



ORDINANCE NO. 28551

1 AN ORDINANCE relating to the Department of Public Utilities, Power Division;
2 amending Chapter 12.06 of the Tacoma Municipal Code, relating to electric
3 energy regulations, rates, and fees.

4 WHEREAS the City of Tacoma, Department of Public Utilities, Light Division
5 (d.b.a. "Tacoma Power"), revenue requirements analysis for the 24-month rate
6 period of April 1, 2019, through March 31, 2021, indicates a revenue shortfall of
7 approximately \$21.9 million at current rates, due to general inflationary increases
8 in operating and capital expenses such as technology upgrades, regulatory
9 compliance, and cybersecurity enhancements, and

10 WHEREAS, based on this analysis, Tacoma Power is requesting approval
11 for an approximate overall rate increase of 2.0 percent effective April 1, 2019, and
12 an approximate overall rate increase of 2.0 percent effective April 1, 2020, to be
13 distributed to different customer classes based on a cost-of-service analysis, to
14 generate projected revenue requirements for utility operations, and

15 WHEREAS, pursuant to Tacoma City Charter Section 4.11, revisions to
16 Tacoma Power rates and regulations require approval by the Public Utility Board
17 and City Council, and

18 WHEREAS public comments on this matter were taken by the Public Utility
19 Board ("Board") on October 10, 2018, and the Board approved the recommended
20 changes at its regular meeting held on October 24, 2018, and

21 WHEREAS the recommended changes to the rates and regulations are just,
22 fair, and reasonable, and are in the best interest of the citizens of Tacoma and the
23 customers of Tacoma Power; Now, Therefore,
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BE IT ORDAINED BY THE CITY OF TACOMA:

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Section 1. That Chapter 12.06 of the Tacoma Municipal Code is hereby amended as set forth in the attached Exhibit "A," to become effective April 1, 2019.

Section 2. That Chapter 12.06 of the Tacoma Municipal Code is hereby amended as set forth in the attached Exhibit "B," to become effective April 1, 2020.

Passed _____

Mayor

Attest:

City Clerk

Approved as to Form:

Chief Deputy City Attorney

Requested by Public Utility Board
Amended Resolution No. U-11033



EXHIBIT "A"

Chapter 12.06

ELECTRIC ENERGY – REGULATIONS AND RATES

Sections:

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- 12.06.010 General application.
 - 12.06.020 Definitions.
 - 12.06.030 Available voltages.
 - 12.06.040 Application for service and contract.
 - 12.06.050 Inspection.
 - 12.06.060 Equipment and wires.
 - 12.06.070 Rearranging lines or equipment.
 - 12.06.080 Metering.
 - 12.06.090 Connected load.
 - 12.06.100 Deposits and connection charges.
 - 12.06.110 Billing – Payment of bills and delinquency.
 - 12.06.115 Disconnection of electric service.
 - 12.06.120 Resale of electric energy prohibited.
 - 12.06.130 Diversion of current.
 - 12.06.140 Tampering and injury to City equipment.
 - 12.06.150 City not liable for damages.
 - 12.06.160 Residential service – Schedule A-1. Effective April 1, 2019~~8~~, to [March 31, 2020](#).
 - 12.06.165 Low-income/senior and/or low-income/disabled discount residential service – Schedule A-2.
 - 12.06.170 Small general service – Schedule B. Effective April 1, 2019~~8~~, to [March 31, 2020](#).
 - 12.06.180 *Repealed.*
 - 12.06.190 *Repealed.*
 - 12.06.210 *Repealed.*
 - 12.06.215 General service – Schedule G. Effective April 1, 2019~~8~~, to [March 31, 2020](#).
 - 12.06.220 *Repealed.*
 - 12.06.225 High voltage general service – Schedule HVG. Effective April 1, 2019~~8~~, to [March 31, 2020](#).
 - 12.06.240 *Repealed.*
 - 12.06.250 *Repealed.*
 - 12.06.260 Contract industrial service – Schedule CP. Effective April 1, 2019~~8~~, to [March 31, 2020](#).
 - 12.06.270 *Repealed.*
 - 12.06.280 *Repealed.*
 - 12.06.290 Street lighting and traffic signal service – Schedule H-1. Effective April 1, 2019~~8~~, to [March 31, 2020](#).
 - 12.06.295 Street lighting service – Schedule H-3. Effective April 1, 2019~~8~~, to [March 31, 2020](#).
 - 12.06.300 Private off-street lighting service – Schedule H-2. Effective April 1, 2019~~8~~, to [March 31, 2020](#).
 - 12.06.310 Power factor provisions – Schedule P.
 - 12.06.314 Tax credit – Schedule TC.
 - 12.06.315 *Repealed.*
 - 12.06.317 *Repealed.*
 - 12.06.318 *Repealed.*
 - 12.06.320 Additional rules may be made by director.
 - 12.06.330 Customer service policies – Additional rules and regulations.
 - 12.06.340 Violations – Penalties – Enforcement.
 - 12.06.350 Severability.
 - 12.06.360 *Repealed.*
 - 12.06.370 Renewable Energy Program.



