

Decision No. 13397.

BEFORE THE RAILROAD COMMISSION OF THE STATE OF CALIFORNIA.

City and County of San Francisco,
a municipal corporation,
Complainant,

vs.

Great Western Power Company of
California, a corporation,
Defendant.

Case No. 2143.

City and County of San Francisco,
a municipal corporation,
Complainant,

vs.

Pacific Gas and Electric Company,
a corporation,
Defendant.

Case No. 2144.

City of Oakland, a municipal corpor-
ation,
Complainant,

vs.

Great Western Power Company of Cali-
fornia,
Defendant.

Case No. 2153.

City of Oakland, a municipal corpor-
ation,
Complainant,

vs.

Pacific Gas and Electric Company,
a corporation,
Defendant.

Case No. 2154.

City of Berkeley, a municipal corporation,
Complainant,

vs.

Pacific Gas and Electric Company,
a corporation,
Defendant.

Case No. 2189.

City of Berkeley, a municipal corporation,
Complainant,

vs.

Great Western Power Company of
California,
Defendant.

Case No. 2190.

City of Piedmont, a municipal corporation,
Complainant,

vs.

Pacific Gas and Electric Company,
a corporation,
Defendant.

Case No. 2200.

City of Piedmont, a municipal corporation,
Complainant,

vs.

Great Western Power Company of
California,
Defendant.

Case No. 2201.

In the matter of an investigation on the Commission's own motion into the reasonableness of the rates and charges of the Pacific Gas and Electric Company for electrical service.

Case No. 2225.

In the matter of an investigation on the Commission's own motion into the rates and charges of Great Western Power Company of California, for electricity.

Case No. 2235.

John J. Dailey, for the City and County of San Francisco,
 John J. O'Toole, for the City and County of San Francisco,
 Leon E. Gray, for the City of Oakland,
 C. P. Cutten, for Pacific Gas and Electric Company,
 Guy C. Earl and Chaffee E. Hall, by Chaffee E. Hall, for the Great Western Power Company,
 J. J. Deuel and L. S. Wing, by L. S. Wing, for California Farm Bureau Federation.

SEAVEY, COMMISSIONER:

O P I N I O N

At a public hearing on January 17, 1928, in the above entitled proceedings, the defendant electric companies announced their willingness to make voluntary reductions in certain of their schedules. After a continuance of about a month the defendant companies have presented revised schedules at a public hearing on February 21, 1928.

The principal effect of the proposed changes in schedule is a material reduction in the rates to domestic and residential consumers, particularly in the portions of the schedules affecting the cost of operation of electrical appliances and household

devices. The reason advanced for such a reduction is two fold, the present reduction is largely made possible by the growth of this class of consumption, and the desirability of encouraging still further growth by reduction in rate.

In addition to these more important benefits the proposed changes will result in a reduction in rates to substantially all lighting consumers, and also in minor increases of a few cents per month in the bills of a limited number of consumers. On the whole, the proposed change represents a saving to consumers of nearly \$2,000,000. per year.

At the hearing at which the schedules were presented, no objection was voiced to the introduction of the proposed schedules themselves. Representatives of the cities objected to a final dismissal of the complaints on the ground that, while the proposed reduction was very acceptable, no showing had been made that it was sufficient.

Representatives of the Farm Bureau proposed a new rate for agricultural pumping service which eliminates optional rates now in effect, opens the schedule to new types of service and effects a general reduction in rate, though a few consumers might find their bills slightly increased as a result of the elimination of the option.

There is included in the order accompanying this opinion a new schedule which eliminates the present option and provides a new rate structure which slightly increases a few consumers and reduces to some extent the rates of the majority of agricultural power users. This change offers many advantages over the present system of optional rates and is all that is justified by the evidence so far before the Commission.

