

Decision No. 13316

BEFORE THE RAILROAD COMMISSION OF THE STATE OF CALIFORNIA

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In the matter of the application of Pacific Gas and Electric Company, a corporation, for an order of the Railroad Commission of the State of California authorizing applicant to increase its rates and charges for electric energy.)
Application No. 5567.

And Consolidated Proceedings, Application No. 3602, Cases Nos. 748, 840, 930, 934, 996, 1203 and 1669.

In the matter of the application of Great Western Power Company of California for an order authorizing an increase in rates.)
Application No. 5585.

And Consolidated Proceedings, Cases Nos. 931, 1204 and 1669.

SEAVEY AND BRUNDIGE, COMMISSIONERS:

OPINION AND ORDER ON SUPPLEMENTAL APPLICATIONS

On December 30, 1922, the Railroad Commission made its Decision No. 11457 in Application No. 5567 of Pacific Gas and Electric Company and consolidated proceedings, and on January 3, 1923 its Decision No. 11406 in Application No. 5585 of Great Western Power Company of California and consolidated proceedings.

These decisions included a complete consideration of the value of the electric department properties, the operating expenses and revenues of the respective companies, and schedules of rates were fixed covering service to various classes of consumers. The two companies operate in similar territory and to quite an extent in competition, and as a result the rates fixed in the two decisions were identical with the exception of one

schedule. Shortly after the decisions were issued, both companies filed supplemental applications requesting a number of minor changes in the rate schedules and other provisions of the two orders. To quite an extent the changes requested were similar or identical, and as the rates and general provisions of the orders involved were the same, the two supplemental applications were consolidated for hearing and decision.

A public hearing was held at which the companies introduced evidence in support of the modifications requested, a number of consumers were heard and it was stipulated by the representatives of both companies that the Commission might also consider in evidence such complaints and communications regarding the effect of the rates as might be directed to it. The rates have now been in effect for substantially twelve months and opportunity has been afforded for observation of their practical application. Careful consideration has been given to the proposed changes in rates and in other provisions of the order, to such complaints as have been made by consumers and to misunderstandings and disputes that have come up regarding the application and the interpretation of the schedules.

The schedules provided in the original orders have been revised in the light of this consideration and such revised schedules are set forth in the Order accompanying this Opinion. In general, the revisions in the schedules are changes in wording or form in the interest of flexibility or clarity and no important change in the gross revenue of either company will result.

Petitions for rehearing were filed by certain of the largest consumers of the two companies, urging changes in the schedules applicable to their particular services. The evidence introduced in support of these petitions for rehearing has been considered and certain modifications in these particular schedules

are being made as a result thereof. As a matter of convenience and record, the schedules modified for such reasons as well as the changes supported by the evidence in the present application, are included in the one order, with the result that the attached exhibit will contain a complete set of the schedules of the two companies as finally modified.

The requested modifications in the provisions of the order covering the depreciation reserve of Pacific Gas and Electric Company and the ownership of certain lines and transformers by both companies, have received full consideration and we find no sufficient reason for modification of the requirements of the previous orders.

We 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 certain modifications in the provisions of its orders in Decision No. 11457 dated December 30, 1922 and in Decision No. 11466 dated January 3, 1923, respectively, public hearing having been held on such applications, the matter being submitted and now ready for decision,

The Railroad Commission hereby finds as a fact that the present rates and charges of Pacific Gas and Electric Company and Great Western Power Company of California for electric service, are unjust, unreasonable and discriminatory insofar as they differ from the rates and charges hereinafter set forth.

Based on its order upon the foregoing findings of fact and the findings of fact preceding this order, it is hereby ordered that:

1. Pacific Gas and Electric Company and Great Western Power Company of California charge and collect for electric service the rates and charges set forth in Exhibit "A" attached hereto and made a part hereof. Such rates to be filed with this Commission on or before April 1, 1924 and to become effective with bills for flat rate service delivered during the month of April, and with bills for metered service based on meter readings taken on and after April 15, 1924.

2. No other modification to be made in the requirements of the orders in Decisions No. 11457 and No. 11456 except upon further order of this Commission.

3. The effective date of this order shall be April 1, 1924.

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 25th day of March, 1924.

C. Searcy
H. B. Burdige
Dwight MacArthur
J. T. Whittles
Commissioners.

EXHIBIT "A"

SCHEDULE L-1

(Cancelling L-1.)

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:

First	10	KWH	or less	per meter	per month	90¢	per month
Next	40	"	"	per meter	per month	6¢	" KWH
"	150	"	"	"	"	5¢	" "
"	800	"	"	"	"	4¢	" "
"	2000	"	"	"	"	3¢	" "
All over	3000	"	"	"	"	2¢	" "

SPECIAL CONDITIONS:

(a) Single phase motors of an aggregate capacity of 5 H.P. or less may receive service or may be combined with general lighting service under this schedule of rates 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 is the minimum charge as set forth above.

(b) In San Francisco only motors of an aggregate capacity in excess of 5 H.P. may receive service or be combined with general lighting service under this schedule of rates at the option of the consumer, provided in case of combination service the total energy may be supplied through one meter, in which case the total minimum charge will be 90¢ per H.P. per month of motor load.