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12.06.160 Residential service – Schedule A-1. Effective April 1, 2018~~9~~, to March 31, 2020.

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C. Monthly Rate. The sum of the following energy, delivery and customer charges:

1. Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.
2. Delivery: All energy delivered in kilowatt-hours at \$0.~~034891 034435~~ per kWh.
3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$16.~~950~~ per month, for all but collectively metered apartments; \$13.~~85 50~~ per month, for collectively metered apartments.

4. Exceptions:

(a) Within the City of Fife:

- (1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.
- (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~034891 034435~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$16.~~950~~ per month, for all but collectively metered apartments; \$13.~~85 50~~ per month, for collectively metered apartments.

(b) Within the City of Fircrest:

- (1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.
- (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~034891 034435~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$16.~~950~~ per month, for all but collectively metered apartments; \$13.~~85 50~~ per month, for collectively metered apartments.

(c) Within the City of Lakewood:

- (1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.
- (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~034891 034435~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$16.~~950~~ per month, for all but collectively metered apartments; \$13.~~85 50~~ per month, for collectively metered apartments.

(d) Within the City of Steilacoom:

- (1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.
- (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~034891 034435~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$16.~~950~~ per month, for all but collectively metered apartments; \$13.~~85 50~~ per month, for collectively metered apartments.

(e) Within the City of University Place:

- (1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.
- (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~034891 034435~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$16.~~950~~ per month, for all but collectively metered apartments; \$13.~~85 50~~ per month, for collectively metered apartments.

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12.06.170 Small general service – Schedule B. Effective April 1, 2018~~9~~, to March 31, 2020.

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B. Monthly Rate. The sum of the following energy, delivery and customer charges:

1. Energy: All energy measured in kilowatt-hours at \$0.044616 per kWh.



2. Delivery: All energy delivered in kilowatt-hours at \$0.~~034895~~ ~~034587~~ per kWh.
3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~232.050~~ per month, for all but unmetered services; \$17.~~950~~ per month, for unmetered services.
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~~ ~~034587~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~232.050~~ per month, for all but unmetered services; \$17.~~950~~ 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~~ ~~034587~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~232.050~~ per month, for all but unmetered services; \$17.~~950~~ 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~~ ~~034587~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~232.050~~ per month, for all but unmetered services; \$17.~~950~~ per month, for unmetered services.
- (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~~ ~~034587~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~232.050~~ per month, for all but unmetered services; \$17.~~950~~ 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~~ ~~034587~~ per kWh.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~232.050~~ per month, for all but unmetered services; \$17.~~950~~ per month, for unmetered services.
- * * *
- 12.06.215 General service – Schedule G. Effective April 1, 201~~9~~, to March 31, 2020.**
- * * *
- B. Monthly Rate. The sum of the following energy, delivery, and customer charges:
1. Energy: All energy measured in kilowatt-hours at \$0.~~047317~~ ~~044813~~ per kWh.
2. Delivery: All kilowatts of Billing Demand delivered at \$8.~~43~~ ~~35~~ per kW.
3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~786.00~~ per month.



