

TACOMA POWER

ELECTRIC RATE SCHEDULES

April 1, 2020

TACOMA POWER

Municipal Code	Title	Schedule	Page
12.06.160	Residential Service	A-1	3
12.06.165	Low-Income Senior and/or Low-Income Disabled Discount Residential Service	A-2	6
12.06.170	Small General Service	B	8
12.06.215	General Service	G	11
12.06.225	High Voltage General Service	HVG	15
12.06.260	Contract Industrial Service	CP	19
12.06.290	Street Lighting and Traffic Signal Service	H-1	24
12.06.300	Private Off-Street Lighting Service	H-2	28
12.06.295	Street Lighting Service	H-3	30
12.06.371	Electric Vehicle Fast Charge	DC	34
12.06.370	Renewable Energy Program	EO	38
12.06.310	Power Factor Provisions	P	39
12.06.314	Tax Credit	TC	41

TACOMA POWER

SCHEDULE A-1

RESIDENTIAL SERVICE

12.06.160

A. AVAILABILITY:

Available for domestic purposes in residences, apartments, duplex houses and multiple family dwellings.

B. APPLICABILITY:

To single residences, individually metered apartments and per apartment for collectively metered apartments.

C. MONTHLY RATE:

The sum of the following energy, delivery and customer charges:

Effective April 1, 2019.

1. Energy:
All energy measured in kilowatt-hours at \$.045351 per kWh.
2. Delivery:
All energy delivered in kilowatt-hours at \$0.034891 per kWh.
3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$16.90 per month for all but collectively metered apartments;
\$13.85 per month for collectively metered apartments.
4. Exceptions:
 - (a) Within the City of Fife:
 - (1) Energy:
All energy measured in kilowatt-hours at \$.045351 per kWh.
 - (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034891 per kWh.
 - (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$16.90 per month for all but collectively metered apartments;
\$13.85 per month for collectively metered apartments.

TACOMA POWER

SCHEDULE A-1

RESIDENTIAL SERVICE

12.06.160

C. MONTHLY RATE (continued)

4. Exceptions (continued)

(b) Within the City of Fircrest:

- (1) Energy:
All energy measured in kilowatt-hours at \$.045351 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034891 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$16.90 per month for all but collectively metered apartments;
\$13.85 per month for collectively metered apartments.

(c) Within the City of Lakewood:

- (1) Energy:
All energy measured in kilowatt-hours at \$.045351 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034891 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$16.90 per month for all but collectively metered apartments;
\$13.85 per month for collectively metered apartments.

(d) Within the City of Steilacoom:

- (1) Energy:
All energy measured in kilowatt-hours at \$.045351 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034891 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$16.90 per month for all but collectively metered apartments;
\$13.85 per month for collectively metered apartments.

TACOMA POWER

SCHEDULE A-1

RESIDENTIAL SERVICE

12.06.160

C. MONTHLY RATE (continued)

4. Exceptions (continued)

(e) Within the City of University Place:

- (1) Energy:
All energy measured in kilowatt-hours at \$.045351 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034891 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$16.90 per month for all but collectively metered apartments;
\$13.85 per month for collectively metered apartments.

D. SERVICE CONDITIONS

1. Where load conditions warrant, three-phase electric service may be made available by prior written agreement.
2. Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

SCHEDULE A-2

LOW-INCOME SENIOR AND/OR LOW-INCOME DISABLED DISCOUNT

RESIDENTIAL SERVICE

12.06.165

A. AVAILABILITY:

Available for domestic purposes in residences, apartments, duplex houses and multiple family dwellings.

B. APPLICABILITY:

To single residences and individually metered apartments.

To Tacoma Power customers who:

1.
 - (a) Are 62 years of age or older, and have a maximum household annual income of not more than 150 percent of the poverty guidelines established by the U.S. Department of Health and Human Services (or its successor agency) as computed annually and published in the Federal Register; or
 - (b) Receive Supplemental Security Income pursuant to 42 USC Sections 1381 through 1383; or
 - (c) Are disabled and receive income from a disability program as a result of a disability that prevents working consistent with the requirements of 42 USC Section 401 et seq. and whose annual household income, together with all household members, does not exceed 150 percent of the poverty guidelines established by the U.S. Department of Health and Human Services (or its successor agency) as computed annually and published in the Federal Register for the number of individuals in the household; and
2. Are a single occupant or the head of a household or the spouse of the head of the household; and
3. Reside in the dwelling unit; and
4. Are billed or are the spouse of a person billed by Tacoma Power; and
5. Customers who have been certified eligible by the authorized administering agency on or before March 31, 2003, and who have an active City of Tacoma Department of Public Utilities (d.b.a. Tacoma Public Utilities) utility account (prior to said date) shall be grandfathered pursuant to the prior income eligibility criteria until such account closes. If a customer closes the active account and does not reestablish a new account within ten business days, or if a customer has never applied for the discount rate, then the customer must apply in accordance with the hereinabove criteria.

SCHEDULE A-2

LOW-INCOME SENIOR AND/OR LOW-INCOME DISABLED DISCOUNT

RESIDENTIAL SERVICE

12.06.165 (continued)

B. APPLICABILITY: (continued)

5. (continued)

Eligibility shall be certified by Tacoma Power in conjunction with the appropriate authorized administering organization. Each applicant may be contacted regarding weatherization services.

C. MONTHLY RATE:

70 percent of the monthly bill as calculated under Section 12.06.160 of the Tacoma Municipal Code, known as RESIDENTIAL SERVICE – SCHEDULE A-1.