Presentation of evidence in these proceedings has not progressed to the point where the Commission may determine whether the proposed reductions are all that should be made, or whether groups of consumers not affected by the proposed changes have been fairly dealt with. We have the opportunity, however, of giving immediate assent to a change in rates that injures no one, but benefits a large group of consumers to the extent of over a hundred and fifty thousand dollars a month. The present proceedings should be continued to determine the questions that have been raised, but, in the meantime, and subject to any changes that may later be found desirable, the proposed rates should become effective with the least possible delay.

I recommend the following form of order:

O R D E R

Pacific Gas and Electric Company and Great Western Power Company of California having applied to the Railroad Commission for authority to make effective certain schedules, and the Railroad Commission being of the opinion that such authority should be given, subject to certain provisions, and that the above entitled matters should be continued for further hearing and final decision,

IT IS HEREBY ORDERED that

1. Effective with bills based on regular monthly meter readings taken on and after March 1, 1928, Pacific Gas and Electric Company and Great Western Power Company of California may charge and collect for electric service in accordance with the schedules of rates set forth in Exhibit "A" attached hereto and made a part hereof.
2. Effective with bills based on regular monthly meter readings taken on and after April 1, 1928, Pacific Gas and Electric Company and Great Western Power Company of California may charge and collect for electric service in accordance with the schedules of rates set forth in Exhibit "B" attached hereto and made a part hereof.

3. Nothing in this order shall be taken as a finding by this Commission that these schedules or rates, or any of them, are just and reasonable, or that no other changes should be made in the existing schedules of electric rates of Pacific Gas and Electric Company and Great Western Power Company of California.
4. The above entitled proceedings shall remain open for further hearing and such further order or orders as may seem proper.

For all other purposes the effective date of this order shall be March 15, 1928.

The foregoing opinion and order are hereby approved and ordered filed as the opinion and order of the Railroad Commission of the State of California.

Dated at San Francisco, California, this 23rd day of February, 1928.

Leon Whalley

C. Seamy

Thos. J. Roettig

M. J. Carr

Commissioners.

EXHIBIT "A"

SCHEDULE L-1

(Cancelling Schedule L-1 Now in Effect)

GENERAL LIGHTING SERVICE:

Applicable to general domestic and commercial lighting service, including household appliances and small power service.

TERRITORY:

Applicable to service within the incorporated limits of San Francisco, Oakland, Berkeley, Piedmont, Emeryville, San Leandro and Albany.

RATE:

Service charge per meter per month	40¢
Energy charge (to be added to Service Charge)	
First 200 kwh. per meter per month	5¢ per kwh.
Next 800 " " " " "	4¢ " "
Next 2000 " " " " "	3¢ " "
All over 3000 " " " " "	2½¢ " "

Minimum charge: The Service charge set forth above constitutes the minimum charge for no consumption of energy.

SPECIAL CONDITIONS:

(a) Single phasemotors of an aggregate capacity of 5 hp. or less may receive service or may be combined with general lighting service under this schedule at the option of the consumers, provided, in case of combination service, the total energy is supplied through one meter. The minimum charge applicable to this combination service shall be the same as that set forth above.

(b) In San Francisco only, motors of an aggregate capacity in excess of 5 hp. may receive service or may be combined with general lighting service under this schedule at the option of the consumer, provided, in case of combination service, the total energy is supplied through one meter, in which case the total minimum charge will be 90¢ per hp. per month of motor load connected. Combination will not be made between A.C. and D.C. service. Single phase and polyphase will not be combined unless obtainable from the same service wires.

(c) The Company has the option of refusing D.C. service where both A.C. and D.C. are available.

SCHEDULE L-2

(Cancelling Schedule L-2 Now in Effect)

GENERAL LIGHTING SERVICE:

Applicable to general domestic and commercial lighting service, including household appliances and small power service.

TERRITORY:

Applicable to service within all incorporated limits served by the Company, except San Francisco, Oakland, Berkeley, Piedmont, Emeryville, San Leandro and Albany.

RATE:

Service charge per meter per month		50¢
Energy charge (to be added to Service charge)		
First 200 Kwh. per meter per month		5¢ per kwh.
Next 800 " " " " "		4¢ " "
Next 2000 " " " " "		3¢ " "
All over 3000 " " " " "		2¢ " "

Minimum charge: The Service charge set forth above constitutes the minimum charge for no consumption of energy.

