



March 1, 2016

Mr. Mark Lanigan Island Regulatory and Appeals Commission PO Box 577 Charlottetown PE C1A 7L1

Dear Mr. Lanigan:

## Revisions to Rates and General Rules and Regulations

Please find attached a revised copy of the Maritime Electric Company, Limited Rates and General Rules and Regulations. Revisions have been made to Section N of the document (highlighted in red) to reflect rates effective March 1, 2016 per Order UE16-04.

An electronic version will follow shortly.

If you have any questions, please do not hesitate to contact me at 629-3696.

Yours truly,

MARITIME ELECTRIC

Jason C. Roberts

Director, Regulatory & Financial Planning

JCR05 Enclosure

## The Harmonized Sales Tax (The Tax)

The Tax applies to all rates and charges in Sections N, O-1 and O-2, with the exception of Late Payment Charges in Section O-2.

The Tax applies to the amount of contribution to be paid by the customer, based on the rates and charges in Sections O-3 and O-4.

## **Energy Cost Adjustment Mechanism**

#### **Application**

The following energy cost adjustment mechanism applies to all scheduled rates applicable to the sale of energy by Maritime Electric Company, Limited.

## Energy Cost Adjustment Mechanism

The energy charge applicable under all applicable rates will be subject to a rate adjustment when the cost of purchased and produced electricity increases or decreases from the base cost.

The forecast Base Rate Cost for purchased and produced electricity is \$0.08605/kWh and may be adjusted as Ordered by the Commission.

## Deferral of Increases or Decreases from the Base Cost

The deferral of increases or decreases in purchased and produced electricity from the Base Cost shall be calculated at the end of each month as follows:

- 1. Determine the total cost of purchasing and producing electricity in the month including any amounts amortized to ECAM as Ordered by the Commission;
- 2. Determine the net kilowatt hours of purchased and produced energy in the month;
- 3. Multiply the quantity of net purchased and produced energy determined in (2) above by the forecast Base Rate Cost of \$0.08605/KWh to determine the base cost of electricity;
- 4. Subtract the base cost of electricity determined in (3) above from the total cost of purchasing and producing electricity determined in (1) above to calculate the excess or deficiency of the cost of purchased or produced electricity from the base cost;
- 5. Add the excess (or deficiency) of the cost of purchased or produced energy calculated in (4) above to the corresponding excess (or deficiency) costs on the Balance Sheet.

## Calculation of ECAM Rate Adjustment Applied to Customers' Bills

The ECAM Rate Adjustment applied to Customers' bills shall be calculated as follows and applied to Customers' bills for not less than twelve months unless otherwise Ordered by the Commission.

- 6. Determine the total of the excess (or deficiency) costs on the Balance Sheet at the end of the third month proceeding the month in which the ECAM rate will be applied.
- 7. Determine the forecast total kilowatt hour sales for the twelve month period commencing with the month in which the ECAM rate will be applied.
- 8. Divide the amount calculated in (6) above by the amount calculated in (7) above to determine the ECAM rate adjustment required in cents per kilowatt hour sold and which will be applied to Customers' bills. Rate adjustment shall be calculated to the nearest three decimal places (five decimal places on the dollar).
- \* Application of the Energy Cost Adjustment Mechanism is subject to the terms and provisions of the Electric Power Act.

#### Residential Service Rate Schedule

#### Residential Urban

That category of residential customers located in all incorporated cities, towns and villages with population over 2000 served by Maritime Electric.

*Rate* (Code 110)

Service Charge: \$24.57 per Billing Period

Energy Charge: 13.56¢ per kWh for first 2000 kWh per Billing Period

10.79¢ per kWh for balance kWh per Billing Period

#### Residential Rural

That category of residential customers located in all other areas not included under Residential Urban category served by Maritime Electric.

*Rate* (Code 130)

Service Charge: \$26.92 per Billing Period

Energy Charge: 13.56¢ per kWh for first 2000 kWh per Billing Period

10.79¢ per kWh for balance kWh per Billing Period

#### Residential Seasonal

That category of Residential Customers who require service to a dwelling other than a principal residence (e.g., summer cottages).

*Rate* (Code 131)

Service Charge: \$26.92 per Billing Period

Energy Charge: 13.56¢ per kWh for first 2000 kWh per Billing Period

10.79¢ per kWh for balance kWh per Billing Period

## Residential Seasonal Option

Residential seasonal customers with fully accessible outside meters may remain connected year round provided that the energy used during the period 1 November to 31 May inclusive does not exceed fifty percent (50%) of the total energy used between 1 June and 31 October of the preceding year. Residential Seasonal customers whose 1 November to 31 May consumption exceeds this fifty percent (50%) shall be billed under the applicable residential service rate for the periods connected. Meters shall be read or estimated and bills shall be rendered for May, June, July, August, September and October.