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. service are available.

SCHEDULE I-2

(Cancelling I-2.)

GENERAL LIGHTING SERVICE:

Applicable to general domestic and commercial lighting service, including household appliances and single phase service to motor loads not to exceed 5 H.P. capacity.

TERRITORY:

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

RATE:

First	10	KWH	or less	per meter	per month	.....	\$1.00		
Next	40	"		per meter	per month	.....	6¢	per	KWH
"	150	"	"	"	"	.....	5	"	"
"	800	"	"	"	"	.....	4	"	"
"	2000	"	"	"	"	.....	3	"	"
All over	3000	"	"	"	"	.....	2½	"	"

SPECIAL CONDITIONS:

(a) Single phase motors of an aggregate capacity of 5 H.P. or less may receive service or may be combined with general lighting service under this schedule of rates 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 is only that minimum charge as set forth above.

SCHEDULE L-3

(Cancelling L-3.)

GENERAL LIGHTING SERVICE:

Applicable to general domestic and commercial lighting service, including household appliances and single phase service to motor loads not to exceed 5 H.P. capacity.

TERRITORY:

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

RATE:

First	10	KWH	or less	per meter	per month	..\$1.25	per month
Next	40	"		per meter	per month	.....	7¢ per KWH
"	150	"	"	"	"	.....	6¢ " "
"	800	"	"	"	"	.....	5 " "
"	2000	"	"	"	"	.....	4 " "
All over	3000	"	"	"	"	.....	3½ " "

SPECIAL CONDITIONS:

(a) Single phase motors of an aggregate capacity of 5 H.P. or less may receive service or may be combined with general lighting service under this schedule of rates at the option of the consumer; provided that, in case of combination service the total energy is supplied through one meter.

The minimum charge applicable to this combination service is only that minimum charge as set forth above.

SCHEDULE L-4

(Cancelling L-4)

STREET AND HIGHWAY LIGHTING:

Applicable to service to street, highway and other public outdoor lighting installations, using bracket, mast arm, or center suspension construction, and supplied from overhead lines, where the Company owns and maintains the entire equipment.

TERRITORY:

Applicable to the entire territory except the City of San Francisco.

RATE:

		<u>Monthly Charge per Lamp</u>	
	<u>Lamp Rating</u>	<u>All Night Service:</u>	<u>Reduction for each hour reduction in nightly service</u>
<u>Multiple Lamps</u>	25 Watts	\$.95	1¢
	40 "	1.25	2¢
	50 "	1.45	3¢
	60 "	1.70	3¢
	75* "	2.00*	4¢
	100* "	2.50*	5¢
	150* "	3.20*	7¢
	200* "	3.75*	12¢
	300* "	4.40*	13¢
	500* "	5.40*	20¢
<u>Series Lamps</u>	60 C.P.	1.30	2¢
	80	1.65	3
	100*	1.85*	4
	250*	3.20*	7
	400*	4.05*	12
	600*	4.80*	16
<u>Arc Lamps</u>	4 amp. luminous	4.60	15
	6.6 " "	5.00	15

* Includes a refractor. A diffusing globe, special highway reflector, or equivalent special reflector will be supplied on request. A deduction of 15 cents per month will be made for each lamp not equipped with refractor, diffusing globe or special reflector.

SPECIAL CONDITIONS:

(a) For the purpose of calculating rates for less than all-night service, it will be assumed that the average hour of turning off all-night service is 5:30 A.M. and the average hours of nightly service are:

All night service	(4000 hrs per yr)	11 hrs per night
Moonlight service	(2240 hrs per yr)	6 hrs per night
Midnight service	(2000 hrs per yr)	5½ hrs per night

(b) The foregoing rates apply to installations of ten lamps or more. When service is supplied for less than ten lamps the above rates increased by 10% will apply. Such increase in rate will be based upon the total number of lamps in circuit and not upon the number of lamps billed to a separate consumer.

SCHEDULE C-1

(Cancelling C-1)

GENERAL HEATING, COOKING AND COMBINATION SERVICE:

Applicable to general domestic and commercial heating, cooking and/or water heating service, and to combination lighting with heating, cooking and/or water heating service.

TERRITORY:

Entire territory served.

RATE:

(A) Heating, Cooking and/or water heating service

First	150	KWH	per	meter	per	month	3.5¢	per	KWH
All over	150	"	"	"	"	"	2.0	"	"

(B) Combination lighting, with heating, cooking and/or water heating service

First	30	KWH	per	meter	per	month	(x)		
Next	150	"	"	"	"	"	3.5¢	per	KWH
All over	150	"	"	"	"	"	2.0	"	"

(x) Charge for first 30 KWH at effective lighting rate.

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

MINIMUM CHARGE:

First 7 KW or less of heating, cooking and/or water heating capacity, - - - - \$6.00 per month.
Over 7 KW of heating, cooking and/or water heating capacity, - - - - \$.50 per KW per month.