SPECIAL CONDITIONS:

Single phase motors of an aggregate capacity of 5 hp. or less may receive service or may be combined with general lighting service under this schedule at the option of the consumer, provided, in case of combination service, the total energy is supplied through one meter. The minimum charge applicable to this combination service shall be the same as that set forth above.

SCHEDULE L-3

(Cancelling Schedule L-3 now in Effect)

GENERAL LIGHTING SERVICE:

Applicable to general domestic and commercial lighting service, including household appliances and small power service.

TERRITORY:

Applicable to service in entire territory served, outside of incorporated limits.

RATE:

Service Charge per meter per month	70¢
Energy charge (to be added to Service Charge)	
First 200 Kwh. per meter per month	6¢ per Kwh.
Next 800 " " " " "	5¢ " "
Next 2000 " " " " "	4¢ " "
All over 3000 " " " " "	3¢ " "

Minimum charge: The Service charge set forth above constitutes the minimum charge for no consumption of energy.

SPECIAL CONDITIONS:

Single phase motor loads of an aggregate capacity of 5 hp. or less may receive service or may be combined with general lighting service under this schedule at the option of the consumer, provided, in case of combination service, the total energy is supplied through one meter. The minimum charge applicable to this combination service shall be the same as that set forth above.

EXHIBIT "B"

SCHEDULE D-1

(Cancelling Schedule C-2 now in effect)

GENERAL DOMESTIC COMBINATION SERVICE:

Available, upon application, for domestic lighting in combination with heating, cooking or domestic power service (including lamp socket appliances).

TERRITORY:

Applicable to service within the incorporated limits of San Francisco, Oakland, Berkeley, Piedmont, Emeryville, San Leandro and Albany.

RATE:

Service charge, per meter per month,	40¢
Energy charge (to be added to service charge)	
First 30 kwh. per month #	5¢ per kwh.
Next 140 " " "	3.5¢ " "
All excess " " "	1.5¢ " "

#For residences, flats, or individual apartments of more than 6 rooms, 5 kwh. for each additional room will be added to the first block of 30 kwh.

MINIMUM CHARGE:

(a) Where no major equipment is installed, the minimum charge is the service charge.

(b) Where major equipment is installed, the minimum charge will be the service charge plus 40¢ per month for each kw. of major equipment in excess of 2 kw.

Note: "Major Equipment" includes any device having capacity in excess of 1 kw.

(c) Upon written application by the consumer, the Company will put the minimum charge on an annual basis of \$36.00 per annum for the first 7 kw. of major equipment plus \$6.00 per annum for each additional kilowatt of such major equipment, provided the primary use of service is seasonal and further provided the consumer signs a contract for service for a period of not less than one (1) year. The Company reserves the right to bill the annual minimum charge proportionately throughout the year.

SPECIAL CONDITIONS:

(a) This schedule applies only to single family dwellings and to separately metered flats and apartments where the consumer uses cooking or heating or domestic power appliances (including lamp socket devices) of at least 1 kw. aggregate capacity.

(b) Any apartment house or group of apartments may receive service under this schedule through one meter, provided that each individual apartment included has permanently installed heating or cooking equipment of at least 2 kw. capacity.

For this purpose, the first energy block only will be increased and will be made equal to the sum of the first energy blocks separately calculated for the individual apartment included. The rate of 5¢ per kwh. will be applied to the kilowatt-hours thus determined in the same manner as if they were the consumption of an individual service separately metered.

(c) Capacity of all equipment will be based on name plate rating, all equipment assumed as operating at 100 per cent power factor, and a rating in horsepower being converted to kilowatts at one to one.

(d) Single phase power service (5 hp. or less) may be combined under this schedule.

(e) For the purpose of this schedule the number of rooms will be determined upon the customary real estate basis of rating. The tables following are illustrative of rooms to be counted and not to be counted.