D. SERVICE CONDITIONS:

1. Where load conditions warrant, three-phase electric service may be made available by prior written agreement.
2. Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

TACOMA POWER

SCHEDULE B

SMALL GENERAL SERVICE

12.06.170

A. AVAILABILITY:

For nonresidential lighting, heating, and incidental power uses where a demand meter may be installed. Also for nonresidential incidental power uses where a meter is not installed. The customer's actual demand as determined by Tacoma Power may not exceed 50 kilovolt amperes or total connected load as estimated by Tacoma Power may not exceed 65 kilowatts upon initial service energization.

B. MONTHLY RATE:

The sum of the following energy, delivery and customer charges:

Effective April 1, 2019.

1. Energy:
All energy measured in kilowatt-hours at \$0.044616 per kWh.
2. Delivery:
All energy delivered in kilowatt-hours at \$0.034895 per kWh.
3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$23.00 per month for all but unmetered services;
\$17.90 per month for unmetered services.

SCHEDULE B
SMALL GENERAL SERVICE

12.06.170 (continued)

B. MONTHLY RATE (continued)

4. Exceptions:

(a) Within the City of Fife:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.044616 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034895 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$23.00 per month for all but unmetered services;
\$17.90 per month for unmetered services.

(b) Within the City of Fircrest:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.044616 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034895 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$23.00 per month for all but unmetered services;
\$17.90 per month for unmetered services.

(c) Within the City of Lakewood:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.044616 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034895 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$23.00 per month for all but unmetered services;
\$17.90 per month for unmetered services.

TACOMA POWER

SCHEDULE B

SMALL GENERAL SERVICE

12.06.170 (continued)

B. MONTHLY RATE (continued)

4. Exceptions (continued)

(d) Within the City of Steilacoom:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.044616 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034895 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$23.00 per month for all but unmetered services;
\$17.90 per month for unmetered services.

(e) Within the City of University Place:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.044616 per kWh.
- (2) Delivery:
All energy delivered in kilowatt-hours at \$0.034895 per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$23.00 per month for all but unmetered services;
\$17.90 per month for unmetered services.

C. SERVICE CONDITIONS:

1. The maximum allowable total connected motor rating is 7.5 horsepower (5.6 kilowatts) exclusive of motors of 1/4 horsepower and under for standard plug-in applications.
2. At the option of Tacoma Power, a customer may be transferred to a demand metered rate if the customer's actual demand has exceeded 50 kilovolt amperes at least three times in the prior 24-month period.
3. Power factor provision applicable.
4. Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

TACOMA POWER

SCHEDULE G

GENERAL SERVICE

12.06.215

A. AVAILABILITY:

For general power use where a demand meter is installed, for standby capacity to customers generating all or a part of their electric power requirements, and for intermittent use. The customer's actual demand as determined by Tacoma Power must exceed 50 kilovolt amperes or total connected load as estimated by Tacoma Power must exceed 65 kilowatts upon initial service energization.

For customers providing all their own transformation from Tacoma Power's distribution system voltage, a discount for transformer investment and maintenance will be provided by reducing the monthly bill by 0.8 percent. For customers metered on the primary side of a transformer, a discount for transformer losses will be provided by reducing the monthly bill by 1 percent. These discount percentages are additive, and not compounded.

B. MONTHLY RATE:

The sum of the following energy, delivery, and customer charges:

Effective April 1, 2019.

1. Energy:
All energy measured in kilowatt-hours at \$0.047317 per kWh.
2. Delivery:
All kilowatts of Billing Demand delivered at \$8.43 per kW.
3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$78.00 per month.

TACOMA POWER

SCHEDULE G

GENERAL SERVICE

12.06.215 (continued)

B. MONTHLY RATE (continued)

4. Exceptions:

(a) Within the City of Fife:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.047317 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$8.43 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$78.00 per month.

(b) Within the City of Fircrest:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.047317 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$8.43 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$78.00 per month.

(c) Within the City of Lakewood:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.047317 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$8.43 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$78.00 per month.

TACOMA POWER

SCHEDULE G

GENERAL SERVICE

12.06.215 (continued)

B. MONTHLY RATE (continued)

4. Exceptions (continued)

(d) Within the City of Steilacoom:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.047317 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$8.43 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$78.00 per month.

(e) Within the City of University Place:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.047317 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$8.43 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$78.00 per month.

SCHEDULE G

GENERAL SERVICE

12.06.215 (continued)

C. BILLING DEMAND:

Determined by means of a demand meter, 30-minute interval, reset monthly. The Billing Demand shall be the highest of:

1. The highest measured demand for the month adjusted for power factor;
2. 60 percent of the highest measured demand occurring during any of the preceding 11 months after adjustment for power factor; or
3. 100 percent of the standby capacity.

For purposes of the determination of Billing Demand in subsection 2 above, the 11 months of history shall be carried forward from the customer's previous account(s).

D. STANDBY CAPACITY:

That amount of power requested by written application or estimated by the Director to be made continuously available for exclusive use of the customer.

E. SERVICE CONDITIONS:

1. At the option of Tacoma Power, primary metering may be installed where the service transformers aggregate 500 kVA or more.
2. At the option of Tacoma Power, a customer may be transferred to a non-demand metered rate if the customer's actual demand has not exceeded 50 kilovolt amperes in the prior 24-month period.
3. Power factor provision applicable.
4. Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

TACOMA POWER

SCHEDULE HVG

HIGH VOLTAGE GENERAL SERVICE

12.06.225

A. AVAILABILITY:

For general power use where a demand meter is installed and where a customer served does not require the use of Tacoma Power's distribution facilities other than substation transformation. Customers over 8 Megawatts who do not have a Power Service Agreement (Contract) with Tacoma Power will take service under TMC 12.06.215 General service. A Power Service Agreement (Contract) with Tacoma Power is required for customers who begin taking service under TMC 12.06.225 High voltage general service after April 16, 2017. For customers who provide all of their own transformation from Tacoma Power's transmission system voltage, a credit of 20.00 percent will be applicable to the delivery charge.