When the consumer signs a contract for service for a period of one year the minimum charges will be made accumulative for the service year. The minimum charges are payable in monthly installments until such time as the accumulative energy charges equal the annual minimum charge.

SPECIAL CONDITIONS:

(a) Service will normally be 110/220 volt three wire alternating current.

(b) Minimum charges are based on the total active connected

SCHEDULE C-1 Cont'd.

(Cancelling C-1)

SPECIAL CONDITIONS, Cont'd.

load of heating, cooking and water heating capacity which may be connected at any one time.

No additional minimum charge will be made for lighting service in case of combination service.

(c) Rate (B) applies only where the consumer installs and uses cooking, heating and/or water heating appliances other than lamp socket devices of at least 2 KW capacity for residences, flats or apartments of 8 rooms or less and 5 KW for residences, flats and apartments of 9 rooms or more.

(d) Bath rooms, halls and cellars are not classified as rooms.

(e) Connected load will be taken as the name plate rating of all heating and cooking apparatus permanently connected and which may be connected at any one time computed to the nearest one-tenth of a kilowatt and in no case less than 2 KW. All equipment assumed as operating at 100% power factor.

(f) Single phase power service (5 H.P. or less) may be combined under this schedule in which case each horsepower of connected load shall be considered equivalent to one kilowatt of connected load in determining the minimum charge.

SCHEDULE C-2

(Cancelling C-2)

COMMERCIAL HEATING AND COOLING:

Applicable to Commercial Heating, Cooking and/or Water Heating. This rate is optional with Schedule C-1.

TERRITORY:

Entire territory served.

RATE:

The rate will be that provided in Schedule (P-1). In determining the size of blocks and minimum charges one kilowatt of active connected load will be considered as one horsepower.

SPECIAL CONDITIONS:

(1) Service will normally be 3 wire, alternating current, 110/220 volt, but at the option of the Company three phase service may be supplied.

(2) Connected load will be taken as the name plate rating of all heating and cooking apparatus permanently connected and which may be connected at any one time computed to nearest one-tenth of a kilowatt and in no case less than 2 KW. All equipment assumed as operating at 100% power factor.

(3) Single phase power service (5 H.P. or less) may be combined under this schedule in which case each horsepower of connected load shall be considered equivalent to one kilowatt of connected load in determining the rate and minimum charge.

SCHEDULE C-3

(Cancelling C-3)

COMBINATION LIGHTING & POWER SERVICE:

Applicable to combination lighting with cooking and/or power service where the connected load of power and/or cooking is at least 25% of the total load.

TERRITORY:

Applicable within the City and County of San Francisco.

RATE:

Demand Charge.

First	25 KW	of monthly maximum demand	\$1.50	per KW
Next	50 "	" " " " "	1.30	" "
All over	75 "	" " " " "	1.00	" "

Energy Charge (To be added to Demand Charge)

First	1000 KWH	per month	2.60	cents	per KWH
Next	1500 "	" " "	2.10	"	" "
"	3500 "	" " "	1.80	"	" "
All over	6000 "	" " "	1.60	"	" "

MINIMUM CHARGE:

The Maximum Demand Charge will be not less than that based on 50% of the maximum demand created during the preceding eleven months and in no case less than \$12.00 per month.

SPECIAL CONDITIONS:

(a) This schedule is exclusively a meter-rate, the maximum demand being measured by demand meters or indicators to be furnished and installed by the company upon the consumer's premises adjacent to or combined with watt-hour meter or meters which measure the monthly energy consumption.

The Maximum Demand in any month will be the average number of kilowatts indicated or recorded by the above meters in that 15-minute interval in which the consumption of electric energy hereunder is greater than in any other 15-minute interval in the month; provided, that in the case of hoists, elevators, welding machines, furnaces and other installations where the energy demand is intermittent or subject to violent fluctuation, the company may base the consumer's maximum demand upon a 3-minute instead of a 15-minute interval.

Where the power installation does not exceed 50 horsepower the demand may, at the option of the company, be determined by instruments or test, as above, or, with the consent of the consumer, the demand may be assumed to be 100 per cent of the rated capacity of the largest motor installed plus 50 per cent of the rated capacity of all additional motors and other energy consuming devices installed.

SCHEDULE P-1

(Cancelling P-1)

GENERAL POWER SERVICE:

Applicable to general commercial and industrial power service and to commercial heating and cooking service and rectifier service. Alternating current service will be supplied at any standard voltage from 110 to 2200 volts as may be requested by the consumer. D.C. service may be obtained when available at the voltage as available. Schedule P-2 is optional with this schedule for alternating current service.

TERRITORY:

Entire territory service.