4. Exceptions:

(a) Within the City of Fife:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~047317 044813~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~43 35~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$7~~86~~.00 per month.

(b) Within the City of Fircrest:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~047317 044813~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~43 35~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$7~~86~~.00 per month.

(c) Within the City of Lakewood:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~047317 044813~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~43 35~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$7~~86~~.00 per month.

(d) Within the City of Steilacoom:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~047317 044813~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~43 35~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$7~~86~~.00 per month.

(e) Within the City of University Place:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~047317 044813~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~43 35~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$7~~86~~.00 per month.

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12.06.225 High voltage general service – Schedule HVG. Effective April 1, 2018, to March 31, 2020.

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 Sservice. 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 204.00 percent will be applicable to the delivery charge.

~~High voltage general service customers shall be billed the following rates under Subsection 12.06.225.B (a two-step rate increase effective April 16, 2017 and April 1, 2018) unless the Customer files by April 21, 2017, a written notice in a form approved by Tacoma Power that irrevocably elects to be billed under the alternative rates under Subsection 12.06.225.C (a one step rate increase effective April 16, 2017 with a second default rate increase effective April 1, 2019, unless superseded prior to the effective date).~~

B. Monthly Rate: The sum of the following energy, delivery, and customer charges:

- 1. Energy: All energy measured in kilowatt-hours at \$0.~~042915 041691~~ per kWh.
- 2. Delivery: All kilowatts of Billing Demand delivered at \$4.~~89 75~~ per kW.
- 3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$1,~~54~~90.00 per month.



4. Exceptions:

(a) Within the City of Fife:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~042915~~ ~~041691~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$4.~~89~~ ~~75~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$1,~~54~~90.00 per month.

(b) Within the City of Fircrest:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~042915~~ ~~041691~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$4.~~89~~ ~~75~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$1,~~54~~90.00 per month.

(c) Within the City of Lakewood:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~042915~~ ~~041691~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$4.~~89~~ ~~75~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$1,~~54~~90.00 per month.

(d) Within the City of Steilacoom:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~042915~~ ~~041691~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$4.~~89~~ ~~75~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$1,~~54~~90.00 per month.

(e) Within the City of University Place:

- (1) Energy: All energy measured in kilowatt-hours at \$0.~~042915~~ ~~041691~~ per kWh.
- (2) Delivery: All kilowatts of Billing Demand delivered at \$4.~~89~~ ~~75~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$1,~~54~~90.00 per month.

C. Monthly Rate (a one step rate increase effective April 16, 2017, with a second default rate increase effective April 1, 2019, unless superseded prior to the effective date).

	<u>Effective 4/16/2017</u>	<u>Effective 4/1/2019 unless superseded prior to effective date</u>
<u>Energy</u>	<u>\$0.039987</u>	<u>\$0.041691</u>
<u>Delivery</u>	<u>\$4.63</u>	<u>\$4.75</u>
<u>Customer Charge</u>	<u>\$1,175.00</u>	<u>\$1,490.00</u>
<u>Exceptions:</u>		
<u>Within the City of Fife</u>		
<u>Energy</u>	<u>\$0.039987</u>	<u>\$0.041691</u>
<u>Delivery</u>	<u>\$4.63</u>	<u>\$4.75</u>
<u>Customer Charge</u>	<u>\$1,175.00</u>	<u>\$1,490.00</u>
<u>Within the City of Fircrest</u>		
<u>Energy</u>	<u>\$0.039987</u>	<u>\$0.041691</u>
<u>Delivery</u>	<u>\$4.63</u>	<u>\$4.75</u>
<u>Customer Charge</u>	<u>\$1,175.00</u>	<u>\$1,490.00</u>



	Within the City of Lakewood		
1	Energy	\$0.039987	\$0.041691
	Delivery	\$4.63	\$4.75
2	Customer Charge	\$1,175.00	\$1,490.00
3	Within the City of Steilacoom		
	Energy	\$0.039987	\$0.041691
4	Delivery	\$4.63	\$4.75
5	Customer Charge	\$1,175.00	\$1,490.00
6	Within the City of University Place		
	Energy	\$0.039987	\$0.041691
7	Delivery	\$4.63	\$4.75
8	Customer Charge	\$1,175.00	\$1,490.00

DC. Billing Demand. Determined by means of a demand meter, 30-minute interval, reset monthly. The billing demand shall be the higher 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).