B. MONTHLY RATE:

The sum of the following energy, delivery, and customer charges:

Effective April 1, 2019.

1. Energy:
All energy measured in kilowatt-hours at \$0.042915 per kWh.
2. Delivery:
All kilowatts of Billing Demand delivered at \$4.89 per kW.
3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$1,590.00 per month.

SCHEDULE HVG

HIGH VOLTAGE GENERAL SERVICE

12.06.225 (continued)

B. MONTHLY RATE (continued)

4. Exceptions:

(a) Within the City of Fife:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.042915 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$4.89 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$1,590.00 per month.

(b) Within the City of Fircrest:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.042915 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$4.89 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$1,590.00 per month.

(c) Within the City of Lakewood:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.042915 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$4.89 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$1,590.00 per month.

SCHEDULE HVG

HIGH VOLTAGE GENERAL SERVICE

12.06.215 (continued)

B. MONTHLY RATE (continued)

4. Exceptions (continued)

(d) Within the City of Steilacoom:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.042915 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$4.89 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$1,590.00 per month.

(e) Within the City of University Place:

- (1) Energy:
All energy measured in kilowatt-hours at \$0.042915 per kWh.
- (2) Delivery:
All kilowatts of Billing Demand delivered at \$4.89 per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$1,590.00 per month.

SCHEDULE HVG

HIGH VOLTAGE GENERAL SERVICE

12.06.215 (continued)

C. BILLING DEMAND:

Determined by means of a demand meter, 30-minute interval, reset monthly. The billing demand shall be the highest of:

1. The highest measured demand for the month adjusted for power factor, or
2. 60 percent of the highest measured demand occurring during any of the preceding 11 months after adjustment for power factor.

For purposes of the determination of Billing Demand in subsection 2 above, the 11 months of history shall be carried forward from the customer's previous account(s).

D. SERVICE CONDITIONS:

1. Power factor provision applicable.
2. Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

TACOMA POWER

SCHEDULE CP

CONTRACT INDUSTRIAL SERVICE

12.06.260

A. AVAILABILITY:

For major industrial power use upon the execution of a written Power Service Agreement (Contract) with Tacoma Power, which shall require among other conditions:

1. A minimum Contract Demand (as set forth in the Contract) of not less than 8,000 kilowatts;
2. Delivery of power at one primary voltage;
3. Metering at primary voltage but in no case at less than nominal 4,160 volts;
4. Power factor adjustment to 95 percent lagging or better; and
5. Service is subject to curtailment and certain notice provisions are applicable.

B. MONTHLY RATE:

The sum of the following power service, delivery, customer and other charges:

Effective April 1, 2019.

1. Power Service Charges:

- (a) Energy:
All Contract Energy (as set forth in the Contract) measured in kilowatt-hours at \$0.033038 per kWh.
- (b) Demand:
All kilowatts of Billing Demand delivered at \$4.68 per kW.
- (c) Minimum Charge:
The Demand Charge.

SCHEDULE CP

CONTRACT INDUSTRIAL SERVICE

12.06.260 (continued)

B. MONTHLY RATE (continued)

1. Power Service Charges (continued)

(d) Contract Energy Overrun:

All energy measured in excess of the Contract Energy (as set forth in the Contract) is subject to a Contract Energy Overrun charge, pursuant to the following formula:

$$\text{Contract Energy Overrun Charge} = (\text{MWh} + \text{Losses}) \times (\text{THI} + \text{T}_x) \times 120\%$$

where:

MWh = the aggregate MWh over the day the customer's total measured daily load was above the Contract Energy amount;

Losses = MWh x 1.9%;

THI = the highest hourly price observed on the Tacoma Hourly Index within the day of overrun;

T_x = applicable BPA or successor organization, transmission rate in \$ per MWh.

(e) Contract Demand Overrun:

A Contract Demand Overrun charge shall be imposed when the total measured demand (highest 30-minute integrated demand) exceeds the Contract Demand (as set forth in the Contract). Said charge is pursuant to the following formula:

$$\text{Contract Demand Overrun Charge} = \text{MW} \times 300\% \times \text{DC}$$

where:

MW = MW of metered Demand in excess of the Contract Demand;

DC = Demand Charge.

2. Delivery:

All kilowatts of Billing Demand delivered at \$4.22 per kW.

3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:

\$3,980.00 per month.

SCHEDULE CP

CONTRACT INDUSTRIAL SERVICE

12.06.260 (continued)

B. MONTHLY RATE (continued)

4. Exceptions:

(a) Within the City of Fife:

(1) Power Service Charges:

i. Energy:

All Contract Energy (as set forth in the Contract) measured in kilowatt-hours at \$0.033038 per kWh.

ii. Demand:

All kilowatts of Billing Demand delivered at \$4.68 per kW.

iii. Minimum Charge:

The Demand Charge.

iv. Contract Energy Overrun:

All energy measured in excess of the Contract Energy (as set forth in the Contract) is subject to a Contract Energy Overrun charge, pursuant to the following formula:

$$\text{Contract Energy Overrun Charge} = (\text{MWh} + \text{Losses}) \times (\text{THI} + \text{T}_x) \times 120\%$$

where:

MWh = the aggregate MWh over the day the customer's total measured daily load was above the Contract Energy amount;

Losses = MWh x 1.9%;

THI = the highest hourly price observed on the Tacoma Hourly Index within the day of overrun;

T_x = applicable BPA or successor organization, transmission rate in \$ per MWh.

