

Attachment #2

*Electrical Utility Amendment Bylaw*

*No. 8303, 2021*

**CORPORATION OF THE CITY OF NEW WESTMINSTER**  
**BYLAW NO. 8303, 2021**

A Bylaw to Amend Electrical Utility Bylaw No.6502, 1998

The Council of The Corporation of the City of New Westminster in open meeting assembled  
ENACTS AS FOLLOWS:

**Citation**

1. This Bylaw may be cited for all purposes as "Electrical Utility Amendment Bylaw No.8303, 2021"

**Amendments**

2. The Schedule of Rates attached to Electrical Utility Bylaw No.6502, 1998 as Schedule "A" is hereby repealed and the Schedule of Rates attached hereto is hereby substituted therefor.

**Effective Date**

3. The amendments shall come into effect on January 1, 2022, in accordance with established billing cycles.

GIVEN FIRST READING THIS \_\_\_\_\_ day of \_\_\_\_\_ 2021.

GIVEN SECOND READING THIS \_\_\_\_\_ day of \_\_\_\_\_ 2021.

GIVEN THIRD READING THIS \_\_\_\_\_ day of \_\_\_\_\_ 2021.

ADOPTED THIS \_\_\_\_\_ day of \_\_\_\_\_ 2021.

\_\_\_\_\_  
Mayor Jonathan X. Cote

\_\_\_\_\_  
Jacque Killawee, City Clerk

## **SCHEDULE "A"**

### **SCHEDULE OF RATES – Effective January 1, 2022**

#### **RATES 101, 102 and 103**

##### **Rate 101**

Residential Service, Single Family Dwelling for a period of two months:

Basic Charge per period	\$14.20
All kW.h per period	0.1182 per kW.h
Minimum Charge	Basic Charge per period

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

##### **Rate 102**

Residential Service - Common Use Areas of strata corporations and owner occupied multiple residential premises for a period of two months:

Basic Charge per period	\$14.20
All kW.h per period	0.1182 per kW.h
Minimum Charge	Basic Charge per period

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

##### **Rate 103**

Residential Service, Multiple Occupancy in Single Family Dwelling for a period of two months:

Basic Charge per single family dwelling unit per period	\$14.20
All kW.h per single family dwelling unit per period	0.1182 per kW.h
Minimum charge per single family dwelling unit	Basic Charge per period

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

##### **Special Condition:**

The maximum capacity of all heating elements energized at any one time in any water heater served under these rates shall not exceed 45 watts per liter (200 watts per imperial gallon) of tank capacity, except with the prior written permission of the City.

**RATES 131 and 133**

**ALL PURPOSE MULTI-RESIDENTIAL SERVICE**

**Availability:**

For residential use on a single parcel of land, or in a building or buildings thereon, containing more than two single family dwellings, and for ancillary uses, if all electricity for the aforesaid residential and ancillary uses is purchased through one meter. This rate is not available for service to non-residential occupants (e.g. stores, offices, restaurants) nor for service to space or equipment used in common by such non-residential occupants, whether or not such space or equipment is also used by residential occupants. Supply is 60 hertz single or three phase at the potential available.

**Rate 131**

For a period of two months:

Basic Charge per single family dwelling per period	\$14.20
First 400 kW.h per single family dwelling per period	0.1182 per kW.h
Next 200 kW.h per single family dwelling per period	0.1328 per kW.h
All additional kW.h per period	0.1182 per kW.h
Minimum charge - The basic charge per single family dwelling per period	

Note: The number of single family dwellings shall not be reduced because of vacancies.

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

**Rate 133 - Discount for Ownership of Transformers:**

A customer may elect to supply the transformation from the primary potential to his utilization potential. If so he will be billed on the rate set out above subject to a discount of \$.50 per kW of maximum demand. The minimum charge set out above will apply. The City will install a demand meter in addition to a kW.h meter. The City will install its meters at the secondary potential unless the customer owns more than one transformer bank.

**RATES 134 and 135**

**ALL PURPOSE MULTI-RESIDENTIAL SERVICE**  
**(100% Rental Buildings only)**

**Availability:**

For residential use on a single parcel of land, or in a building or buildings thereon, containing more than two single family dwellings, and for ancillary uses, if all electricity for the aforesaid residential and ancillary uses is purchased through one meter. The owner of the building must provide sub-metering to each individual unit so the customer can still manage their energy efficiencies through their own individual meter. Supply is 60 hertz single or three phase at the potential available.