RATE - A.C. Service:

E.P. of Connected Load	Rate per Kwh. for Monthly Consumptions of			
	1st 50 kwh. per h.p.	next 50 kwh. per h.p.	next 150 kwh. per h.p.	All Over 250 kwh. per h.p.
2 - 9 H.P.	4.0¢	2.1¢	1.3¢	.9¢
10 - 24 "	3.6	2.0	1.2	.9
25 - 49 "	3.1	1.9	1.1	.8
50 - 99 "	2.6	1.7	1.1	.7½
100 - 249 "	2.3	1.5	1.0	.7
250 - 499 "	2.1	1.3	.9	.65
500 - 999 "	2.0	1.2	.9	.6
1000 - 2499 "	1.9	1.1	.9	.6
2500 - over "	1.8	1.0	.9	.6

MINIMUM CHARGE:

First 50 H.P. of connected load, \$1.00 per h.p. per month, but in no case less than \$2.00 per month.
All over 50 H.P. of connected load, 65¢ per h.p. per month.

At the request of the consumer and upon the execution of a contract for a term of at least one year, the minimum charge will be made accumulative over a 12 month period.

DIRECT CURRENT SERVICE:

D.C. service when furnished will be rendered under the above rates and minimum charges increased by 10%. D.C. service may only be obtained where available.

SCHEDULE P-1 Cont'd.

(Cancelling P-1)

SPECIAL CONDITIONS:

(a) Voltage:

This schedule of rates will apply to service rendered at any standard voltage at the option of the consumer. All necessary transformers to obtain such voltage will be supplied, owned and maintained by the company.

(b) Maximum Demand:

The above rates and minimum charges may at the option of the consumer be based on the h.p. of measured maximum demand instead of h.p. of connected load, ⁱⁿ which case the h.p. of demand on which the rates and minimum charges will be based will not be less than 30% of the connected load, and the minimum charge will not be less than \$50.00 per month.

The maximum demand in any month will be the average h.p. input (746 watts equivalent) indicated or recorded by instruments to be supplied, by the Company in the fifteen minute interval in which the consumption of electric energy is more than in any other fifteen minute interval in the month for installation of less than 750 h.p. and a 30 minute interval for larger size installation or at the option of the Company the maximum demand may be determined by test.

In the case of hoists, elevators, welding machines, furnaces and other installations where the energy demand is intermittent or subject to violent fluctuations, the Company may base the consumer's maximum demand upon a five minute interval instead of a fifteen or thirty minute interval.

SCHEDULE P-1 Cont'd.

(Cancelling P-1)

SPECIAL CONDITIONS: Cont'd.

Demands for installations in excess of 750 h.p. of connected load occurring between the hours of 11:00 P.M. and 6:00 A.M. of the following day will not be considered in computing charges under this schedule.

(c) Optional rate for larger installations:

Any consumer may obtain the rates and conditions of service for a larger installation by guaranteeing the rates and minimum charges applicable to the larger installation.

(d) Rectifier, Heating and Cooking Service:

Mercury arc rectifiers and commercial heating and cooking installations may obtain service under this schedule. For the purpose of determining rates and minimum charges, each kilowatt of connected load will be considered as equivalent to one horsepower.

SCHEDULE P-2

(Cancelling P-2)

INTERMITTENT SERVICE:

Optional with Schedule P-1 except for direct current service and suitable for intermittent or seasonal use of energy.

TERRITORY:

Entire territory served.

RATE:

Demand Charge

First 10 h.p. of connected load \$5.00 per h.p. per year
Over 10 h.p. " " " 3.50 " " " "

Energy Charge

The energy charges are the rates without the minimum charges as set forth under Schedule P-1.

SPECIAL CONDITIONS:

(A) Total Charge

The total charge is the sum of the demand and energy charges stated above.

(B) Payment of Demand Charge

The demand charge is payable in five equal installments during the first five months after the date service is first rendered. The consumers may select, if satisfactory to the Company, other months in which to pay the demand charges.

(C) Adjustment of Bills

At the end of each year's service period a consumer operating under this schedule and whose total charges for service for the past year would have amounted to less under Schedule P-1 will have the charges for this service adjusted to the lower charges.

SCHEDULE P-3

(Cancelling P-3)

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 excluding cooking and general lighting service.

TERRITORY:

Entire territory served.

RATE: A

Size of Installation	Annual demand charge per H.P.	Energy Charge in Addition to the Demand Charge			
		Rate per KWH			
		for Consumptions per 1000 KWH	Next 1000 KWH	Next 1000 KWH	All over 3000 KWH
2-4 H.P.	\$ 6.60*	1.6¢	1.2¢	.9¢	.7¢
5-14 "	6.00	1.4	1.1	.8	.7
15-49 "	5.40	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	1.00	.85	.75	.7
1000-2499 "	3.30	1.00	.85	.75	.7
2500-EP and over	3.00	1.00	.85	.75	.7

* In no case will the total annual demand be less than \$13.20

RATE: B OPTIONAL RATE:

Any consumer may select at his option the following rate instead of the demand and energy rate set forth above:

H.P. of Connected Load	Annual Min. Chg. Per H.P.	Rate per KWH for Consumptions of				
		First 300 kwh per H.P. per yr.	Next 700 kwh. per h.p. per yr.	Next 1000 kwh. per h.p. per yr.	Next 1000 kwh. per h.p. per yr.	All Over 3000
2-4 H.P.	\$9.00*	3.8¢	1.6¢	1.2¢	.9¢	.7¢
5-14 "	8.00	3.4	1.4	1.1	.8	.7
15-49 "	7.50	3.0	1.2	1.0	.8	.7
50-99 "	7.00	2.6	1.1	.9	.75	.7
100-249 "	6.75	2.4	1.1	.9	.75	.7
250-499 "	6.50	2.3	1.05	.85	.75	.7
500-999 "	6.25	2.2	1.00	.85	.75	.7
1000-2499 "	6.00	2.1	1.00	.85	.75	.7
2500 EP & over	6.00	2.0	1.00	.85	.75	.7

* In no case will the total minimum charge be less than \$27.00 per year.