SCHEDULE CP

CONTRACT INDUSTRIAL SERVICE

12.06.260 (continued)

B. MONTHLY RATE (continued)

4. Exceptions (continued)

(a) Within the City of Fife (continued)

(1) Power Service Charges (continued)

v. Contract Demand Overrun:

A Contract Demand Overrun charge shall be imposed when the total measured demand (highest 30-minute integrated demand) exceeds the Contract Demand (as set forth in the Contract). Said charge is pursuant to the following formula:

$$\text{Contract Demand Overrun Charge} = \text{MW} \times 300\% \times \text{DC}$$

where:

MW = MW of metered Demand in excess of the Contract Demand;

DC = Demand Charge.

(2) Delivery:

All kilowatts of Billing Demand delivered at \$4.22 per kW.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies:
\$3,980.00 per month.

SCHEDULE CP

CONTRACT INDUSTRIAL SERVICE

12.06.260 (continued)

C. BILLING DEMAND:

Determined by means of a demand meter, 30-minute interval, reset monthly.

1. The Billing Demand shall be the highest of:
 - (a) The highest measured demand for the month, adjusted for power factor;
 - (b) 60 percent of the highest measured demand occurring during any of the preceding 11 months after adjustment for power factor,
 - (c) A demand level equal to the Contract Energy, in average megawatts (as set forth in the Contract), or
 - (d) 60 percent of the highest Contract Demand (as set forth in the Contract) during any of the preceding 11 months.

D. SERVICE CONDITIONS:

1. Power factor provision applicable; and
2. Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy and delivery services shall apply.

TACOMA POWER

SCHEDULE H-1

STREET LIGHTING AND TRAFFIC SERVICE

12.06.290

A. AVAILABILITY:

Available for:

1. Public street lighting service where the lighting system is in operation during hours of darkness and where the street light system and equipment is owned by the customer, or there have been other suitable prior written arrangements agreed to by Tacoma Power and the applicant; and
2. Traffic controllers, signal lights, warning lights, danger lights, pedestrian lights and similar uses, where the traffic control system and equipment is owned and maintained by the customer.

B. MONTHLY RATE:

Rates stated herein are for (1) unmetered installations [items 1 and 2] where charges are per fixture and shall be applied to the number of installed units on the system as determined by Tacoma Power at the time the billing is rendered, and (2) metered installations [item 3].

Effective April 1, 2019.

1. Street Lighting Units (Unmetered):

(a) Incandescent Lamps:

Nominal Wattage	Energy Charge Per Unit
Up to 150 Watts	\$3.22
151-220 Watts	\$4.73
221-320 Watts	\$6.87
321-520 Watts	\$11.17
521 & Over Watts	\$17.62

TACOMA POWER

SCHEDULE H-1

STREET LIGHTING AND TRAFFIC SERVICE

12.06.290 (continued)

B. MONTHLY RATE (continued)

1. Street Lighting Units (Unmetered) (continued)

(b) High Intensity Discharge Lamps:

Nominal Wattage	Continuous	Dusk to Dawn	Dusk to 2:20 a.m.
50 Watts	\$2.39	\$1.29	\$0.81
70 Watts	\$3.34	\$1.81	\$1.13
100 Watts	\$4.77	\$2.58	\$1.62
150 Watts	\$7.17	\$3.87	\$2.43
175 Watts	\$8.35	\$4.51	\$2.84
200 Watts	\$9.55	\$5.16	\$3.24
250 Watts	\$11.94	\$6.45	\$4.06
310 Watts	\$14.80	\$8.00	\$5.03
400 Watts	\$19.09	\$10.32	\$6.49
700 Watts	\$33.42	\$18.04	\$11.37
1000 Watts	\$43.76	\$23.64	\$14.88
1500 Watts	\$71.60	\$38.68	\$24.36

(c) At the discretion of Tacoma Power, all lamps not listed above may be charged the following equivalent rate: Energy charge for lamp installations not listed in the above tabulations shall be at the rate of \$39.78, \$21.49, and \$13.53 per month per kilowatt of total connected load for Continuous, Dusk to Dawn, and Dusk to 2:20 a.m. lamps, respectively.

2. Traffic Control Units (Unmetered)

(a)

Unit Type	Energy Charge Per Unit
(1) Red - Amber – Green	
Controllers	\$2.78
Heads	\$4.21
(2) Flashing	
Controllers	\$1.39
Heads	\$2.10

TACOMA POWER

SCHEDULE H-1

STREET LIGHTING AND TRAFFIC SERVICE

12.06.290 (continued)

B. MONTHLY RATE (continued)

2. Traffic Control Units (Unmetered) (continued)

(b) Incandescent Lamps

Unit Type	Energy Charge Per Unit					
	Red	Amber	Green	Flashing	Walk	Wait
8 Inch Bulb	\$2.31	\$0.13	\$1.77	\$2.10		
12 Inch Bulb	\$5.65	\$0.31	\$4.31	\$5.13		
Pedestrian Head					\$2.10	\$2.10

(c) Light Emitting Diodes (LED) Lamps:

Unit Type	Energy Charge Per Unit					
	Red	Amber	Green	Flashing	Walk	Wait
8 Inch Bulb	\$0.27	\$0.02	\$0.18	\$0.25		
12 Inch Bulb	\$0.43	\$0.02	\$0.36	\$0.39		
Pedestrian Head					\$0.25	\$0.25

(d) Neon Lamps

Unit Type	Energy Charge Per Unit	
	Walk	Wait
Pedestrian Head	\$0.21	\$0.83

(e) Controllers

Unit Type	Energy Charge Per Unit
Traffic	\$2.78
Flashing	\$1.39

(f) All lamps or controllers not listed above: Energy charge for lamp or controller installations not listed in the above tabulations shall be calculated by multiplying the unit wattage (in kW) x 730 hours x percent active x \$0.054960 per kWh per month.