**Rate 134**

For a period of two months:

Basic Charge per period/per meter	\$14.20
All kWh per period	0.1182 per kW.h

Minimum charge - The basic charge per period/per meter

**A rate rider equal to 2.5% of the billed amount shall apply.**  
**A climate action levy equal to 3.5% of the billed amount shall apply**

**Rate 135 - Discount for Ownership of Transformers:**

A customer may elect to supply the transformation from the primary potential to his utilization potential. If so he will be billed on the rate set out above subject to a discount of \$.50 per kW of maximum demand. The minimum charge set out above will apply. The City will install a demand meter in addition to a kWh meter. The City will install its meters at the secondary potential unless the customer owns more than one transformer bank.

**RATES 201, 202, and 203**

**GENERAL SERVICE (Under 35 kW)**

**Availability:**

For all purposes where a demand meter is not installed because the customer's demand as estimated by the City is less than 35 kW. Supply is 60 hertz single or three phase at a secondary potential.

**Rate 201** - Applies to general commercial service.

**Rate 202** - Applies to service to common use areas of rental apartment buildings and mixed use buildings owned by strata corporations.

**Rate 203** - Applies to temporary service.

Rate:

For a period of two months:

Basic Charge per period	\$16.98
All kW.h per period	0.1328 per kW.h
Minimum charge for a period of two months	Basic Charge per period

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

Special Conditions for unmetered service:

1. The City may permit unmetered service under these Rates if it can estimate to its satisfaction the energy used in kilowatt-hours over a period of two months based on the connected load and the hours of use.
2. The customer if required by the City shall provide and maintain such controls, including timing devices, as the City considers may be necessary, and facilities satisfactory to the City for the maintenance of the aforesaid controls.
3. The hours of use per period shall be either:
  - (a) those specified by the customer, or
  - (b) those estimated by the City.whichever is the greater.
4. The customer shall supply, install and maintain all wiring, fixtures, control devices and equipment including the controls and devices described in Condition 2 at the expense of the customer.

GENERAL SERVICE (Under 35 kW) (Cont'd)

5. All wiring, fixtures, control devices and equipment and the method of installing, operating and maintaining the same are subject to the approval of the City which approval may be withdrawn by the City, at any time, at the City's sole discretion.
6. The customer shall notify the City immediately of any proposed or actual change in load, or load characteristics, or hours of use.
7. The City may at any time in its sole discretion install a meter or meters, and thereafter bill the customer at the appropriate Rate as a metered account.
8. For display signs and signboard lighting, where hours of use are controlled by timing

devices, the following turn-on times shall apply, unless the City shall otherwise agree in writing:

<u>Period</u>	<u>Turn on Time</u>
1 January - 15 January	4:00 p.m.
16 January - 28 February	4:30 p.m.
1 March - 30 April	6:30 p.m.
1 May - 15 August	8:30 p.m.
16 August - 10 September	6:30 p.m.
1 October - 15 November	4:30 p.m.
16 November - 31 December	4:00 p.m.

9. In all cases, where hours of use of display signs or signboard lighting commence at dusk and are controlled either by timing devices or by photo-electric cells, the following hours of use for a period of two months shall be deemed for billing purposes.

Dusk to 10:00 p.m. - 216 hours  
Dusk to 11:00 p.m. - 270 hours  
Dusk to 12:00 p.m. - 330 hours  
Dusk to 1:00 a.m. - 380 hours  
Dusk to Dawn - 666 hours

(All times are Pacific Standard Time)

10. Cable television amplifier equipment units, bus shelters and phone booths which are individually energized from and at the City's secondary potential shall be assessed from the date on the nameplate rating. The assessed kW demand of each individual piece of equipment shall be deemed to be the greater of either:

- (1) 100% of the kW nameplate rating, or
- (2) 80% of the kV.A nameplate rating.

Hours of use for a period of two months shall be deemed to be 1460 and power factor surcharge shall not be applied.

## **RATES 210, 211, 212, 213, 220, 230 and 240**

### **GENERAL SERVICE (35 kW and over)**

#### **Availability**

For all purposes. Supply is 60 hertz single or three phase at secondary or primary potential. The City reserves the right to determine the potential of the service connection.

**Rate 210** - applies to general commercial service if a customer's supply of electricity is metered at a secondary potential and the City supplies transformation from a primary potential to a secondary potential (No discount).

**Rate 211** - applies to service to common use areas of rental apartment buildings if a customer's supply of electricity is metered at a secondary potential and the City supplies transformation from a primary potential to a secondary potential (No discount).

**Rate 212** - applies to service to common use areas of mixed use buildings owned by strata corporations if a customer's supply of electricity is metered at a secondary potential and the City supplies transformation from a primary potential to a secondary potential (No discount).