<u>(a) To be Counted</u>		<u>Not to be Counted</u>	
Ballroom	Library	Alcove	Hallways
Billiard Room	Living Room	Attic (unfinished)	Laundry
Bedroom	Music Room	Bathroom	Pantry
Conservatory	Nursery	(b) Barn (without living quarters)	Piazza
Den	Observatory	Breakfast Nook	Porch
Dining Room	Office	Butler's Pantry	Portico
Drawing Room	Parlor	Cellar	Reception Room (100 sq.ft. or less)
Dressing Room	Reception Room	Closet	Sleeping Porch
Gymnasium	Servant's Room	(b) Coal Shed	Storage Room
Kitchen	Studio	(b) Dressing Closet	Toilet
Kitchenette	Serving Room	(b) Garage (without living quarters)	

(a) Rooms listed are to be counted whether they are wired or not.

(b) Each 200 watts connected load of yard, barn or other outhouse lighting will be counted as one room. Empty lamp sockets will be rated at 50 watts.

SCHEDULE D-2.

(Cancelling Schedule C-2 now in effect).

GENERAL DOMESTIC COMBINATION SERVICE:

Available, upon application, for domestic lighting in combination with heating, cooking or domestic power service (including lamp socket appliances).

TERRITORY:

Applicable within incorporated limits served by the Company, except San Francisco, Oakland, Berkeley, Piedmont, Emeryville, San Leandro and Albany.

RATE:

Service charge, per meter per month,	50¢
Energy charge (to be added to service charge)	
First 30 kwh. per month #	5¢ per kwh.
Next 140 " " "	3.5¢ " "
All excess " " "	1.5¢ " "

#For residences, flats, or individual apartments of more than 6 rooms, 5 kwh. for each additional room will be added to the first block of 30 kwh.

MINIMUM CHARGE:

(a) Where no major equipment is installed, the minimum charge is the service charge.

(b) Where major equipment is installed, the minimum charge will be the service charge plus 40¢ per month for each kw. of major equipment in excess of 2 kw.

Note: "Major Equipment" includes any device having capacity in excess of 1 kw.

(c) Upon written application by the consumer, the Company will put the minimum charge on an annual basis of \$36.00 per annum for the first 7 kw. of major equipment plus \$6.00 per annum for each additional kilowatt of such major equipment, provided the primary use of service is seasonal and further provided the consumer signs a contract for service for a period of not less than one (1) year.- The Company reserves the right to bill the annual minimum charge proportionately throughout the year.

SPECIAL CONDITIONS:

(a) This schedule applies only to single family dwellings and to separately metered flats and apartments where the consumer uses cooking or heating or domestic power appliances (including lamp socket devices) of at least 1 kw. aggregate capacity.

(b) Any apartment house or group of apartments may receive service under this schedule through one meter, provided that each individual apartment included has permanently installed heating or cooking equipment of at least 2 kw. capacity.

For this purpose, the first energy block only will be increased and will be made equal to the sum of the first energy blocks separately calculated for the individual apartment included. The rate of 5¢ per kwh. will be applied to the kilowatt-hours thus determined in the same manner as if they were the consumption of an individual service separately metered.

(c) Capacity of all equipment will be based on name plate rating, all equipment assumed as operating at 100 per cent power factor, and a rating in horsepower being converted to kilowatts at one to one.

(d) Single phase power service (5 hp. or less) may be combined under this schedule.

(e) For the purpose of this schedule the number of rooms will be determined upon the customary real estate basis of rating. The tables following are illustrative of rooms to be counted and not to be counted.

<u>(a) To be Counted</u>		<u>Not to be Counted</u>	
Ballroom	Library	Alcove	Hallways
Billiard Room	Living Room	Attic (unfinished)	Laundry
Bedroom	Music Room	Bathroom	Pantry
Conservatory	Nursery (b)	Barn (without living quarters)	Piazza
Den	Observatory	Breakfast Nook	Porch
Dining Room	Office	Butler's Pantry	Portico
Drawing Room	Parlor	Cellar	Reception Room (100 sq.ft. or less)
Dressing Room	Reception Room	Closet	Sleeping Porch
Gymnasium	Servant's Room	Coal Shed	Storage Room
Kitchen	Studio (b)	Dressing Closet	Toilet
Kitchenette	Serving Room	Garage (without living quarters)	

(a) Rooms listed are to be counted whether they are wired or not.