TACOMA POWER

SCHEDULE H-1

STREET LIGHTING AND TRAFFIC SERVICE

12.06.290 (continued)

B. MONTHLY RATE (continued)

3. Street Lighting and Traffic Control Units (Metered): The sum of the following energy, delivery and customer charges:
 - (a) Energy: All energy measured in kilowatt-hours at \$0.035690 per kWh.
 - (b) Delivery: All energy delivered in kilowatt-hours at \$0.015415 per kWh.
 - (c) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$10.00 per month.

C. SERVICE CONDITIONS:

Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

TACOMA POWER

SCHEDULE H-2

PRIVATE OFF-STREET LIGHTING SERVICE

12.06.300

A. AVAILABILITY:

Available for outdoor lighting service along private street and roadways, over parking lots, and for general area lighting of private property, but excluding public streets within the City of Tacoma.

B. CHARACTER OF SERVICE:

1. Lighting under this schedule shall be limited to the hours of darkness when street and highway lights are normally in use. The hours of use shall be regulated by a photoelectric control.
2. Tacoma Power will install, own, and maintain the equipment.
3. Energy will be provided on an unmetered basis.

C. MONTHLY RATE:

Effective April 1, 2019.

1. High Pressure Sodium Lamps:

Lamp Rating (Watts/Lamp)	Type	Rental Charge
100-Watt	Sodium Vapor	\$13.47
200-Watt	Sodium Vapor	\$17.33
400-Watt	Sodium Vapor	\$34.65

2. All Other Lamps:

Lamp Rating (Watts-Equivalent/Lamp)	Rental Charge
0-200 Watt Equivalent	\$15.40
201-400 Watt Equivalent	\$34.65
401-800 Watt Equivalent	\$53.91
801-1000 Watt Equivalent	\$73.16
1001-1500 Watt Equivalent	\$92.42

3. Additional Equipment:

Fixtures will be installed on existing poles. Additional poles, wires, and accessories required for a lighting installation may be installed at applicant expense. A maximum of three poles will be allowed at a cost of \$624.23 per pole. Ancillary materials will be an additional expense. The customer shall pay the entire installation cost prior to installation.

TACOMA POWER

SCHEDULE H-2

PRIVATE OFF-STREET LIGHTING SERVICE

12.06.300 (continued)

C. MONTHLY RATE (continued)

4. For customers billed under low-income senior and/or low-income disabled discount residential service, Rate Schedule A-2, a discount will be provided by reducing the monthly bill by 30 percent.

D. SERVICE CONDITIONS:

Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

TACOMA POWER

SCHEDULE H-3

STREET LIGHTING SERVICE

12.06.295

A. FOR THE PURPOSE OF THIS SECTION, THE FOLLOWING DEFINITIONS APPLY:

1. "Jurisdiction" shall mean a city, town, county, or other political subdivision of the state of Washington within the Tacoma Power service territory.
2. "Service Point" shall have the same meaning as defined in the Tacoma Power Customer Service Policies (as authorized under TMC 12.06.330), which is the point where the customer's service conductors are connected to Tacoma Power's service utility conductors.
3. "Street Lighting Service" shall mean lighting service supplied by Tacoma Power, where Tacoma Power owns the streetlight fixtures and provides power to the Service Point during the duration of the service.
4. "Capital Recovery Period" shall mean the time period over which Tacoma Power will levy a charge equal to the amortized value of the investment cost for the streetlight fixtures. Unless an alternative time period is mutually determined in writing between Tacoma Power and the Jurisdiction, this period will be 15 years. Streetlight fixtures remain the property of Tacoma Power after the Capital Recovery Period unless a Transfer of Ownership Charge has been paid.
5. "Transfer of Ownership Charge" shall mean a charge levied when an unamortized balance remains and the Jurisdiction requests ownership of the fixtures. The charge is determined by costs of equipment, installation, Capital Recovery Period, and Utility Financing Cost minus payments made to date for the specific fixtures.
6. "Termination Charge" shall mean a charge levied when an unamortized balance remains and the Jurisdiction requests termination of Street Lighting Service. The charge is determined by costs of equipment, installation, removal, disposal, Capital Recovery Period, and Utility Financing Cost minus payments made to date for the specific fixtures.
7. "Utility Financing Cost" shall mean the current cost of capital financing to Tacoma Power, as determined solely by Tacoma Power.

B. SCHEDULE H-3 AVAILABILITY:

1. To qualify for Street Lighting Service under the Schedule H-3, the Jurisdiction must agree to convert a minimum of 300 Jurisdiction streetlights.
2. For service under Schedule H-3, a Jurisdiction must submit a request in writing to Tacoma Power. Tacoma Power reserves the right to delay provision of service under Schedule H-3 for up to two years after the request date.