*Rate* (Code 133)

Service Charge: \$37.50 per Billing Period

Energy Charge: 13.56¢ per kWh for first 2000 kWh per Billing Period

10.79¢ per kWh for balance kWh per Billing Period

## Residential Service Rate Application Guidelines

#### Urban and Rural

Customers who use electricity for living purposes in any of the following:

- Dwellings;
- Dwelling out buildings; and
- Individually metered, self contained dwelling units within an apartment building.

In addition, the Residential Rate applies to:

- Services to farms and churches; and
- Service for the construction phase of a dwelling.

A premises providing lodging with nine (9) beds or less, including boarding and rooming houses, special care establishments, senior citizen homes, nursing homes, hostels and transition homes.

The combined usage of a dwelling and a business operation measured by one meter, where the connected load of the business operation, excluding space heating and air conditioning, is two (2) kilowatts or less.

#### Seasonal

Customers who use electricity for living purposes in a dwelling other than the customer's principal residence; e.g., summer cottage.

#### **General Service Rate Schedules**

#### General Service

That category of customers in all areas served by Maritime Electric who use electricity for purposes other than those specifically covered under Residential, Small and Large Industrial, Street Lighting or Unmetered Categories.

#### Billing Demand

The greater of the maximum kW demand or 90% of the maximum kVA demand in the billing period.

Rate (Code 232)

Service Charge: \$24.57 per Billing Period

No charge for first 20 kW or less per Billing Period Demand Charge:

\$13.43 per kW for balance kW per Billing Period

Energy Charge: 16.64¢ per kWh for first 5000 kWh per Billing Period

10.90¢ per kWh for balance kWh per Billing Period

Service -Seasonal **Operators** Option

**General** General Service seasonal operators with fully accessible outside meters may remain connected year round provided that the energy used during the period 1 November to 31 May inclusive does not exceed fifty percent (50%) of the total energy used between 1 June and 31 October of the preceding year. General Service seasonal operators whose 1 November to 31 May consumption exceeds this fifty percent (50%) shall be billed under the applicable General Service rate for the periods connected. Meters shall be read or estimated and bills shall be rendered for May, June, July, August, September and October.

> (Code 233) Rate

\$24.57 per Billing Period Service Charge:

No charge for first 20 kW or less per Billing Period Demand Charge:

\$13.43 per kW for balance kW per Billing Period

16.64¢ per kWh for first 5000 kWh per Billing Period Energy Charge:

10.90¢ per kWh for balance kWh per Billing Period

General Service Rate Schedules – Cont'd

General Service II

**General** Rate Class closed effective March 1, 2016

## General Service Rate Application Guidelines

# Service

**General** General Service rate applications include the following:

- Religious and charitable institutions, excluding churches;
- Service for the construction phase of any premises other than a dwelling;
- Dwellings providing lodging with more than nine (9) beds, including boarding and rooming houses, special care establishments, senior citizen homes, nursing homes, hostels and transition homes;
- Combined usage of a dwelling and a business operation measured by one meter, where the connected load of the business operation, excluding space heating and air conditioning, is greater than two (2) kilowatts;
- Bulk metered apartment buildings that combine the service to the dwelling units and/or the common use areas;
- Service to common areas in apartment buildings;
- Any business operation involving both manufacturing/processing and service/repair on which less than one half of the business volume is manufacturing/processing;
- Warehousing, storage and distribution centres on the same property and forming part of a manufacturing or processing operation with one meter where the warehousing, storage and distribution load is greater than one half of the total electricity consumed;
- A retail or wholesale operation on a farm must install a separate meter to measure that retail/wholesale load;

## General Service Rate Application Guidelines - Cont'd

- Water pumping, sewage lift stations, sewage lagoons, chlorinating plants and sewage treatment plants directly related to municipally owned water supplies or waste disposal systems are normally billed at General Service Rates. At the option of the customer, an Industrial Service Rate may be applied; and
- General Service seasonal operators with fully accessible outside meters may remain connected year round provided that the energy used during the period 1 November to 31 May inclusive does not exceed fifty percent (50%) of the total energy used between 1 June and 31 October of the preceding year. Examples of eligible facilities include seasonal tourist accommodations, attractions or eateries.