SCHEDULE P-3 Cont'd

(Cancelling P-3)

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 Demand and Minimum Charges

Demand and Minimum Charges will be payable in six equal monthly installments beginning with the bill based on the regular May meter reading.

(c) Selection of Schedule

The Company will normally render agricultural service under Rate (A) unless the consumer advises the Company to apply the optional Rate (B).

At the end of each agricultural year the company will adjust the bills of consumers operating on either rate A or rate B to the more favorable rate.

(d) Guaranteeing Rates for Larger Size Installation

Any consumer may obtain the rate for a larger installation by guaranteeing the rates and demand charge (or minimum charge) of that larger installation.

(e) Voltage

When the Company installs, owns and maintains the transformers the above rates apply to service rendered at 110, 220 or 440 volts under provisions of Rule and Regulation No. 2, at the option of the consumer 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.

SCHEDULE P-3 Cont'd.

(Cancelling P-3)

SPECIAL CONDITIONS: (Cont'd)

(f) Credit for Ownership of Transformer by Consumer

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

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

(g) 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.

(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 Rate A will be modified as follows:

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

SCHEDULE P-3 Cont'd

(Cancelling P-3)

SPECIAL CONDITIONS: (Cont'd)

(1) Cont'd

The size of the blocks of the 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 dis- continued</u>	<u>F A C T O R</u>	
	<u>New Service</u>	<u>Discontinued Service</u>
April	1.0	.1
May	.9	.2
June	.8	.3
July	.7	.4
August	.6	.5
September	.5	.6
October	.4	.7
November	.3	.8
December	.2	.9
January	.1	1.0
February	.1	1.0
March	.1	1.0

Rate B will apply without modification and the bill for services will be at the lower rate.

SCHEDULE P-4

(Cancelling P-4)

RECLAMATION POWER SERVICE:

Applicable to general reclamation service. This rate for reclamation service is optional with Schedule P-3.

TERRITORY:

Entire territory served.

RATE (A):

Rates applicable to that portion not less than 30% of the connected load operated

Size of Total Installation	H.P.	Annual Demand Charge per H.P.		Energy Charge in Addition to the Demand Charge			
		Company Owns Transformers	Consumer Owns Transformers	Rate per KWH for Consumptions per H.P. per yr. of			
				First 1000 KWH	Next 1000 KWH	Next 1000 KWH	All Over 3000 KWH
50-99	H.P.	\$4.50	\$3.50	1.1¢	.9¢	.75¢	.7¢
100-249	"	3.90	3.00	1.1	.9	.75	.7
250-499	"	3.75	2.95	1.05	.85	.75	.7
500-999	"	3.60	2.90	1.00	.85	.75	.7
1000-2499	"	3.30	2.70	1.00	.85	.75	.7
2500 & Over	"	3.00	2.50	1.00	.85	.75	.7

RATE (B):

Rates applicable to that portion not exceeding 70% of the connected load held only as a standby, but not actually operated

Size of Total Installation	H.P.	Annual Demand Chg. per H. P.		
		Company Owns Transformers	Consumer Owns Transformers	
50-99	H.P.	\$1.80	\$.80	If this additional installation is operated and any energy used, then the full demand and energy rates of Rate (A) will apply to this load for the 12 months period ending on the following December 31st.
100-249	"	1.70	.80	
250-499	"	1.60	.80	
500-999	"	1.50	.80	
1000-2499	"	1.40	.80	
2500 & Over	"	1.30	.80	

Rate "A" will apply to not less than 30% of the connected load and Rate "B" to not more than 70% of the connected load.

SCHEDULE P-4 Cont'd

(Cancelling P-4)

SPECIAL CONDITIONS:

(a) Demand Charges

The demand charges of Rates (A) and (B) are due and payable in 12 equal monthly installments during the year from January 1st to December 31st of the same year.

(b) Energy Charges

The energy rates of Rate (A) shall apply to service rendered on and after January 1st of any year and before December 31st of the same year.

(c) Service Commencing (or Discontinued) after January 1st.

Any consumer whose service begins (or discontinued) at a later date than January 1st of any year will be billed in accordance with the above rates modified as follows:

(1) Demand Charge

The demand charges of Rates (A) and (B) are applicable only during that period from date service is first taken to December 31st of the same year at the rate of one-twelfth of the annual demand charge per month.

(2) The sizes of the energy blocks of the Rate (A) are to be determined by multiplying the sizes of the blocks given in the Rate (A) by the following factor according to the month in which service commences or is discontinued.

