

Decision No. 13893

BEFORE THE RAILROAD COMMISSION OF THE STATE OF CALIFORNIA.

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In the Matter of the Application)
of Mt. Shasta Power Corporation)
and Pacific Gas and Electric Com-)
pany for an order of the Railroad)
Commission of the State of Calif-)
ornia authorizing applicant, Mt.)
Shasta Power Corporation, to file)
and place in effect the schedules)
of rates and charges for electric)
service set forth in Exhibit "A")

Application No. J0171

ORIGINAL

C.P.Cutten for Applicant

BY THE COMMISSION:

O P I N I O N

In this application Mt. Shasta Power Corporation and Pacific Gas and Electric Company ask that the rates and charges for electric service now on file with this Commission be cancelled and that certain new rates and charges for electric service be authorized.

All of the outstanding stock of Mt. Shasta Power Corporation, except shares necessary to qualify directors, is owned by the Pacific Gas and Electric Company. Mt. Shasta Power Corporation in addition to holding title to the Pit River power plants, owns an electrical distributing system at Fall River Mills and vicinity. Only a small portion of the energy generated is distributed directly to consumers from the lines of Mt. Shasta Power Corporation.

The rates and charges proposed by applicant are the rates and charges now in effect upon the Pacific Gas and Electric Company's system, exclusive of those rates and charges which would not be applicable in the Mount Shasta territory.

A public hearing was held in the town of Fall River Mills on July 15, 1924, testimony being introduced, and the matter submitted for decision.

Through the testimony of R. Jenny, acting rate engineer for Pacific Gas and Electric Company, it was developed that the proposed schedules would cause a material reduction in gross revenue to the advantage of agricultural, general power and general lighting groups of consumers, and to the detriment of street lighting and combination lighting, heating and cooking consumers.

Counsel for applicant stated that there was no intent to penalize consumers now receiving service under street lighting or combination lighting, heating and cooking schedules, and suggested that this Commission authorize such consumers to be continued at the present rates. Such provision will be made in the order following this opinion.

In view of the relations existing between Mt. Shasta Power Corporation and Pacific Gas and Electric Company, and the comparatively small amount of revenue involved, no discussion of financial questions is necessary.

Mt. Shasta Power Corporation being in fact an integral part of the Pacific Gas and Electric Company, there can be no reason to further continue in effect rates which are discriminatory against the consumers of Mt. Shasta Power Corporation, and the application will therefore be granted.

O R D E R

Mt. Shasta Power Corporation and Pacific Gas and Electric Company having made application for an order authorizing Mt. Shasta Power Corporation to cancel present rates and charges for electric energy and to file certain new rates and charges for electric energy, a public hearing having been held, the matter being submitted and now ready for decision.

The Railroad Commission hereby finds as a fact that the electric rates of Mt. Shasta Power Corporation are unjust, unreasonable and discriminatory insofar as they differ from the electric rates hereinafter set forth, which are declared to be just and reasonable rates.

Basing its order on the foregoing findings of fact, and on the findings of fact in the opinion preceding this order,

IT IS HEREBY ORDERED THAT

1. Mt. Shasta Power Corporation charge and collect for electric service now supplied under filed schedules the rates set forth in Exhibit "A" attached hereto and made a part hereof.

Such rates to be filed with this Commission on or before September 1, 1924, and to become effective with meter readings taken on and after September 1, 1924, and for flat rate service delivered on and after September 1, 1924.

2. Mt. Shasta Power Corporation, at the option of the consumers, continue to charge and collect for service supplied to existing consumers under its Schedules L-5 C.R.C. Sheet No.7 E, C-1 C.R.C. Sheet No.8 E and P-2 C.R.C. Sheet No.10 E, the rates and charges therein, provided, that these schedules shall be closed to future consumers.

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

Dated at San Francisco, California, this 8th day of August, 1924.

C. Deary
H. B. Brindley
Irving Martin
Edward Shore
J. V. Whittier
Commissioners

EXHIBIT "A"

SCHEDULE L-1

(Cancelling Schedules L-1, L-2, L-3, L-4)

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:

Entire territory served.

RATE:

First	10 KWH or less per meter per month	\$ 1.25 per month
Next	40 KWH per meter per month	7¢ per KWH
Next	150 KWH per meter per month	6¢ per KWH
Next	800 KWH per meter per month	5¢ per KWH
Next	2,000 KWH per meter per month	4¢ per KWH
All over	3,000 KWH per meter per month	3½¢ per KWH

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-2

(Cancelling Schedule L-5)

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:

Entire territory served.

