Our resource mix covers 21 MW Geothermal, 13.5 MW WAPA, 43 MW Gas Turbine, plus Partial Requirements from PG&E and other purchases.)

\* Fuel Cost Adjustment is incorporated into the PG&E rate which changes approximately every three months.

CONCLUSION: CITY OF LODI Residential Rate is 15% Lower Than PG&E at 550 kwhr. Usage.

# PG&E "D1" rate vs. City of Lodi "EA"

Legend:

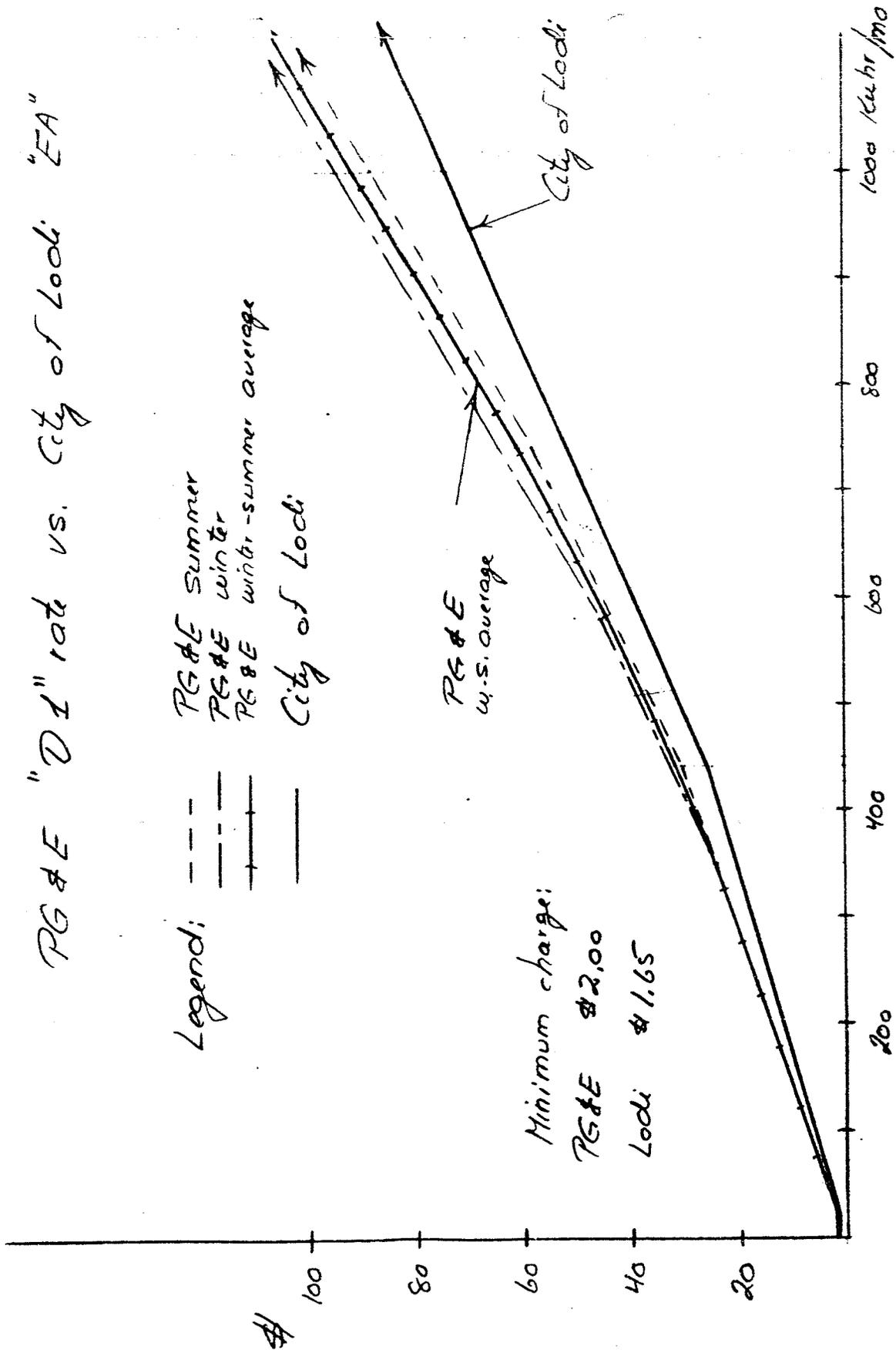
- PG&E Summer
- - - PG&E Winter
- + - PG&E winter-summer average
- City of Lodi