SCHEDULE P-4 Cont'd

(Cancelling P-4)

SPECIAL CONDITIONS: Cont'd

<u>Month in which Service Com- mences or is Discontinued</u>	F A C T O R	
	<u>New Service</u>	<u>Discontinued Service</u>
January	1.0	.1
February	.9	.2
March	.8	.3
April	.7	.4
May	.6	.5
June	.5	.6
July	.4	.7
August	.3	.8
September	.2	.9
October	.1	1.0
November	.1	1.0
December	.1	1.0

(d) Season

Meters on agricultural and reclamation service operating under this schedule will be read by the Company between January 1st and January 10th of each year, and the above rates will apply for the year for service rendered after that date.

(e) Date of First Payment of Demand Charge

The first payment of the annual demand charge will be due and payable upon presentation of the bill for service rendered based on regular meter readings taken on and after February 1st.

(f) Increase or Decrease of Load

Consumers permanently increasing or decreasing their connected load will have their rates for the increased or decreased load adjusted in accordance with Special Condition (c). Discontinued service is limited to installations permanently quitting and does not apply to installations shutting down for a few months or for the balance of the season at the end of which time service will again be desired.

SCHEDULE P-4 Cont'd

(Cancelling P-4)

SPECIAL CONDITIONS: Cont'd

(g) Guaranteeing Rates for Larger Size Installations

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

(h) Voltage

When the Company installs, owns and maintains the transformers, the above rates apply to service rendered at 110, 220 or 440 volts under the provisions of Rule and Regulation No. 2 at the option of the consumer.

When the consumer owns the transformers, service will be rendered at the distribution line voltage available.

(i) Measurement of Service

When the Company owns the transformers the energy will be measured on the secondary (low) side of the transformers.

When the consumer owns the transformer the energy will be measured on the primary (high) side of the transformers.

The unit energy rates as given above in Rate (A) apply whether the Company or consumer owns the transformers.

(j) Disconnecting Switch

The above rates contemplate that the service will be disconnected from the main line by the consumer during periods when the installation is not in operation provided the Company installs a suitable disconnecting switch on the primary (high) side of the transformer for such purpose.

Such a disconnecting switch will be owned, maintained and properly installed by the Company together with necessary means and protection for its operation.

SCHEDULE P-4 Cont'd

(Cancelling P-4)

SPECIAL CONDITIONS: Cont'd

(k) 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 or when the connected load as defined hereafter is increased and from year to year after the expiration of such initial contract.

(l) Connected Load

The term "connected load" as used in this schedule means the maximum load that may be connected to the Company's lines at any one time. The total name plate rating of all motors installed will be used, unless the arrangement of wiring piping shafting or conditions of operation is such as to show that all motors can not be operated simultaneously under load, in which case the maximum load capable of simultaneous operation will be used.

SCHEDULE P-5 Cont'd

(Cancelling P-5)

SPECIAL CONDITIONS: Cont'd

(b) Demand: (Cont'd) .

thirty minute interval in the month. The maximum demand on which the demand charge and energy block will be based will not be less than 50 percent of the greatest maximum demand occurring during the eleven preceding months.

Demands occurring between the hours of 11:00 P.M. and 6:00 A.M. of the following day will not be considered in computing charges under this schedule.

(c) All voltages referred to in this schedule are nominal voltages.

SCHEDULE P-6

(Cancelling P-6)

RESALE POWER SERVICE:

Applicable to electric service to other electric utilities and to municipalities for distribution and resale. Service to be supplied at standard voltages of 2200 volts or over.

TERRITORY:

Entire territory served.

RATE (A):

Service at 2200 volts up to and including lines of 25000 volts.

(1) Demand Charge

First	50 KW	or less of maximum demand	....	\$90.	per month
Next	150 "	" of maximum demand	.....	1.50	per KW
"	300 "	" " " "	.....	1.00	" "
"	500 "	" " " "	.....	.75	" "
All over	1000 "	" " " "	.....	.60	" "

plus

(2) Energy Charge (to be added to the demand charge)

First	150 KWH	per KW per month	.....	.80	per KWH
Next	250 "	" " " " "	.....	.60	" "
All over	400 "	" " " " "	.....	.55	" "

RATE (B):

Service at line voltages in excess of 25000 volts.

(1) The rate is the same as that set forth under (A) above with the demand charge decreased by 15% and the energy charge by 3%.

DISCOUNTS:

The above rates (A) and (B) are subject to a special discount allowed to assist in developing rural territory equal to 10% times the ratio of the purchasing companies KWH sales for service rendered in rural (unincorporated) territory to the total KWH sales. The discount to be applied for any calendar year will be based on the previous years sales of the resale

SCHEDULE P-6 Cont'd
(Cancelling P-6)

utility.

SPECIAL CONDITIONS:

(a) Optional Rate

Service to loads of less than 50 KW demand may, at the option of the consumer, be billed under Schedule P-1.

(b) Voltage

Service under Rate (A) will be supplied by the Company at standard voltages of 2200 volts or more up to and including 25 KV lines at the consumer's option.