ED. 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.

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12.06.260 Contract industrial service – Schedule CP. Effective April 1, 2018, to March 31, 2020.

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B. Monthly Rate. The sum of the following power service, delivery, customer and other charges:

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~~³³-per kW.
- (c) Minimum Charge: The Demand Charge.

(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; Tx = 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:



Contract Demand Overrun Charge = MW x 300% x 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 ~~00~~-per kW.

3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$32,980.00 per month.

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 ~~33~~-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:

Contract Energy Overrun Charge = (MWh + Losses) x (THI + Tx) x 12 ~~04.1319~~%

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

(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:

Contract Demand Overrun Charge = MW x 300% x 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 ~~00~~-per kW.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$32,980.00 per month.

12.06.290 Street lighting and traffic signal service – Schedule H-1. Effective April 1, 2018, to March 31, 2020.

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].

1. Street Lighting Units (Unmetered):

(a) Incandescent Lamps:

Nominal Wattage	Energy Charge Per Unit
Up to 150 Watts	\$3.22 \$3.10
151-220 Watts	\$4.73 \$4.55
221-320 Watts	\$6.87 \$6.61
321-520 Watts	\$11.17 \$10.74
521 & Over Watts	\$17.62 \$16.94



(b) High Intensity Discharge Lamps:

Energy Charge Per Unit			
Nominal Wattage	Continuous	Dusk to Dawn	Dusk to 2:20 a.m.
50 Watts	\$2.39 \$2.30	\$1.29 \$1.24	\$0.81 \$0.78
70 Watts	\$3.34 \$3.21	\$1.81 \$1.74	\$1.13 \$1.09
100 Watts	\$4.77 \$4.59	\$2.58 \$2.48	\$1.62 \$1.56
150 Watts	\$7.17 \$6.89	\$3.87 \$3.72	\$2.43 \$2.34
175 Watts	\$8.35 \$8.03	\$4.51 \$4.34	\$2.84 \$2.73
200 Watts	\$9.55 \$9.18	\$5.16 \$4.96	\$3.24 \$3.12
250 Watts	\$11.94 \$11.48	\$6.45 \$6.20	\$4.06 \$3.90
310 Watts	\$14.80 \$14.23	\$8.00 \$7.69	\$5.03 \$4.84
400 Watts	\$19.09 \$18.36	\$10.32 \$9.92	\$6.49 \$6.24
700 Watts	\$33.42 \$32.13	\$18.04 \$17.35	\$11.37 \$10.93
1000 Watts	\$43.76 \$42.08	\$23.64 \$22.73	\$14.88 \$14.31
1500 Watts	\$71.60 \$68.85	\$38.68 \$37.19	\$24.36 \$23.42

(c) At the discretion of Tacoma Power, all lamps may be charged the following equivalent rate: Energy charge for lamp installations at the rate of ~~\$39.78~~ \$38.25, ~~\$21.49~~ \$20.66, and ~~\$13.53~~ \$13.01 per month per kilowatt of total connected load for Continuous, Dusk to Dawn, and Dusk to 2:20 a.m. lamps, respectively.

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~~ \$0.14961 per kWh.

(c) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$10.00 per month.

12.06.295 Street Lighting Service – Schedule H-3. Effective April 1, 2018.

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 ~~at the rate of \$38.25, \$20.66, and \$13.01 per month per kilowatt of total connected load for Continuous, Dusk to Dawn, and Dusk to 2:20 a.m. lamps, respectively.~~

2. Capital Recovery Charge:

b. 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:

(1) 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.

(2) The amount calculated in (1) shall be multiplied by the number of months in the rate period.



(3) The amount in (2) shall be divided by the estimated number of fixture-months to be billed during the rate period.

(4) The amount in (3) shall be adjusted to reflect ~~the~~ difference between actual and estimated expenses and recoveries during the biennium during which the fixtures were installed.