PG&E  
w.s. average

Minimum charge:

PG&E \$2.00

Lodi \$1.65



3/27/86

PG&E Rate D 1

Territory 'S'

Tier I                      Tier II                      Tier III  
 Summer: 0-440 Kwhr/mo.      440-740 Kwhr/mo      740 Kwhr/mo. →  
 Winter: 0-350 Kwhr/mo.      350-580 Kwhr/mo.      580 Kwhr/mo. →

Tier I: \$ .06976 + .0002 = \$ .06996 / Kwhr

Tier II: \$ .09069 + .0002 = \$ .09089 / Kwhr

Tier III: \$ .11789 + .0002 = \$ .11809 / Kwhr

Minimum monthly charge \$2.00

Kwhr/mo.	Summer (S)	Winter (W)	W. - S. Average	% diff (Lodi/PG&E Aug)	Comparison to PG&E winter (current rate)
0	\$ 2.00	\$ 2.00	\$ 2.00	-17.5%	-17.5%
350	24.47	24.47	24.47	-15.86%	-15.86%
440	30.78	32.67	31.73	-18.41%	-20.75%
550	40.78	42.66	41.72	-15.00%	-16.88%
580	43.51	45.39	44.45	-14.35%	-16.13%
740	58.05	64.29	61.17	-15.02%	-19.15%
1000	88.75	94.99	91.87	-18.81%	-21.48%

City of Lodi "EA"

Year round: 0-440 Kwhr/mo. ⇒ \$ .04864 + .010 + .0002 = \$ .05884 / Kwhr

440 Kwhr/mo. → ⇒ \$ .57677 + .010 + .0002 = \$ .08697 / Kwhr

Kwhr/mo.	\$	Kwhr/mo.	\$
0	1.65	580	38.07
350	20.59	740	51.98
440	25.89	1000	74.59
550	35.46		

Minimum = \$ 1.65 / mo

SCHEDULE EA

DOMESTIC SERVICE

APPLICABILITY:

Domestic service is applicable to domestic lighting, heating, cooking and single-phase domestic power service in single-family dwellings and in flats and apartments separately metered by the City and to single-phase service used in common for residential purposes by tenants in multi-family dwellings.

RELIABILITY:

The City will endeavor at all times to provide a regular and uninterrupted supply of service, but in case the supply of service shall be interrupted or irregular or defective or fail from causes beyond its control or through ordinary negligence of employees, servants or agents, the City will not be liable.

RATES:

	<u>Per Meter</u> <u>Per Month</u>
<u>Minimum Charge:</u> . . . . .	\$1.65
<u>Energy Charge:</u>	
First 440 kwhr, per kwhr . . . . .	.04864
Over 440 kwhr, per kwhr . . . . .	.07677

Fuel Cost Adjustment:

A fuel cost adjustment will be included in each bill for service. The adjustment amount shall be the product of the total kilowatt hours for which the bill is rendered times the adjustment amount per kilowatt hour. The adjustment amount per kilowatt hour will be calculated to recover fuel cost amounts charged the City by the Pacific Gas and Electric Co., Northern California Power Agency and other suppliers of bulk power.

SPECIAL CONDITIONS:

- (a) When a business or commercial establishment is conducted in conjunction with a residence and both are measured through one meter, this rate does not apply.
- (b) Service on this schedule will be supplied at the single-phase secondary voltage available - either 120/240 or 120/208 volts.

Effective March 1, 1985

Ordinance No. 1348



Pacific Gas and Electric Company  
San Francisco, California

Issued Cal P.U.C. Sheet No. 9419-E  
Cancelling Revised Cal P.U.C. Sheet No. 9344-E

**SCHEDULE D-1 -- RESIDENTIAL SERVICE**

**APPLICABILITY:** This schedule is applicable to single-phase residential service in single-family dwellings and in flats and apartments separately metered by the Utility; to single-phase service in common areas in a multifamily complex; and to all single-phase farm service on the premises operated by the person whose residence is supplied through the same meter.

**TERRITORY:** The entire territory served.

**RATES:**

<b>ENERGY CHARGE</b>		Per Meter
TIER I	BASELINE QUANTITIES, per kWh .....	Per Month
TIER II	TIER II QUANTITIES, per kWh .....	\$0.6976
TIER III	EXCESS, per kWh .....	\$0.9069
		\$1.1789

MINIMUM CHARGE: \$2.00.