(b) Each 200 watts connected load of yard, barn or other outhouse lighting will be counted as one room. Empty lamp sockets will be rated at 50 watts.

SCHEDULE D-3

(Cancelling Schedule C-2 now in effect)

GENERAL DOMESTIC COMBINATION SERVICE:

Available, upon application, for domestic lighting in combination with heating, cooking or domestic power service (including lamp socket appliances).

TERRITORY:

Applicable in all unincorporated territory served by the Company.

RATE:

Service charge, per meter per month, 70¢
Energy charge (to be added to service charge):

First	30 kwh. per month	#	6¢ per kwh.
Next	140 " " "	"	3.5¢ " "
All excess	" " "	"	1.5¢ " "

#For residences, flats, or individual apartments of more than 6 rooms, 5 kwh. for each additional room will be added to the first block of 30 kwh.

MINIMUM CHARGE:

(a) Where no major equipment is installed, the minimum charge is the service charge.

(b) Where major equipment is installed, the minimum charge will be the service charge plus 40¢ per month for each kw. of major equipment in excess of 2 kw.

Note: "Major Equipment" includes any device having capacity in excess of 1 kw.

(c) Upon written application by the consumer, the Company will put the minimum charge on an annual basis of \$36.00 per annum for the first 7 kw. of major equipment plus \$6.00 per annum for each additional kilowatt of such major equipment, provided the primary use of service is seasonal and further provided the consumer signs a contract for service for a period of not less than one (1) year. The Company reserves the right to bill the annual minimum charge proportionately throughout the year.

SPECIAL CONDITIONS:

(a) This schedule applies only to single family dwellings and to separately metered flats and apartments where the consumer uses cooking or heating or domestic power appliances (including lamp socket devices) of at least 1 kw. aggregate capacity.

(b) Any apartment house or group of apartments may receive service under this schedule through one meter, provided that each individual apartment included has permanently installed heating or cooking equipment of at least 2 kw. capacity.

For this purpose, the first energy block only will be increased and will be made equal to the sum of the first energy blocks separately calculated for the individual apartment included. The rate of 6¢ per kwh. will be applied to the kilowatt-hours thus determined in the same manner as if they were the consumption of an individual service separately metered.

(c) Capacity of all equipment will be based on name plate rating, all equipment assumed as operating at 100 per cent power factor, and a rating in horsepower being converted to kilowatts at one to one.

(d) Single phase power service (5 hp. or less) may be combined under this schedule.

(e) For the purpose of this schedule the number of rooms will be determined upon the customary real estate basis of rating. The tables following are illustrative of rooms to be counted and not to be counted.

<u>(a) To be Counted</u>		<u>Not to be Counted</u>	
Ballroom	Library	Alcove	Hallways
Billiard Room	Living Room	Attic(unfinished)	Laundry
Bedroom	Music Room	Bathroom	Pantry
Conservatory	Nursery	(b) Barn (without	Piazza
Den	Observatory	living quarters)	Porch
Dining Room	Office	Breakfast Nook	Portico
Drawing Room	Parlor	Butler's Pantry	Reception Room
Dressing Room	Reception Room	Cellar	(100 sq.ft.
Gymnasium	Servant's Room	Closet	or less)
Kitchen	Studio	(b) Coal Shed	Sleeping Porch
Kitchenette	Serving Room	Dressing Closet	Storage Room
		(b) Garage (without	Toilet
		living quarters)	

(a) Rooms listed are to be counted whether they are wired or not.

(b) Each 200 watts connected load of yard, barn or other outhouse lighting will be counted as one room. Empty lamp sockets will be rated at 50 watts.