12.06.300 Private off-street lighting service – Schedule H-2. Effective April 1, 2018, to March 31, 2020.

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C. Monthly Rate.

1. High Pressure Sodium Lamps:

Lamp Rating (Watts/Lamp)	Type	Rental Charge
100-Watt	Sodium Vapor	\$13.47 \$12.95
200-Watt	Sodium Vapor	\$17.33 \$16.66
400-Watt	Sodium Vapor	\$34.65 \$33.32

2. All Other Lamps:

Lamp Rating (Watts-Equivalent/Lamp)	Rental Charge
0-200 Watt Equivalent	\$15.40 \$14.81
201-400 Watt Equivalent	\$34.65 \$33.32
401-800 Watt Equivalent	\$53.91 \$51.84
801-1000 Watt Equivalent	\$73.16 \$70.35
1001-1500 Watt Equivalent	\$92.42 \$88.87

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EXHIBIT "B"

Chapter 12.06

ELECTRIC ENERGY – REGULATIONS AND RATES

Sections:

- 12.06.010 General application.
- 12.06.020 Definitions.
- 12.06.030 Available voltages.
- 12.06.040 Application for service and contract.
- 12.06.050 Inspection.
- 12.06.060 Equipment and wires.
- 12.06.070 Rearranging lines or equipment.
- 12.06.080 Metering.
- 12.06.090 Connected load.
- 12.06.100 Deposits and connection charges.
- 12.06.110 Billing – Payment of bills and delinquency.
- 12.06.115 Disconnection of electric service.
- 12.06.120 Resale of electric energy prohibited.
- 12.06.130 Diversion of current.
- 12.06.140 Tampering and injury to City equipment.
- 12.06.150 City not liable for damages.
- 12.06.160 Residential service – Schedule A-1. Effective April 1, 2020+9.
- 12.06.165 Low-income/senior and/or low-income/disabled discount residential service – Schedule A-2.
- 12.06.170 Small general service – Schedule B. Effective April 1, 2020+9.
- 12.06.180 *Repealed.*
- 12.06.190 *Repealed.*
- 12.06.210 *Repealed.*
- 12.06.215 General service – Schedule G. Effective April 1, 2020+9.
- 12.06.220 *Repealed.*
- 12.06.225 High voltage general service – Schedule HVG. Effective April 1, 2020+9.
- 12.06.240 *Repealed.*
- 12.06.250 *Repealed.*
- 12.06.260 Contract industrial service – Schedule CP. Effective April 1, 2020+9.
- 12.06.270 *Repealed.*
- 12.06.280 *Repealed.*
- 12.06.290 Street lighting and traffic signal service – Schedule H-1. Effective April 1, 2020+9.
- 12.06.295 Street lighting service – Schedule H-3. Effective April 1, 2018.
- 12.06.300 Private off-street lighting service – Schedule H-2. Effective April 1, 2020+9.
- 12.06.310 Power factor provisions – Schedule P.
- 12.06.314 Tax credit – Schedule TC.
- 12.06.315 *Repealed.*
- 12.06.317 *Repealed.*
- 12.06.318 *Repealed.*
- 12.06.320 Additional rules may be made by director.
- 12.06.330 Customer service policies – Additional rules and regulations.
- 12.06.340 Violations – Penalties – Enforcement.
- 12.06.350 Severability.
- 12.06.360 *Repealed.*
- 12.06.370 Renewable Energy Program.



12.06.160 Residential service – Schedule A-1. Effective April 1, ~~2019~~ to March 31, 2020.

C. Monthly Rate. The sum of the following energy, delivery and customer charges:

1. Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.

2. Delivery: All energy delivered in kilowatt-hours at \$0.~~035353~~ ~~034891~~ per kWh.

3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$16.90~~ 17.30 per month, for all but collectively metered apartments; ~~\$13.85~~ 14.15 per month, for collectively metered apartments.

4. Exceptions:

(a) Within the City of Fife:

(1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.