**ENERGY CHARGE COMPONENTS:** The Energy Charges include the following Energy Charge Components:

<b>BASE RATES:</b>		Per kWh	
Base Energy Charge .....		\$0.4395	
Annual Energy Rate .....		.00254 (R)	
Conservation Financing Adjustment .....		.00017	
Solar Financing Adjustment .....		.00008	
Residential Conservation Services Adjustment ..		.00004	
Diablo Canyon Adjustment Clause .....		.00578	
Base Rate Subtotal .....		\$0.5256 (R)	
<b>ADJUSTMENT RATES</b>			
Energy Cost Adjustment Clause .....	Tier I	Tier II	Tier III
CPUC Reimbursement Fee .....	\$0.01708 (1)	\$0.03801 (1)	\$0.06521 (1)
Adjustment Rate Subtotal .....	.00012	.00012	.00012
	\$0.01720 (1)	\$0.03813 (1)	\$0.06533 (1)

**SPECIAL CONDITIONS:**

1. **ANNUAL CONTRACT:** For customers who use service for only part of the year, this schedule is applicable only on an annual contract.
2. **BASELINE RATES:** Baseline rates are applicable only to separately-metered residential use. The Utility may require the customer to complete and file with it a Declaration of Eligibility for Baseline Residential Rates.
3. **TIER I (BASELINE) AND TIER II QUANTITIES:** The following quantities of electricity are to be billed at the rates for baseline and Tier II use:

Baseline Territory	BASELINE AND TIER II QUANTITIES (kWh PER MONTH)							
	Code B - Basic Quantities				Code H - All-Electric Quantities			
	Summer		Winter		Summer		Winter	
	Tier I	Tier II	Tier I	Tier II	Tier I	Tier II	Tier I	Tier II
P	440	300	360	250	660	420	1,280	790
Q	220	150	330	210	620	310	1,190	640
R	520	400	350	250	740	510	1,200	700
S	440	300	350	230	660	420	1,200	700
T	220	150	250	170	620	310	960	540
V	290	190	340	210	740	340	1,160	650
W	540	460	320	210	800	650	1,000	660
X	310	210	330	210	400	360	1,190	640
Y	350	250	360	250	620	310	1,280	790
Z	250	230	400	300	750	320	1,450	880

\*The applicable baseline territory is described in Part A of the Preliminary Statement.

4. **ALL-ELECTRIC QUANTITIES (Code H):** All-electric quantities are applicable to service to customers with permanently-installed electric heating as the primary heat source. All-electric quantities are also applicable to service to customers of record as of November 15, 1984, to whom the former Code W (Basic plus Water Heating) lifeline allowance was applicable on May 15, 1984, and who thereafter maintain continuous service at the same location under this schedule.

(Continued)

Advice Letter No. 1102-E  
Decision No. 86-01-054

Issued by  
**STEPHEN P. REYNOLDS**  
Vice President  
Rates

Date Filed February 18, 1986  
Effective March 12, 1986  
Resolution No. \_\_\_\_\_



Pacific Gas and Electric Company  
San Francisco, California

Revised Cal. P.U.C. Sheet No. 9262-E  
Cancelling Revised Cal. P.U.C. Sheet No. 8944-E

SCHEDULE D-1 -- RESIDENTIAL SERVICE (Cont'd.)

SPECIAL CONDITIONS: (Cont'd.)

5. Summer and winter Tier I (baseline) and Tier II quantities will normally be billed without seasonal proration for six consecutive billing periods beginning in the middle of the May and November billing cycles as described in Rule 9.

6. STANDARD MEDICAL QUANTITIES (Code M - Basic Plus Medical Quantities, Code S - All-Electric Plus Medical Quantities): Additional medical quantities are available as provided in Rule 13.

(D)

Advice Letter No. 1090-E  
Decision No.

Issued by  
**STEPHEN P. REYNOLDS**  
Vice President  
Rates

Date Filed September 23, 1985  
Effective November 2, 1985  
Resolution No. \_\_\_\_\_

PRELIMINARY STATEMENT I (Cont'd.)