**Rate 213** - applies to a temporary service if a customer's supply of electricity is metered at a secondary potential and the City supplies transformation from a primary potential to a secondary potential (No discount).

**Rate 220** - applies if a customer's supply of electricity is metered at a primary potential and the City supplies transformation from a primary potential to a secondary potential (Discount 1½%).

**Rate 230** - applies if a customer's supply of electricity is metered at a secondary potential and the customer supplies transformation from a primary potential to a secondary potential (Discount \$.25 per kW of billing demand).

**Rate 240** - applies if a customer's supply of electricity is metered at a primary potential and the customer supplies transformation from a primary potential to a secondary potential (Discount 1½% of total bill and then discount \$.25 per kW of billing demand).

#### GENERAL SERVICE (35 kW and over) (Cont'd)

##### Rate:

Basic Charge	\$8.49 per month
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##### Demand Charge

First 35 kW of billing demand per month	NIL
Next 115 kW of billing demand per month	\$6.82 per kW
All additional kW of billing demand per month	\$13.07 per kW

Plus

##### Energy Charge

First 14,800 kW.h per month	\$0.1328 per kW.h
All additional kW.h per month	\$0.0639 per kW.h

##### Discounts

1. A discount of 1½% shall be applied to the above Rates if a customer's supply of electricity is metered at a primary potential.
2. A discount of \$.25 per kW of billing demand shall be applied to the above Rate if a customer supplies transformation from a primary potential to a secondary potential.



3. If a customer is entitled to both of the above discounts the discount for metering at a primary potential shall be applied first.

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

Special Conditions:

A demand meter will normally be installed; prior to the installation of such a meter, or if such a meter is not installed the demand for billing purposes shall be the demand estimated by the City.

**RATE 241 (Pilot Program)**

**GENERAL SERVICE (35 kW and over) MULTI-UNIT RESIDENTIAL BUILDING THERMAL HEATED (RENTAL BUILDINGS ONLY)**

Availability

For all purposes. Supply is 60 hertz single or three phase at secondary or primary potential. The City reserves the right to determine the potential of the service connection.

- Rate 241** - applies to a Multi-Unit Residential Building (MURB) Thermally Heated (Rental Building only)
- applies if a customer's supply of electricity is metered at a primary potential and the customer supplies transformation from a primary potential to a secondary potential (Discount 1½% of total bill and then discount \$.25 per kW of billing demand).

Rate:

Basic Charge	\$9.22 per month
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Demand Charge

All kW of billing demand per month	\$5.86 per KW
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PLUS

Energy Charge

All kW.h per month	\$0.1052 per kW.h
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Discounts

1. A discount of 1½% shall be applied to the above Rates if a customer's supply of electricity is metered at a primary potential.

2. A discount of \$.25 per kW of billing demand shall be applied to the above Rate if a customer supplies transformation from a primary potential to a secondary potential.
3. If a customer is entitled to both of the above discounts the discount for metering at primary potential shall be applied first.

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

Special Conditions:

A demand meter will normally be installed; prior to the installation of such a meter, or if such a meter is not installed the demand for billing purposes shall be the demand estimated by the City.

**RATE 302**

**STREET LIGHTING - CUSTOMER OWNED**

Availability;

For lighting of public highways, streets and lanes in those cases where the customer owns, installs and maintains the standards, fixtures, conductors and controls.

Rate:

For each fixture: \$0.0393 per watt per month

The number of watts per fixture includes the wattage of the lamp and where applicable, the ballast.

**A rate rider equal to 2.50% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

Special Terms and Conditions:

1. Service Connections:

Where necessary the City will provide at the expense of the customer a drop, dip or underground service for a maximum distance of 45 metres. No service connection shall be made to add any ornamental street lighting system which does not provide for 8 or more street lighting fixtures except that, if the potential is 120/240 volts then, at the City's discretion, a service connection may be made for a system of less than 8.

2. Extension Policy:

The customer shall contribute to the cost of any extension required by paying to the City at the time when the application for the extension or extensions is made an amount equal to the estimated cost thereof (including cost of removing overhead fixtures and the original

value, less depreciation, of the fixtures removed) less the anticipated revenue for the first four years from the lamps, including ballasts, in the system at the time when the service connection is made. A customer which is a municipality may for the purposes of calculating the cost payable by it add together the estimated costs of all extensions ordered by it for installation at the same time and deduct from the total sum so determined, the total anticipated revenue calculated as aforesaid from the lamps including ballasts in all the said extensions.