RATE:

	Lamp Rating	MONTHLY CHARGE PER LAMP	
		All Night Service	Reduction for each hour reduction in Nightly Service
Multiple Lamps	25 Watts	\$0.95	1¢
	40 Watts	1.25	2¢
	50 Watts	1.45	3¢
	60 Watts	1.70	3¢
	75x Watts	2.00x	4¢
	100x Watts	2.50x	5¢
	150x Watts	3.20x	7¢
	200x Watts	3.75x	12¢
	300x Watts	4.40x	13¢
	400x Watts	5.00x	17¢
Series Lamps	500x Watts	5.40x	20¢
	60 C.P.	\$ 1.30	2¢
	80 C.P.	1.65	3¢
	100x C.P.	1.85x	4¢
	250x C.P.	3.20x	7¢
	400x C.P.	4.05x	12¢
Arc Lamps	600x C.P.	4.80x	16¢
	4 amp. luminous	4.60	15¢
	6.6 amp. luminous	5.00	15¢

x 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 hours per year)	11 hours per night
Moonlight Service (2240 hours per year)	6 hours per night
Midnight Service (2000 hours per year)	5½ hours 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 per cent 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 Schedule 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 k.w.h. per meter per month.....3.5¢ per k.w.h.
All over 150 k.w.h. per meter per month.....2.0¢ per k.w.h.
- (b) Combination Lighting, with heating, cooking and/or water heating service:
First 30 k.w.h. per meter per month.....(x)
Next 150 k.w.h. per meter per month..... 3.5¢ per k.w.h.
All over 180 k.w.h. per meter per month..... 2.0¢ per k.w.h.
(x) Charge for first 30 k.w.h. at effective lighting rate.

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

MINIMUM CHARGE:

- First 7 k.w. or less of heating, cooking and/or water heating capacity
\$3.00 per month.
Over 7 k.w. of heating, cooking and/or water heating capacity
\$0.50 per k.w. 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 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 k.w. capacity for residences, flats or apartments of 8 rooms or less and 5 k.w. 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 k.w. All equipment assumed as operating at 100 per cent 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 Schedule C-1)

COMMERCIAL HEATING AND COOKING:

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 kilowatts. 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 P-1

(Cancelling Schedule 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 in accordance with Rule and Regulation No. 2 (b). Schedule P-2 is optional with this schedule for alternating current service.

TERRITORY:

Entire territory served.

RATE:

HP of Connected Load		RATE PER K.W.H. FOR MONTHLY CONSUMPTION OF			
		First 50 k-w.h. per h.p.	Next 50 k-w.h. per h.p.	Next 150 k-w.h. per h.p.	All over 250 k-w.h. per h.p.
2-9	HP.....	4.0¢	2.1¢	1.3¢	.9¢
10-24	HP.....	3.6	2.0	1.2	.9
25-49	HP.....	3.1	1.9	1.1	.8
50-99	HP.....	2.6	1.7	1.1	.75
100-249	HP.....	2.3	1.5	1.0	.7
250-499	HP.....	2.1	1.3	.9	.65
500-999	HP.....	2.0	1.2	.9	.6
1000-2499	HP.....	1.9	1.1	.9	.6
2500 HP and 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.

When the primary use of power is seasonal, the minimum charge may at the option of the consumer be made accumulative over a 12-month period.

SPECIAL CONDITIONS:

(a) Voltage: This schedule of rates will apply to service rendered at any standard voltage in accordance with the Rules and Regulations of the Company. 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 per cent 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.

Demand 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 Schedule P-1)

INTERMITTENT SERVICE:

Optional with Schedule P-1 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. of connected load..... 3.50 per h.p. per year

Energy charge

N.S.M. 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 Schedules P-2, 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 k.w.h. for Consumptions per h.p. per year of			
		First 1000 k.w.h.	Next 1000 k.w.h.	Next 1000 k.w.h.	All over 3000 k.w.h.
2-4 HP.....	\$6.60x	1.6¢	1.2¢	.9¢	.7¢
5-14 HP.....	6.00	1.4	1.1	.8	.7
15-49 HP.....	5.40	1.2	1.0	.8	.7
50-99 HP.....	4.50	1.1	.9	.75	.7
100-249 HP.....	3.90	1.1	.9	.75	.7
250-499 HP.....	3.75	1.05	.85	.75	.7
500-999 HP.....	3.60	1.00	.85	.75	.7
1000-2499 HP.....	3.30	1.00	.85	.75	.7
2500 HP and over...	3.00	1.00	.85	.75	.7

x In no case will the total annual demand charge 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:

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

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

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.

(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:

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

(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.

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.

Month in which service commences or is discontinued	Factor	
	New Service	Discontinued Service
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 service will be at the lower rate.

SCHEDULE P-4

WHOLESALE POWER SERVICE:

Applicable to general power supplied at a standard voltage of 2200 volts or over.

TERRITORY:

Entire territory served.

RATE (A) :

Service at 2200 volts up to and including 25,000 volts

Demand Charge

First	200 k.w. or less of maximum demand.....	\$3.00 per month
Next	300 k.w. of maximum demand	\$1.00 per k.w. per month
Next	500 k.w. of maximum demand ....	.75 per k.w. per month
All over	1000 k.w. of maximum demand ....	.60 per k.w. per month

Energy Charge (to be added to the Demand Charge)

First	150 k.w.h. per k.w. per month	8¢ per k.w.h.
Next	250 k.w.h. per k.w. per month	6¢ per k.w.h.
All over	400 k.w.h. per k.w. per month	5¢ per k.w.h.

RATE (B) :

Service at line voltages in excess of 25,000 volts

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

SPECIAL CONDITIONS:

(a) Voltage

Service under Rate (A) will be supplied by the Company at standard voltages of 2200 volts or more up to and including 25,000 volts, as requested by the consumer. Service under Rate (B) will be supplied by the Company at standard line voltages above 25,000 volts as available.

(b) 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 per cent of the greatest 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.