2. TYPE OF SERVICE: Alternating current for lighting, heating, cooking and miscellaneous service will be 60 cycle, single-phase, two- or three-wire service, 120 and 240 volts; except that for loads exceeding certain limits set forth in Rule No. 2, three phase will be supplied.  
Alternating current power service will be single-phase or three-phase 120 volts, 240 volts and 480 volts.  
Alternating current power service for motor installations of 7½ horsepower or over, in general will be three-phase; for installations of less than 7½ horsepower service will be single-phase except that motor installations of three horsepower or more capacity may be supplied with three-phase service under the General Service, General Power or Agricultural Power Schedules.  
All voltages referred to above are nominal voltages, the actual voltage varying with local conditions.
3. PROCEDURE TO OBTAIN SERVICE: Any person or corporation whose premises are adjacent to the Utility's distributing lines can obtain service by first signing an application (or, in certain classes of service as shown by these schedules, a contract) on the regular form used by the Utility at the time and for the particular class of service desired. Applicant will be required to make satisfactory establishment of credit as hereinafter set forth. Where an extension of the Utility's lines is necessary, or a substantial investment is required to supply service, applicant will, upon application to the Utility, be informed as to the conditions under which service will be supplied. Applicants for service must also bring themselves within and comply with the establishment rules of the Utility hereinafter given.
4. ESTABLISHMENT OF CREDIT AND DEPOSITS: After making proper application for electric service, it will be necessary, before this service can be rendered, for applicant to establish his credit with the Utility in accordance with Rule No. 6 hereinafter set forth.  
When credit is established by making a cash deposit, such deposit shall be made in accordance with Rule No. 7 as contained in the Rules hereinafter set forth.
5. GENERAL:
  - a. Measurement of Electric Energy: Unless otherwise provided in the applicable tariff schedules, all electric energy supplied to customers by the Utility will be measured by means of suitable standard electric meters except where energy supplied to highway sign lighting, traffic control devices, communication system amplifiers or other loads can be accurately determined from load and operating time or other relevant data and where, in the opinion of the Utility, the installation of a meter is impractical.
  - b. Discounts: All rates hereinafter listed are net rates and are not subject to discount, unless specifically stated on the schedule.
  - c. Discounts for Advances by Customers: No discounts in unit rates are allowed in consideration of customers advancing funds.
  - d. Lamp Service: The Pacific Gas and Electric Company does not supply free lamp renewals for commercial or residence lighting.
  - e. Standard Riders: No standard riders are used by the Pacific Gas and Electric Company.
6. SERVICE IN CITIES AND TOWNS NOT GENERALLY SERVED BY THE UTILITY: In territory where Utility supplies electric service to customers situated within the limits of an incorporated city or town not generally supplied with electric service by the Utility, the service will be billed in accordance with the provisions of the applicable system-wide schedule.
7. SYMBOLS: When any change is proposed on any tariff schedule, attention shall be directed to such change by an appropriate character along the right-hand margin of the official copies filed with the Commission, utilizing the following symbols:
  - (C) To signify changed listing, rule, or condition which may affect rates or charges
  - (D) To signify discontinued material, including listing, rate, rule or condition
  - (I) To signify increase
  - (L) To signify material relocated from or to another part of tariff schedules with no change in text, rate, rule or condition
  - (N) To signify new material including listing, rate, rule or condition
  - (R) To signify reduction
  - (T) To signify change in wording of text but not change in rate, rule or condition

(Continued)

Advice Letter No. 983-E (Supplemental)  
Decision No. \_\_\_\_\_

Issued By  
W. M. Gallavan  
Vice-President

Date Filed Dec. 2, 1983  
Effective Jan. 1, 1984  
Resolution No. \_\_\_\_\_



Pacific Gas and Electric Company  
San Francisco, California

Revised Cal. P.U.C. Sheet No. 9319-E  
Cancelling Revised Cal. P.U.C. Sheet No. 8592-E

PRELIMINARY STATEMENT

A. DESCRIPTION OF SERVICE

1. TERRITORY SERVED BY THE COMPANY:

- a. The Pacific Gas and Electric Company supplies electric service in all or portions of 47 counties in the northern and central part of the State of California.  
b. The baseline territories used in the residential rate schedules are shown below for each county. Specific boundaries may be drawn to avoid dividing communities or neighborhoods. (N)