(2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035353~~ ~~034891~~ per kWh.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$16.90~~ 17.30 per month, for all but collectively metered apartments; ~~\$13.85~~ 14.15 per month, for collectively metered apartments.

(b) Within the City of Fircrest:

(1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.

(2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035353~~ ~~034891~~ per kWh.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$16.90~~ 17.30 per month, for all but collectively metered apartments; ~~\$13.85~~ 14.15 per month, for collectively metered apartments.

(c) Within the City of Lakewood:

(1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.

(2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035353~~ ~~034891~~ per kWh.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$16.90~~ 17.30 per month, for all but collectively metered apartments; ~~\$13.85~~ 14.15 per month, for collectively metered apartments.

(d) Within the City of Steilacoom:

(1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.

(2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035353~~ ~~034891~~ per kWh.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$16.90~~ 17.30 per month, for all but collectively metered apartments; ~~\$13.85~~ 14.15 per month, for collectively metered apartments.

(e) Within the City of University Place:

(1) Energy: All energy measured in kilowatt-hours at \$0.045351 per kWh.

(2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035353~~ ~~034891~~ per kWh.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$16.90~~ 17.30 per month, for all but collectively metered apartments; ~~\$13.85~~ 14.15 per month, for collectively metered apartments.



12.06.170 Small general service – Schedule B. Effective April 1, 2020 to March 31, 2020.

1 B. Monthly Rate. The sum of the following energy, delivery and customer charges:

2 1. Energy: All energy measured in kilowatt-hours at \$0.044616 per kWh.

3 2. Delivery: All energy delivered in kilowatt-hours at \$0.~~035207 034895~~ per kWh.

4 3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$23.~~50 00~~ per month, for all but unmetered services; \$~~18.30 17.90~~ per month, for unmetered services.

5 4. Exceptions:

6 (a) Within the City of Fife:

7 (1) Energy: All energy measured in kilowatt-hours at \$0.044616 per kWh.

8 (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035207 034895~~ per kWh.

9 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$23.~~50 00~~ per month, for all but unmetered services; \$~~18.30 17.90~~ per month, for unmetered services.

10 (b) Within the City of Fircrest:

11 (1) Energy: All energy measured in kilowatt-hours at \$0.044616 per kWh.

12 (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035207 034895~~ per kWh.

13 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$23.~~50 00~~ per month, for all but unmetered services; \$~~18.30 17.90~~ per month, for unmetered services.

14 (c) Within the City of Lakewood:

15 (1) Energy: All energy measured in kilowatt-hours at \$0.044616 per kWh.

16 (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035207 034895~~ per kWh.

17 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$23.~~50 00~~ per month, for all but unmetered services; \$~~18.30 17.90~~ per month, for unmetered services.

18 (d) Within the City of Steilacoom:

19 (1) Energy: All energy measured in kilowatt-hours at \$0.044616 per kWh.

20 (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035207 034895~~ per kWh.

21 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$23.~~50 00~~ per month, for all but unmetered services; \$~~18.30 17.90~~ per month, for unmetered services.

22 (e) Within the City of University Place:

23 (1) Energy: All energy measured in kilowatt-hours at \$0.044616 per kWh.

24 (2) Delivery: All energy delivered in kilowatt-hours at \$0.~~035207 034895~~ per kWh.

25 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$23.~~50 00~~ per month, for all but unmetered services; \$~~18.30 17.90~~ per month, for unmetered services.

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12.06.215 General service – Schedule G. Effective April 1, 2020 to March 31, 2020.

25 B. Monthly Rate. The sum of the following energy, delivery, and customer charges:

26 1. Energy: All energy measured in kilowatt-hours at \$0.~~049961 047317~~ per kWh.

2. Delivery: All kilowatts of Billing Demand delivered at \$8.~~51 43~~ per kW.



3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$8078.00~~ per month.

4. Exceptions:

(a) Within the City of Fife:

(1) Energy: All energy measured in kilowatt-hours at \$0.~~049961 047317~~ per kWh.

(2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~51 43~~ per kW.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$8078.00~~ per month.

(b) Within the City of Fircrest:

(1) Energy: All energy measured in kilowatt-hours at \$0.~~049961 047317~~ per kWh.