SCHEDULE H-3

STREET LIGHTING SERVICE

12.06.295 (continued)

C. SERVICE CONDITIONS:

1. Monthly Rate: Rates stated herein are charged per fixture installed.
2. Streetlight Fixtures: Streetlight fixtures provided under the Schedule H-3 are owned by Tacoma Power unless the Transfer of Ownership provisions in this section are completed. Under the Schedule H-3, Tacoma Power will provide replacement streetlight fixtures as fixtures become inoperable.
3. Transfer of Ownership: A Jurisdiction may request in writing to purchase and transfer the ownership of and responsibility for a portion or all of a Jurisdiction's streetlight fixtures under this Schedule H-3 at any time. Transfer of ownership shall occur after the Jurisdiction has paid a Transfer of Ownership Charge. Until the Transfer of Ownership Charge payment is received by Tacoma Power, the Jurisdiction will be billed and must pay for service under the Schedule H-3. After transfer of ownership, service will be billed under the Schedule H-1 for non-Tacoma Power owned streetlight fixtures.
4. Termination: A Jurisdiction may request in writing to terminate Schedule H-3 Street Lighting Service for a portion or all of Tacoma Power owned streetlight fixtures at any time. In the event of termination, the Jurisdiction shall pay the Termination Charge. Until the Termination Charge payment is received by Tacoma Power, the Jurisdiction will be billed and must pay for service under the Schedule H-3.
5. Fixture Specifications: Tacoma Power will provide fixtures that meet the Jurisdiction Traffic Engineer's specifications. Tacoma Power may solicit input from the Jurisdiction on other fixture features, requirements, and options but retains final authority for fixture selection and purchase. Tacoma Power will purchase only such lighting fixture options as are directly related to Street Lighting Service. Non-streetlight related options that are determined by Tacoma Power to be compatible with the streetlight fixture are allowed. The Jurisdiction will be solely responsible for installation, operation, maintenance, and all costs associated with non-streetlight related options. The Jurisdiction shall notify Tacoma Power of the type, quantity, location, and energy requirements of all non-streetlight related options installed.
6. Liability: The Jurisdiction is wholly responsible for all illumination engineering to meet roadway lighting specifications and the operation of all non-streetlight related options. By accepting Street Lighting Service under Schedule H-3, the Jurisdiction agrees to hold Tacoma Power harmless from any claim for damages associated with the streetlight fixtures provided under this Schedule H-3.
7. Installation: Tacoma Power may authorize the Jurisdiction to install some or all streetlight fixtures covered under this Schedule H-3. If the Jurisdiction elects to perform such installations, the cost shall be at the expense of the Jurisdiction.

SCHEDULE H-3

STREET LIGHTING SERVICE

12.06.295 (continued)

C. SERVICE CONDITIONS (continued)

8. Service Point: Schedule H-3 will be available to provide Street Lighting Service to customer Service Points with existing streetlight fixtures only.
9. Poles and Circuits: The Jurisdiction that owns the poles and circuits associated with light service under Schedule H-3 shall be responsible for the appropriate maintenance of said poles and circuits. The Jurisdiction is responsible for the safe operation of the poles, circuits, and light fixtures. Tacoma Power reserves the right to refuse or discontinue service under Schedule H-3 if Tacoma Power determines a pole or circuit is inadequate to provide safe Street Lighting Service. In the event a Schedule H-3 streetlight fixture must be discontinued due to an unsafe condition, the Jurisdiction shall remedy the condition immediately or follow the Termination provision above.
10. Maintenance and Repair: The Jurisdiction is responsible for performing, at its sole expense, all maintenance and repair activities associated with the streetlight fixture provided by Tacoma Power under this Schedule H-3. Maintenance and repair includes, but is not limited to, labor and equipment. In the event a Schedule H-3 streetlight fixture fails, the Jurisdiction shall return the failed streetlight fixture to Tacoma Power for replacement. If the Jurisdiction damages a streetlight fixture while performing maintenance, the Jurisdiction will be responsible for the cost to repair or replace the streetlight fixture.
11. Energy: Tacoma Power will provide energy for the streetlight fixture up to the Jurisdiction provided Service Point.
12. Additional Rules: Applicable provisions of the Tacoma Municipal Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

SCHEDULE H-3

STREET LIGHTING SERVICE

12.06.295 (continued)

D. MONTHLY RATES:

The sum of the following energy and capital recovery charges:

1. Energy: Energy charge for lamp installations shall be the monthly rate of the otherwise applicable published rate schedule as set forth in Chapter 12.06.290 Street lighting and traffic signal service.
2. Capital Recovery Charge: For the biennium during which the fixtures shall be installed, the Capital Recovery Charge shall be calculated as follows:
 - (A) The monthly amount required to achieve full expense recovery from the Jurisdiction over the Capital Recovery Period shall be a net present value calculation based on the Utility Financing Cost and estimated installation cost.
 - (B) The amount calculated in a) shall be multiplied by the number of months in the rate period.
 - (C) The amount in b) shall be divided by the estimated number of fixture-months to be billed during the rate period.
3. Accounting records shall be kept that record the differences between actual and estimated installation cost, and actual and estimated fixture-months billed. For biennia subsequent to that in which the fixtures are installed, the Capital Recovery Charge shall be calculated as follows:
 - (A) The amount required to be recovered from the Jurisdiction each month of the Capital Recovery Period shall be a net present value calculation based on the Utility Financing Cost and actual installation cost.
 - (B) The amount calculated in (a) shall be multiplied by the number of months in the rate period.
 - (C) The amount in (b) shall be divided by the estimated number of fixture-months to be billed during the rate period.
 - (D) The amount in (c) shall be adjusted to reflect the difference between actual and estimated expenses and recoveries during the biennium during which the fixtures were installed.