Service under Rate B will be supplied by the Company at its standard line voltages as available above 25 KV.

(c) Demand

The maximum demand in any month will be the average kilowatt delivery of the thirty minute interval in which the consumption of electric energy is greater than in any other thirty minute interval in the month. The maximum demand on which the demand charge and energy block will be based will not be less than 50 percent of the greatest maximum demand occurring during the eleven preceding months.

Any demand occurring between the hours of 11:00 P.M. and 6:00 A.M. of the following day will not be considered in computing the charges under this schedule.

(d) Combination of Points of Delivery

When service is delivered to a system at two or more interconnected points, charges will be based on the maximum simultaneous demand and the blocks of the demand charge will be multiplied by the number of points of delivery. When energy is delivered at voltages both above and below 25000 volts the discount for high voltage delivery applicable to the total demand charge will be the same proportion of 15% that the difference be-

tween the maximum combined simultaneous demand and the maximum simultaneous demand at voltages below 25000 volts is of the maximum combined simultaneous demand and the discount for high voltage delivery applicable to the total energy charge will be the same proportion of 3% that the energy delivered at voltages in excess of 25000 volts is of the total energy delivered.

SCHEDULE P-7 of GREAT WESTERN POWER CO.

(Cancelling P-7)

ELECTRO-CHEMICAL AND ELECTRO-METALLURGICAL SERVICE.

Applicable to service to electro-chemical and electro-metallurgical service supplied from distribution lines of 11,000 volts or over as available. This schedule contemplates an average monthly power factor of at least 85 per cent.

TERRITORY.

Applicable to the entire territory served except in San Mateo and the city and county of San Francisco.

RATE.

Average monthly power factor of 100 per cent--

First	200 KW or less of maximum demand.....	\$875.	per mo.		
Next	300 " of maximum demand --	\$4.00	per KW	"	"
Next	500 " " " " --	3.75	" " " "	"	"
All over	1,000 " " " " --	3.60	" " " "	"	"

Average monthly power factor less than 100 per cent--

When the average monthly power is less than 100 per cent, ~~at~~ the above charges plus the following charges will apply:

- N.S.M.*
- 3 ¢ per month per kilowatt of maximum demand for each 1 per cent that the average monthly power factor is less than 100% to and including an average monthly power factor of 95 per cent plus.
 - 4 ¢ per month per kilowatt of maximum demand for each 1 per cent that the average monthly power factor is less than 95 per cent to and including an average monthly power factor of 90 per cent plus.
 - 6 ¢ per month per kilowatt of maximum demand for each 1 per cent that the average monthly power factor is less than 90 per cent to and including an average monthly power factor of 85 per cent.

SPECIAL CONDITIONS.

(a) Voltages--

Service under this schedule will be supplied by the company at standard line voltage of 11,000 volts or more as available.

SCHEDULE P-7 of GREAT WESTERN POWER CO.- Cont'd

(Cancelling P-7)

(b) Maximum demand--

The maximum demand in any month will be the average kilowatt delivery indicated or recorded by instruments to be supplied, owned and maintained by the company and at the expense of the company, of that 30-minute interval in which the consumption of electric energy is greater than in any other 30-minute interval in the month.

(c) Contracts--

The company may require a contract not to exceed three years for service under this schedule.

(d) Applicability--

This schedule is not an open schedule and service will be granted under it only at the option of the power company or on order of the Railroad Commission, but in no event will the schedule be granted where the consumer's monthly maximum demand is less than 200 kilowatts nor more than 5000 kilowatts, nor where the consumer's average monthly power factor is less than 85 per cent.

SCHEDULE P-7 of PACIFIC GAS AND ELECTRIC COMPANY
(Cancelling P-7)

SCHEDULE P-8 of GREAT WESTERN POWER COMPANY
(Cancelling P-8)

STAND-BY AUXILIARY SERVICE:

Applicable to stand-by or breakdown service supplied to consumers whose premises are regularly supplied with light or power from a privately owned source of supply; to auxiliary service supplied to consumers who at times take service (by means of a double-throw switch) from another public service company; and to other electric service where the Company must stand ready at all times to supply electricity for light or power, but where the use of electric service is not of a usual, regular or continuous character. The maximum load served under this schedule is 1,000. kilowatts.

TERRITORY:

Applicable to the entire territory.

MINIMUM CHARGE:

For stand-by or auxiliary service rendered under this schedule the minimum charge per kilowatt or maximum load, either light or power, which the Company agrees to stand ready to supply to the consumer will be:

First	20 KW of maximum load	\$2.00 per KW per mo.
Next	80 " " " "	1.50 " " " "
All over	100 " " " "	1.25 " " " "

In no case, however, will the minimum charge be less than \$20.00 per month per service.