(2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~51 43~~ per kW.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$8078.00~~ per month.

(c) Within the City of Lakewood:

(1) Energy: All energy measured in kilowatt-hours at \$0.~~049961 047317~~ per kWh.

(2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~51 43~~ per kW.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$8078.00~~ per month.

(d) Within the City of Steilacoom:

(1) Energy: All energy measured in kilowatt-hours at \$0.~~049961 047317~~ per kWh.

(2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~51 43~~ per kW.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$8078.00~~ per month.

(e) Within the City of University Place:

(1) Energy: All energy measured in kilowatt-hours at \$0.~~049961 047317~~ per kWh.

(2) Delivery: All kilowatts of Billing Demand delivered at \$8.~~51 43~~ per kW.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$8078.00~~ per month.

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12.06.225 High voltage general service – Schedule HVG. Effective April 1, 2020 to March 31, 2020.

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B. Monthly Rate. The sum of the following energy, delivery, and customer charges:

1. Energy: All energy measured in kilowatt-hours at \$0.~~044175 042915~~ per kWh.

2. Delivery: All kilowatts of Billing Demand delivered at \$~~5.034.89~~ per kW.

3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~1,6590.00~~ per month.

4. Exceptions:

(a) Within the City of Fife:

(1) Energy: All energy measured in kilowatt-hours at \$0.~~044175 042915~~ per kWh.

(2) Delivery: All kilowatts of Billing Demand delivered at \$~~5.034.89~~ per kW.

(3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$~~1,6590.00~~ per month.

(b) Within the City of Fircrest:

(1) Energy: All energy measured in kilowatt-hours at \$0.~~044175 042915~~ per kWh.



- (2) Delivery: All kilowatts of Billing Demand delivered at ~~\$5.034.89~~ per kW.
- (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$1,6590.00~~ per month.
- 1 (c) Within the City of Lakewood:
- 2 (1) Energy: All energy measured in kilowatt-hours at ~~\$0.044175 042915~~ per kWh.
- 3 (2) Delivery: All kilowatts of Billing Demand delivered at ~~\$5.034.89~~ per kW.
- 4 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$1,6590.00~~ per month.
- 5 (d) Within the City of Steilacoom:
- 6 (1) Energy: All energy measured in kilowatt-hours at ~~\$0.044175 042915~~ per kWh.
- 7 (2) Delivery: All kilowatts of Billing Demand delivered at ~~\$5.034.89~~ per kW.
- 8 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$1,6590.00~~ per month.
- 9 (e) Within the City of University Place:
- 10 (1) Energy: All energy measured in kilowatt-hours at ~~\$0.044175 042915~~ per kWh.
- 11 (2) Delivery: All kilowatts of Billing Demand delivered at ~~\$5.034.89~~ per kW.
- 12 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$1,6590.00~~ per month.

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12.06.260 Contract industrial service – Schedule CP. Effective April 1, ~~2020~~ to ~~March 31, 2020~~.

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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 ~~\$5.074.68~~ per kW.
- (c) Minimum Charge: The Demand Charge.
- (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:

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

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; Tx = 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 ~~\$4.4522~~ per kW.
- 3. Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$43,980.00~~ per month.
- 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.

1 (ii) Demand: All kilowatts of Billing Demand delivered at ~~\$5.074~~~~.68~~ per kW.

2 (iii) Minimum Charge: The Demand Charge.

3 (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:

4
$$\text{Contract Energy Overrun Charge} = (\text{MWh} + \text{Losses}) \times (\text{THI} + \text{Tx}) \times 120\%$$

5 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; Tx = applicable BPA or successor organization, transmission rate in \$ per MWh.

6 (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:

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

8 Where: MW = MW of metered Demand in excess of the Contract Demand; DC = Demand Charge.

9 (2) Delivery: All kilowatts of Billing Demand delivered at ~~\$4.4522~~ per kW.

10 (3) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: ~~\$43,980.00~~ per month.