COUNTY	Locations, Elevation Range (or Description at c. Below)	Baseline Territory Code
ALAMEDA	c.(1)(S)	S
	c.(1)(T)	T
	All Other	X
ALPINE*	All	Z
	Under 1,500'	S (N)
	1,500'-3,000'	P (N)
	3,001'-6,000'	Y
AMADOR	Over 6,000'	Z
	Under 1,500'	S (N)
	1,500'-3,000'	P (N)
	3,001'-4,800'	Y
BUTTE	Over 4,800'	Z
	Under 1,500'	S (N)
	1,500'-3,000'	P (N)
	3,001'-4,800'	Y
CALAVERAS	Over 4,800'	Z
	Under 1,500'	S (N)
	1,500'-3,000'	P (N)
	3,001'-6,000'	Y
COLUSA	Over 6,000'	Z
	All	S
	c.(2)(S)	S
	c.(2)(T)	T
CONTRA COSTA	All Other	X
	Under 1,500'	S (N)
	1,500'-3,000'	P (N)
	3,001'-6,000'	Y
EL DORADO*	Over 6,000'	Z
	Under 3,500'	R
	3,501'-6,500'	Y
	Over 6,500'	Z
FRESNO*	Under 3,000'	S
	Over 3,000'	Y
	c.(3)(V)	V
	All Other	Y
KERN*	Under 1,000'	W
	Over 1,000'	R
	All	W
	All	X
KINGS*	Under 4,800'	Y
	Over 4,800'	Z
	Under 4,000'	R
	4,001'-6,500'	Y
LAKE LASSEN*	Over 6,500'	Z
	c.(4)(T)	T
	All Other	X
	Under 3,500'	R
MADERA*	3,501'-6,000'	Y
	Over 6,000'	Z
	c.(5)(T)	T
	All Other	X
MARIPOSA	All	R
	c.(6)(T)	T
	All Other	X
	All	X
MENDOCINO	Under 1,500'	S (N)
	1,500'-3,000'	P (N)
	3,001'-5,500'	Y
	Over 5,500'	Z

\*Pertains to PG&E electric service area only.

Territories P and Q are effective for bills based on meter readings on and after December 20, 1985.

(N)  
(N)  
(Continued)

Advice Letter No. 1096-E  
Decision No. 85-12-080

Issued by  
**STEPHEN P. WYNOLDS**  
Vice President  
RATS

Date Filed December 20, 1985  
Effective December 25, 1985  
Resolution No. \_\_\_\_\_



Pacific Gas and Electric Company  
San Francisco, California

Revised  
Cancelling Revised

Cal. P.U.C. Sheet No. 9320-E  
Cal. P.U.C. Sheet No. 8592-E

PRELIMINARY STATEMENT

A. DESCRIPTION OF SERVICE  
1. TERRITORY SERVED BY THE COMPANY: (CONT'D.)

COUNTY	Locations, Elevation Range (or Description at c. Below)	Baseline Territory Code
PLACER*	Under 1,500'	S (N)
	1,500'-3,000'	P (N)
	3,001'-5,500'	Y (N)
	Over 5,500'	Z
PLUMAS*	Under 4,800'	Y
	Over 4,800'	Z
SACRAMENTO	All	S
SAN BENITO	c.(7)(T)	T
	All Other	X
SAN FRANCISCO	All	T
SAN JOAQUIN	All	S
SAN LUIS OBISPO	c.(8)(R)	R
	c.(8)(T)	T
	All Other	X
SAN MATEO	c.(9)(T)	T
	c.(9)(Q)	Q (N)
	All Other	X
SANTA BARBARA*	c.(10)(R)	R
	c.(10)(T)	T
	All Other	X
SANTA CLARA	c.(11)(Q)	Q (N)
	All Other	X
SANTA CRUZ	Under 1,500'	T
SHASTA	1,500' & Over	Q (N)
	Under 2,000'	R
	2,001'-4,500'	Y
SIERRA	Over 4,500'	Z
	Under 5,500'	Y
	Over 5,500'	Z
SISKIYOU*	Under 4,500'	Y
	Over 4,500'	Z
SOLANO	c.(12)(X)	X
	All Other	S
SONOMA	c.(13)(T)	T
	All Other	X
STANISLAUS	All	S
SUTTER	All	S
TEHAMA	Under 2,500'	R
	2,501'-4,800'	Y
	Over 4,800'	Z
TRINITY	Under 2,000'	X
	2,001'-4,500'	Y
	Over 4,500'	Z
TULARE*	Under 1,000'	W
	1,001'-3,500'	R
	3,501'-6,500'	Y
	Over 6,500'	Z
TUOLUMNE*	Under 1,500'	S (N)
	1,500'-3,500'	P (N)
	3,501'-6,000'	Y
	Over 6,000'	Z
YOLO	All	S
YUBA	Under 1,500'	S (N)
	1,500' & Over	P (N)

\*Pertains to PGandE electric service area only.  
Territories P and Q are effective for bills based on meter readings on and after December 20, 1985. (N)  
(N)

(Continued)

Advice Letter No. 1096-E  
Decision No. 85-12-080

Issued by  
**STEPHEN P. REYNOLDS**  
Vice President  
Rates

Date Filed December 20, 1985  
Effective December 25, 1985  
Resolution No. \_\_\_\_\_