3. Power Factor

All installations of mercury vapour, sodium vapour or fluorescent lamps shall be equipped with the necessary auxiliaries to assure that a power factor of not less than 90% lagging, shall be maintained.

4. Contract Period

The term of the initial contract shall be not more than five years; renewal periods shall be for five years.

**RATE 303**

**STREET LIGHTING SERVICE**

Availability:

For lighting of public highways, street and lanes in those cases where the customer owns, installs and maintains the fixtures, conductors and controls on City poles.

Rate:

The rate shall consist of two components:

(a) an energy charge of \$0.0393 per watt per month

PLUS

(b) a contact charge of \$1.1887 per contact per month

With respect to the Energy Charge - the number of watts per fixture includes the wattage of the lamp and where applicable the ballast.

With respect to the Contact Charge - this is a charge per fixture for the use of pole space.

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

### Special Terms and Conditions:

1. Extension Policy:

No extensions will be made to serve street lighting under this Rate.

2. Power Factor:

All installations of mercury or fluorescent lamps shall be equipped with the necessary auxiliaries to assure that a power factor of not less than 90% lagging shall be maintained.

3. Contract Period:

The term of the initial contract shall be not more than five years; renewal periods shall be five years.

### **RATE 304**

#### TRAFFIC SIGNALS, TRAFFIC SIGNS and TRAFFIC WARNING DEVICES

##### Availability:

For traffic signals, traffic signs and traffic warning devices on public highways where the customer installs, owns and maintains the standards, fixtures, wiring controls and associated equipment.

##### Rate:

\$0.1182 per kW.h

1. Service Connections:

Where necessary the City will provide, at the expense of the customer, a drop, dip or underground service connection for a maximum distance of 45 metres.

2. Unmetered Service:

- (a) The City may permit unmetered service under this Rate if it can estimate to its satisfaction the energy used in kilowatt hours over a period of one month based on the connected load and hours of use. Hours of use shall be deemed to be continuous. The customer shall notify the City immediately of any proposed or actual change in load, or load characteristics or hours of use.

- (b) The City, in its discretion, may at any time install a meter or meters and thereafter bill the customer on the consumption registered.

3. Contract Period:

The term of the initial contract shall be not more than five years, renewal periods shall be for five years.

**A rate rider equal to 2.5% of the billed amount shall apply.**

**A climate action levy equal to 3.5% of the billed amount shall apply**

**NEW RATE 500 - NET METERING SERVICE**

**DEFINITION:**

**Customer-Generator** – An electric Service Customer of the New Westminster Electric Utility that also utilizes the output of a Net Metered System.

**Multi-Unit Residential Building** - is a classification of [housing](#) where multiple separate housing units for residential inhabitants are contained within one building or several buildings within one complex. A common form is an [apartment building](#).

**Net Consumption** – Occurs at any point in time where the electricity required to serve the Customer-Generator's load exceeds that being generated by the Customer-Generator's Net Metered System.

**Net Generation** – Occurs at any point in time where electricity supplied by New Westminster Electric Utility to the Customer-Generator is less than that being generated by the Customer-Generator's Net Metering System.

**Net Excess Generation** – Results when over a billing period, Net Generation exceeds Net Consumption.

**Net Metering** – A metering and billing practice that allows for the flow of electricity both to and from the customer through a single, bi-directional meter. With Net Metering, consumers with small, privately-owned generators can efficiently offset part or all of their own electrical requirements by utilizing their own generation.

**Net Metered System** – A facility for the production of electric energy that:

- (a) uses as its fuel, a source defined as a clean and renewable resource in the BC Energy Plan;
- (b) has a design capacity of not more than 50 kW;
- (c) is located on the Customer-Generator's Premises;
- (d) operates in parallel with the New Westminster Electric Utility's transmission or distribution facilities; and
- (e) is intended to offset part or all of the Customer-Generator's requirements for electricity.

APPLICABLE: To New Westminster Electric Utility Customers receiving service under Rate 101, 102, 103, 131, 133, 201, 202, 203, 210, 211, 212, 213, 220, 230 and 240 of the Schedule of Rates attached to the Electric Utility Bylaw No.6502, 1998 as Schedule “A” as amended from time to time.

ELEGIBILITY: To be eligible to participate in the Net Metering Program, customers must generate a portion or all of their own retail electricity requirements using a renewable energy source. The generation equipment must be located on the customer’s premises, service only the customer’s premises and must be intended to offset a portion or all of the customer’s requirements for electricity.