11 C. Billing Demand. Determined by means of a demand meter, 30-minute interval, reset monthly.

12 1. The Billing Demand shall be the highest of:

13 (a) The highest measured demand for the month, adjusted for power factor;

14 (b) 60 percent of the highest measured demand occurring during any of the preceding 11 months after adjustment for power factor;

15 (c) A demand level equal to the Contract Energy, in average megawatt (as set forth in the Contract); or

16 (d) 60 percent of the highest Contract Demand (as set forth in the Contract) during any of the preceding 11 months.

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18 **12.06.290 Street lighting and traffic signal service – Schedule H-1. Effective April 1, 2020**
19 **to March 31, 2020.**

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21 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].

22 1. Street Lighting Units (Unmetered):

23 (a) Incandescent Lamps:

Nominal Wattage	Energy Charge Per Unit
Up to 150 Watts	\$3.35 \$3.22
151-220 Watts	\$4.92 \$4.73
221-320 Watts	\$7.15 \$6.87
321-520 Watts	\$11.62 \$11.17
521 & Over Watts	\$18.32 \$17.62

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(b) High Intensity Discharge Lamps:

Energy Charge Per Unit			
Nominal Wattage	Continuous	Dusk to Dawn	Dusk to 2:20 a.m.
50 Watts	\$2.49 \$2.39	\$1.34 \$1.29	\$0.84 \$0.81
70 Watts	\$3.47 \$3.34	\$1.88 \$1.81	\$1.18 \$1.13
100 Watts	\$4.96 \$4.77	\$2.68 \$2.58	\$1.69 \$1.62
150 Watts	\$7.45 \$7.17	\$4.02 \$3.87	\$2.53 \$2.43
175 Watts	\$8.69 \$8.35	\$4.69 \$4.51	\$2.95 \$2.84
200 Watts	\$9.93 \$9.55	\$5.36 \$5.16	\$3.37 \$3.24
250 Watts	\$12.42 \$11.94	\$6.71 \$6.45	\$4.22 \$4.06
310 Watts	\$15.39 \$14.80	\$8.32 \$8.00	\$5.23 \$5.03
400 Watts	\$19.86 \$19.09	\$10.73 \$10.32	\$6.75 \$6.49
700 Watts	\$34.75 \$33.42	\$18.77 \$18.04	\$11.82 \$11.37
1000 Watts	\$45.51 \$43.76	\$24.58 \$23.64	\$15.48 \$14.88
1500 Watts	\$74.47 \$71.60	\$40.22 \$38.68	\$25.33 \$24.36

(c) At the discretion of Tacoma Power, all lamps may be charged the following equivalent rate: Energy charge for lamp installations at the rate of ~~\$41.37~~ \$39.78, ~~\$22.35~~ \$21.49, and ~~\$14.07~~ \$13.53 per month per kilowatt of total connected load for Continuous, Dusk to Dawn, and Dusk to 2:20 a.m. lamps, respectively.

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 ~~\$0.015883~~ \$415 per kWh.

(c) Customer Charge: Calculated on a monthly basis, invoiced, and collected pursuant to the applicable customer service policies: \$10.00 per month.

12.06.300 Private off-street lighting service – Schedule H-2. Effective April 1, 20~~19~~ to March 31, 2020.

C. Monthly Rate.

1. High Pressure Sodium Lamps:

Lamp Rating (Watts/Lamp)	Type	Rental Charge
100-Watt	Sodium Vapor	\$14.01 \$13.47
200-Watt	Sodium Vapor	\$18.02 \$17.33
400-Watt	Sodium Vapor	\$36.04 \$34.65

2. All Other Lamps:

Lamp Rating (Watts-Equivalent/Lamp)	Rental Charge
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0-200 Watt Equivalent	<u>\$16.02</u> \$15.40
201-400 Watt Equivalent	<u>\$36.04</u> \$34.65
401-800 Watt Equivalent	<u>\$56.07</u> \$53.91
801-1000 Watt Equivalent	<u>\$76.09</u> \$73.16
1001-1500 Watt Equivalent	<u>\$96.12</u> \$92.42

3. Additional Equipment: Fixtures will be installed on existing poles. Additional poles 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.

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.

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