In case the consumer desires the Company to stand ready to supply the entire connected load of the consumer's plant, or an isolated part thereof, then such maximum load will be estimated by the Company, based on tests and other information available. In case the consumer desires the Company to stand ready to supply

a number of kilowatts less than the maximum demand of the entire consumer's plant, or an isolated part thereof, then the consumer shall at his own expense furnish and install a suitable circuit breaker enclosed in a steel box equipped with lock, all to be approved by and under the sole control of the Company and the adjustment and operation of said circuit breaker to be in no way interfered with by the consumer. This circuit breaker shall be set to break the connection with the Company's service in case the consumer's maximum demand shall at any time materially exceed the number of kilowatts which the Company is obligated to stand ready to supply. If said circuit breaker should open, due to excess of consumer's demand above the number of kilowatts agreed on, the Company will renew the connection upon due notice.

This schedule will be used in connection with such other rate schedule, applicable to the class of business, if continuously supplied, as the consumer may select. The rate specified herein will, except as provided below, replace the minimum charge specified in such appropriate schedule, but the kilowatt-hour charge, Demand Charge, and all other conditions specified in said rate schedule (except non-applicability to stand-by service) will remain unchanged.

Where the rate schedule applicable carries a higher minimum charge than the minimum specified herein, the former will be substituted for that provided herein.

Metering and billing for stand-by service will be kept separate and distinct from the metering and billing for regular exclusive service applied at the same location.

This schedule will only apply where the consumer will sign a contract for at least one year.

SCHEDULE P-8 of Pacific Gas and Electric Co.
(CANCELLING P-8) of " " " " "
SCHEDULE P-9 of Great Western Power Company
(CANCELLING P-9) of " " " " "

SERVICE TO X-RAY APPARATUS:

TERRITORY:

Applicable to entire territory served.

RATE:

Where X-Ray apparatus is separately served it shall be classed as power equipment, and service will be rendered in accordance with the rates for general power service applying in the various territories; except that the horsepower (or kilowatt) minimum provision of any such rate shall be modified as provided below.

At the consumer's option, service to X-Ray apparatus may be rendered at the lighting rate, in which case it may be combined (where physically practicable) on the same meter with regular lighting service; provided that the minimum provisions specified below will apply in all cases.

MINIMUM CHARGE:

Where the Company finds it necessary to install any special equipment other than the customary meter and service, in order to render service to an X-Ray apparatus, the minimum monthly charge shall be \$.50 per kilowatt of X-Ray capacity, or \$.50 per kilowatt of special transformer capacity required to serve same.

Where service to an X-Ray apparatus does not require the installation of any special equipment, no horsepower (or kilowatt) minimum shall apply, and only the meter minimum specified in the rate used need be considered; provided that in no case shall the minimum be less than \$.90 per month per meter.

SCHEDULE P-9 of Pacific Gas and Electric Co.
 (Cancelling P-9) of " " " " "
SCHEDULE P-10 of Great Western Power Company.
 (Cancelling P-10 of " " " " ")

RAILWAY SERVICE:

Applicable to energy used for motive power.

TERRITORY:

Entire territory served.

RATE:

	<u>Alternating Current</u>	<u>Direct Current</u>
First 300 KWH per month per KW of maximum demand	.85¢ per KWH	1.15¢ per KWH
Over 300 KWH per month per KW of maximum demand	.75¢ " "	1.00¢ " "
Monthly minimum charge per KW of maximum demand	\$1.75 " "	\$2.50 " "

SPECIAL CONDITIONS:

(a) Applicability of Schedule.

This schedule applies to direct current at trolley voltage delivered to railway feeders or to alternating current at distribution or transmission line voltage delivered to railway substations and used principally for the propulsion of cars and trains. Energy delivered at such points and voltages may also be used for lighting and power purposes incidental to railway operations, but energy delivered at separate points for shops, stations, etc., will be billed at the regular rates applicable to such uses. This schedule also applies to service to cable street railways.

(b) Maximum Demand.

"Maximum demand", as used in this schedule, means the average load for the thirty minute interval in which the consumption of energy is greater than in any other thirty minute interval during the month, but demands

created on Sundays, legal holidays, after noon on Saturdays, between eleven o'clock any evening and six o'clock the following morning, or as the result of interruptions in the power company's service, will not be considered.

(c) Points of Delivery.

When service is supplied at more than one point of delivery the maximum simultaneous demand will be used. When both alternating and direct current are supplied, the charges for direct current service will be based on the maximum simultaneous direct current demand and the charges for alternating current will be based on the difference between the maximum simultaneous direct current demand and the maximum simultaneous combined direct and alternating current demand.

(d) Modification of Rate for Interruption of Service.

The foregoing rates and minimum charges apply to continuous service. The rates and minimum charges applicable in any month will be reduced by one-tenth of one percent for each minute during which the delivery of energy is suspended by the power company, provided that:

1. Suspension of service for less than ten minutes or between midnight and six A.M., or that has been mutually agreed upon, will not be considered.
2. The resumption of service for less than five minutes will not be considered as terminating an interruption.
3. The maximum reduction in rate on account of interruptions in any one day will be 25%, and on account of interruptions in any one month, 50%.

4. When service delivered at more than one point is interrupted at any one or more points, the percentage of reduction in rate computed as though the entire service was interrupted, will be multiplied by the ratio the energy delivered at the points affected bears to the total energy delivered for the month.