SCHEDULE FC

ELECTRIC VEHICLE FAST CHARGE

12.06.371

A. DEFINITIONS:

1. Electric Vehicle – A vehicle that uses at least one method of propulsion that is capable of being reenergized by an external source of electricity, is designed to have the capability to drive at a speed of more than 35 miles per hour, and is licensed to drive on state and federal highways.
2. Electric Vehicle Charging Site – A site that hosts the equipment used to deliver electricity to an Electric Vehicle. Hosted equipment must meet all applicable electrical requirements for interconnection and nationally recognized testing laboratory standards.
3. Direct Current (DC) Fast Charger – Electric Vehicle charging equipment with a Direct Current connection that is designed to recharge the battery of an Electric Vehicle. Lighting under this schedule shall be limited to the hours of darkness when street and highway lights are normally in use. The hours of use shall be regulated by a photoelectric control.

B. AVAILABILITY:

No more than 25 installations may concurrently participate in this schedule, which will be available for a period of 13 years. Participation in this schedule will be on a first-come, first-served basis.

C. APPLICABILITY:

Service under this schedule is applicable to non-residential Electric Vehicle Charging Sites supplied through one point of delivery and measured separately from all other commercial loads through one meter. Electric Vehicle Charging Sites must be broadly available to the general public and must include at least one Direct Current (DC) Fast Charger. Ancillary uses, limited to no more than 5 kilovolt amperes (5 kVA) and specifically related to the provision of Electric Vehicle charging (such as lighting), are permitted under this schedule. Actual demand, as determined by Tacoma Power, must not exceed 1 megavolt-amperes (1 MVA).

For customers providing all their own transformation from Tacoma Power's distribution-system voltage, a discount for transformer investment and maintenance will be provided by reducing the monthly bill by 0.8 percent. For customers metered on the primary side of a transformer, a discount for transformer losses will be provided by reducing the monthly bill by 1 percent. These discount percentages are additive, and not compounded.

Unless extended by City Council resolution or ordinance, this schedule will conclude on December 31, 2031. On this date, customers enrolled in Schedule FC will transition their service in accordance with the applicable published rate schedules set forth in Chapter 12.06. Nothing shall prevent the City from adjusting this schedule as it may determine necessary or appropriate.

TACOMA POWER

SCHEDULE FC

ELECTRIC VEHICLE FAST CHARGE

12.06.371 (continued)

D. MONTHLY RATE:

The sum of the following energy, delivery, and customer charges:

1. Energy:

All energy, measured in kilowatt-hours, charged per kWh at:

all Energy charges of the otherwise applicable published rate schedule set forth in Chapter 12.06 + Energy Adder Discount x Energy Adder

Where Energy Adder Discount is applied in the year shown:

Effective Year	Energy Adder Discount
2019	1.0
2020	1.0
2021	1.0
2022	0.9
2023	0.8
2024	0.7
2025	0.6
2026	0.5
2027	0.4
2028	0.3
2029	0.2
2030	0.1
2031	0.0

And where Energy Adder is calculated per kWh at:

all applicable Energy charges of Section 12.06.170 + all applicable Delivery charges of Section 12.06.170 - all Energy charges of the otherwise applicable published rate schedule set forth in Chapter 12.06.

TACOMA POWER

SCHEDULE FC

ELECTRIC VEHICLE FAST CHARGE

12.06.371

2. Delivery:
All Billing Demand, measured in kilowatts, charged per kW at:

Delivery Charge Discount x all Delivery charges of the otherwise applicable published rate schedule set forth in Chapter 12.06.

Where Delivery Charge Discount is applied in the year shown:

Effective Year	Delivery Charge Discount
2019	0.0
2020	0.0
2021	0.0
2022	0.1
2023	0.2
2024	0.3
2025	0.4
2026	0.5
2027	0.6
2028	0.7
2029	0.8
2030	0.9
2031	1.0

3. Customer Charge: Customer Charge of the otherwise applicable published rate schedule set forth in Chapter 12.06.

E. BILLING DEMAND:

Determined by means of a demand meter, 30-minute interval, reset monthly.

The Billing Demand shall be the highest of:

1. The highest measured demand for the month adjusted for power factor; or
2. Sixty percent of the highest measured demand occurring during any of the preceding 11 months after adjustment for power factor.

SCHEDULE FC

ELECTRIC VEHICLE FAST CHARGE

12.06.371

F. SERVICE CONDITIONS.

1. Upon reasonable notice, customers participating in this schedule shall allow Tacoma Power access to the site in order to inspect, install, maintain, upgrade, replace, or remove Tacoma Power equipment, or to confirm compliance with the applicability conditions set forth hereinabove. If upon inspection Tacoma Power discovers any one of the applicability conditions are not met, service will be immediately transferred in accordance with the applicable published rate schedules set forth in Chapter 12.06.
2. Customers participating in this schedule retain the right to cancel service under this rate schedule and transfer to another applicable published rate schedule set forth in Chapter 12.06. The customer may not subsequently elect service under this rate schedule for at least one year after the effective date of cancellation.
3. An Electric Vehicle Charging Site is considered broadly available to the general public for the purposes of eligibility on this rate schedule if it is accessible by any driver. Eligibility and acceptance of a customer for service under this rate schedule is subject to review and approval by Tacoma Power.

G. REPORTING AND LIMITATION ON USE OF CUSTOMER USAGE INFORMATION.

Tacoma Power may publish reports related to this schedule, except when the report would result in publication of information attributable to a single individual customer.