Clean or renewable resources include sources of energy that are constantly renewed by natural processes, such as water power, solar energy, wind energy, geothermal energy, wood residue energy, and energy from organic municipal waste, and shall have a maximum installed generating capacity of no greater than 50 kW.

RATE: A customer enrolled in the Net Metering Program will be billed as set forth in the rate schedule under which the customer receives electric service from the New Westminster Electric Utility and as specified in the New Metering Billing Calculation section in this schedule.

BILLING CALCULATION:

1. Net metering shall be, for billing purposes, the net consumption at New Westminster Electric Utility’s service meter(s).
2. If the eligible Customer-Generator is a net consumer of energy in any billing period, the eligible Customer-Generator will be billed in accordance with the Customer-Generator’s applicable rate schedule.
3. If in any billing period, the eligible Customer-Generator is a net generator of energy, the Net Excess Generation shall be valued at the rates specified in the applicable Rate Schedule and credited to the customer’s account.
4. In the event that the operation of a renewable energy generating system results in a credit balance on the Customer-Generator’s account at the end of a calendar year, the credit will be purchased by the New Westminster Electric Utility. If such amounts are not large, they will be carried forward and included in the billing calculation for the next period at the discretion of the utility.

### SPECIAL CONDITIONS:

1. Prior to the interconnection of a Net Metering System, the Customer-Generator must submit a Net Metering Application for review and execute a written Net Metering Interconnection Agreement with the New Westminster Electric Utility.
2. The Net Metered System and all wiring, equipment and devices forming part of it, shall conform to New Westminster Electric Utility's "GUIDELINES FOR OPERATING, METERING AND PROTECTIVE RELAYING FOR NEW METERING SYSTEMS UP TO 50 kW AND VOLTAGE BELOW 750 VOLTS" and shall be installed, maintained and operated in accordance with those requirements.
3. Unless otherwise approved by the New Westminster Electric Utility, the Customer-Generator's service shall be metered with a single, bi-directional meter.
4. The contract period for service under this schedule shall be one (1) year and thereafter shall be renewed for successive one-year periods. After the initial period, the customer may terminate service under this Rate by giving at least sixty (60) days previous notice of such termination in writing to New Westminster Electric Utility.
5. If the Customer-Generator voluntarily terminates the net-metering service, the service may not be renewed for a period of twelve (12) months from the date of termination.
6. The utility maintains the right to inspect the facilities with reasonable prior notice and at a reasonable time of day.
7. The utility maintains the right to disconnect, without liability, the Customer-Generator for issues relating to safety and reliability.
8. Inflow of electricity from the New Westminster Electric Utility system to the Customer-Generator, and outflows of electricity from the Customer-Generators Net Metering system to the New Westminster Electric Utility system, will normally be determined by means of a single meter capable of measuring flows of electricity in both directions.
9. Alternatively, if New Westminster Electric Utility determines that flows of electricity in both directions cannot be reliably determined by a single meter, or that dual metering will be more cost-effective, New Westminster Electric Utility may require that, at the customers cost, separate meter bases be installed to measure inflows and outflows of electricity.
10. Except as specifically set forth herein, service supplied under this Rate is subject to the terms and conditions set forth in the New Westminster Electric Utility's Electric By-Law 6502, 1998
11. A Net Metered System used by a Customer-Generator shall meet all application safety and performance standards established as set forth in the New Westminster Electric Utility's Rules and Regulations.

12. A Customer-Generator shall, at its expense, provide lockable switching equipment capable of isolating the Net Metered System from the New Westminster Electric Utility system. Such equipment shall be approved by the utility and shall be accessible to the utility at all times.
13. The Customer-Generator is responsible for all costs associated with the Net Metered System and is also responsible for all costs related to any modifications to the Net Metered System that may be required by the utility including but not limited to safety and reliability.
14. The customer shall indemnify and hold New Westminster Electric Utility or its agents harmless for any damages resulting to New Westminster Electric Utility or its agents as a result of the customer's use, ownership, or operation of the customer's facilities other than damage resulting to the utility or its agents directly as a result of New Westminster Electric Utility or its agents own negligence or willful misconduct, including, but not limited to, any consequential damages suffered by the utility or its agents. The customer is solely responsible for ensuring that the customer's facilities operate and function properly in parallel with New Westminster Electric Utility's system and shall release New Westminster Electric Utility's or its agents from any liability resulting to the customer from the parallel operation of the customer's facilities with New Westminster Electric Utility's system other than damages resulting to the customer from the parallel operation of the customer's facilities with New Westminster Electric Utility's system directly as a result of New Westminster Electric Utility or its agents own negligence or willful misconduct.