SCHEDULE P-3

(Cancelling Schedule P-3 Now in Effect)

AGRICULTURAL POWER SERVICE:

Applicable to general agricultural and reclamation service, including pumping, feed choppers, milking machines, heating for incubators, brooders, poultry house lighting and general farm use, but excluding cooking and general lighting service.

TERRITORY:

Entire territory served.

RATE:

Size of Installation	Annual Service Charge per HP	Energy charge in addition to the Service Charge			
		Rate per KWH for consumptions per HP per year of			
		First 1000 KWH	Next 1000 KWH	Next 1000 KWH	All Over 3000 KWH
2-4 HP	\$6.50*	1.6¢	1.2¢	.9¢	.7¢
5-14	5.50	1.4	1.1	.8	.7
15-49	5.00	1.2	1.0	.8	.7
50-99	4.50	1.1	.9	.75	.7
100-249	3.90	1.1	.9	.75	.7
250-499	3.75	1.05	.85	.75	.7
500-999	3.60	1.0	.85	.75	.7
1000-2499	3.30	1.0	.85	.75	.7
2500 HP and Over	3.00	1.0	.85	.75	.7

*In no case will the total annual service charge be less than \$13.00 for single phase service, nor less than \$19.50 for three phase service.

SPECIAL CONDITIONS:

(a) Agricultural Year:

Meters on all agricultural services will be read by the company between April 1st and April 10th of each year and the above rates will apply to the yearly periods between such successive readings.

(b) Payment of Service Charges:

Service charges will be payable in six equal monthly installments beginning with the bill based on the regular May meter reading.

(c) Guaranteeing Rates for Larger Size Installation:

Any consumer may obtain the rate for a larger installation by guaranteeing the rates and service charge of that larger installation.

SCHEDULE P-3 (CONTINUED)

(d) Voltage:

When the company installs, owns and maintains the transformers the above rates apply to service rendered at 110, 220 and 440 volts under provisions of Rule and Regulation No. 2, at the option of the consumers and the energy will be metered on the secondary (low) side of the transformer.

When the consumer owns the transformers, service will be rendered at the distribution line voltage available and the service will be measured on the primary (high) side of the transformer.

(e) Credit for Ownership of Transformer by Consumer:

Consumers operating installations having a connected load of 50 HP or over and owning the transformers supplying such installations will be allowed the following credits:

<u>Size of Installation</u>	<u>Annual Credit per HP of Connected Load</u>
50-99 HP	\$1.00 per HP
100-249	.90
250-499	.80
500-999	.70
1000-2499	.60
2500 HP and over	.50

(f) Contracts:

The company may require a contract for service under this schedule for a period not to exceed three years when service is first rendered and thereafter from year to year.

(g) The service charge will be based on the largest load that may be connected at any one time. For the purpose of calculating service charges one kilowatt of lighting or heating load will be rated at one horsepower.

(h) Consumers permanently increasing or decreasing their connected load will have their bills adjusted as provided in Special Conditions (I) following, original load being considered as discontinuing service and the increased or decreased load as commencing service.

(i) Service Commenced or Discontinued During the Agricultural Year:

The following adjustments apply only in the case of service first begun or permanently discontinued and will not be made when installations shut down for a few months.

For a fractional agricultural year the rate will be modified as follows:

SCHEDULE P-3 (CONTINUED)

The service charge will apply to service taken between April 1 and September 30 at the rate of one-sixth of the annual charge per month.

The size of the blocks of energy charge will be multiplied by the factor in the following table corresponding to the month during which service is begun or discontinued:

<u>Month in which Service Commences or is Discontinued</u>	<u>Factor</u>	
	<u>New Service</u>	<u>Discontinued Service</u>
April	1.0	.1
May . . . . .	.9	.1
June . . . . .	.8	.2
July . . . . .	.7	.3
August . . . . .	.6	.4
September . . . . .	.5	.5
October . . . . .	.4	.6
November . . . . .	.3	.7
December . . . . .	.2	.8
January . . . . .	.1	.9
February . . . . .	.1	.9
March . . . . .	.1	1.0