TACOMA POWER

SCHEDULE EO

RENEWABLE ENERGY PROGRAM

12.06.370

A. AVAILABILITY:

Available to all customers taking permanent retail metered service to purchase qualified alternative energy resources to purchase on a voluntary basis.

B. APPLICABILITY:

In compliance with RCW 19.29A.090, Tacoma Power is offering its customers the option to purchase Tacoma Power supplied renewable energy credits. Customer participation is strictly on a voluntary basis. Customers may voluntarily begin or terminate their participation at any time by notifying Tacoma Power of their choice.

C. RATE:

The Renewable Energy Premium per kWh of renewable energy purchased under this rate schedule is:

Renewable Energy Premium: \$0.012000 per kWh

D. GENERAL PROVISIONS:

Base rates and other terms of electric service shall be governed by the rate schedule under which the customer takes primary services. This Renewable Energy Premium rate does not include electric service or electric power. Charges specified under this Renewable Energy Premium Rate Schedule are in addition to the charges specified in the rate schedule under which the customer takes its primary electricity service. The voluntary Renewable Energy program payments, less the costs of program administration, marketing, and renewable energy education, ("Net Renewable Energy Program Revenue"), will be used to purchase qualified alternative energy resources. Subject to the provisions of the ordinances authorizing issuance of Tacoma Power revenue obligations, Tacoma Power shall make available from its budgeted funds, for the purchase or development of new qualified alternative energy resources, an amount equal to the Net Renewable Energy Program Revenue allocated to existing Tacoma Power qualified alternative energy resources.

TACOMA POWER

SCHEDULE P

POWER FACTOR PROVISIONS

12.06.310

A. APPLICATION:

The provisions of this schedule shall be applicable to all electrical service, unless and until specific arrangements are made in writing with Tacoma Power to the contrary.

B. EQUIPMENT:

Except for portable equipment of less than three kVA rating and arc furnace loads as set forth in Adjustment Provision (2) below, all installations of neon, mercury vapor, fluorescent or other gaseous tube lighting, as well as welding transformers, X-ray machines, motors and any other electrical equipment having low power factor characteristics, which are hereafter installed, replaced, relocated or rearranged, shall include proper equipment to correct the power factor of such installations to not less than 95 percent lagging for each unit or separately controlled group of units, or 90 percent lagging for each separate service whose load primarily consists of an arc furnace(s).

Existing nonconforming electrical installations shall be subject to all provisions of this chapter and the installation of corrective equipment may be required by Tacoma Power.

All power factor corrective equipment installed or operated by the customer shall be so used as to further the objectives of this chapter without causing adverse voltage conditions upon Tacoma Power's system. Tacoma Power shall have the right to require the installation of suitable switching facilities and to disconnect or to refuse to furnish electric energy to any installation that, in the opinion of Tacoma Power, is detrimental to the rendering of satisfactory service to its other customers.

C. ADJUSTMENT PROVISIONS:

If the average power factor at which electric energy is delivered to the customer during the billing period is 95 percent or more, no adjustment will be made in the customer's billing for that period, unless otherwise provided in written contract.

If such average power factor is less than 95 percent, the customer's billing shall be adjusted as follows:

1. For demand type rate schedules which serve other than arc furnace loads, the measured demand in kilowatts shall be adjusted by multiplying by 0.95 and dividing the result by the average power factor. Such adjusted demands shall then become and thereafter be used as a basis for billing.
2. For demand type rate schedules which serve arc furnace loads, the measured demand in kilowatts shall be adjusted by multiplying by 0.90 and dividing the result by the average power factor. Such adjusted demands shall then become and thereafter be used as a basis for billing.

TACOMA POWER

SCHEDULE P

POWER FACTOR PROVISIONS

12.06.310

C. ADJUSTMENT PROVISIONS (continued)

3. Minimum charges shall be determined on the basis of 1 or 2 above, as applicable.
4. For loads up to 75 kilowatts connected, Tacoma Power may elect not to apply the adjustment provisions herein established.

D. MINIMUM AND AVERAGE POWER FACTOR:

Unless otherwise specifically agreed, Tacoma Power shall not be obligated to deliver electrical energy to the customer at any time at a power factor below 80 percent lagging.

The Average Power Factor (APF) is determined as follows:

As determined with a watt-hour meter and a var-hour meter:

$$APF = \frac{kiloWatt\text{hours}}{\sqrt{kiloWatt\text{hours}^2 + reactive\ kiloAmpere\text{hours}^2}}$$

The var-hour meters for measurement of reactive power shall be ratcheted to prevent reverse registration.

E. SERVICE CONDITIONS:

Applicable provisions of the City Code, Applicable provisions of the City Code, General Provisions, and Customer Service Policies governing the sale of electric energy shall apply.

TACOMA POWER

SCHEDULE TC

TAX CREDIT

12.06.314

A. AVAILABILITY:

This schedule is a supplemental schedule to all other Light Division electric rate schedules and is applicable to customers on whom the Department is not legally obligated to pay the State of Washington Public Utility Tax and/or any other taxes.

B. MONTHLY RATE:

The sum of all applicable electric rate schedule charges to such customers shall be reduced by an amount equal to the State of Washington Public Utility Tax and/or any other applicable taxes. The following formula will be used:

$$\text{REVISED CHARGE} = (1 - \text{ST} - \text{OT}) \times (\text{the sum of all applicable electric rate schedule charges})$$

where: **ST** = State of Washington Public Utility Tax rate, **OT** = Any Other Taxes