#### Small Industrial Rate Schedule

## Small Industrial

That category of customers who use electricity chiefly for manufacturing or processing of goods or for the extraction of raw materials and have a minimum contracted demand of five (5) kilowatts.

## Billing Demand

The greatest of:

- The monthly maximum kW demand;
- 90% of the monthly maximum kVA demand; or
- 5 kW.

As a result of installed metering, both the monthly maximum kW demand and 90% of the monthly maximum kVA demand noted above may not apply.

*Rate* (Code 320)

Demand Charge: \$7.46 per kW of billing demand per month

Energy Charge: 16.30¢ per kWh for first 100 kWh per kW of billing

demand per month

8.26¢ per kWh for balance of kWh per month

To be eligible for service with a contracted demand, customers must sign the Contract for Electrical Service under Section C – Agreements and Forms.

#### **Small Industrial Rate Application Guidelines**

Industrial Rates apply to the following S.I.C. groups:

Division C Major group: 04 Logging Industry

Division D Major groups:

06 Mining Industries

07 Crude Petroleum and Natural Gas Industries

08 Quarry and Sand Pit Industries

09 Service Industries Incidental to Mineral Extraction

Division E Manufacturing Industries.

In addition:

Fish hatcheries qualify for this rate.

Any business operation involving both manufacturing/processing and service/repair in which more than one half of the business volume is manufacturing/processing.

Warehousing, storage and distribution centres on the same property and forming part of a manufacturing or processing operation with one (1) meter where the manufacturing/processing load is greater than one half of the total electricity consumed.

A processing operation on a farm must install a separate meter to measure that processing load.

Customers whose demand is above 750 kW and less than 3000 kW may choose to be billed at the Small Industrial Rate but must meet certain conditions of the Large Industrial Rate; specifically, they must be metered at a primary voltage of 69 kV and own the step-down transformation from the primary service voltage or pay an equivalent rental charge.

#### Large Industrial Rate Schedule

#### Large Industrial

That category of customers in all areas served by Maritime Electric who use electricity chiefly for manufacturing or processing of goods or for the extraction of raw materials and have a minimum contracted demand of 750 kW.

#### Billing Demand

The greatest of:

- The monthly maximum kW demand;
- 90% of the maximum kVA demand;
- 90% of the firm amount reserved in the contract for non-curtailable customers or 100% of the total contracted amount for curtailable customers;
- 90% of the maximum demand recorded during the current calendar year excluding April through November; or
- 90% of the lesser of the average demand recorded during the previous calendar year, or the previous calendar year excluding April through November.

Rates (Code 310)

Demand Charge: \$14.50 per kW of the billing demand per month

Energy Charge: 6.75¢ per kWh for all kWh per month

#### Declining Discount Firm Rate:

New facilities coming into service after April 1, 2000 or facilities that were substantially shut down as at October 1, 2000 are eligible for a declining discount on Demand Charges for the additional firm load.

The declining discount is available for five years to Customers who meet all of the following criteria:

- i) the Customer is served directly from the Maritime Electric's transmission system;
- ii) the additional firm load is at least 5,000 kW; and
- iii) the Customer signs a five year agreement with Maritime Electric as the electricity supplier for the total load for the Customer's account at the site.

The declining discounts are:

Year	\$/kW-month	Year	\$/kW-month
1	\$5.39	4	\$2.16
2	\$4.30	5	\$1.08
3	\$3.23	6	\$0.00

The declining discounts are not available for loads that get incentive rate credits or if the Customer is in arrears at the time of application for the declining discount.

#### Start-up Rate

Large Industrial customers starting new operations or expanding existing operations may request a start-up rate for a period not exceeding six (6) consecutive months.

When the new load is the result of expansion, the customer has the option to request the start-up for the total firm load at that location. The request must be submitted in writing to Maritime Electric.

To qualify, the customer must agree to reduce the load for which the startup rate applies within ten (10) minutes of a request from Maritime Electric. The reduction will be to a level stipulated by Maritime Electric. Load reductions will normally be requested when the in-province load is expected to exceed Maritime Electric's supply capability.

Maritime Electric estimates the applicable start-up rate and makes retroactive adjustments based on the customer's actual cost per kWh, which is the aggregate of demand and energy charges, established during the six month period following the start-up period.

The start-up rate will be calculated so that the resulting cost to the customer is the higher of:

- 10.01¢ per kWh, or
- Customer's lowest monthly aggregate cost per kWh in the six months following the start-up period.

The start-up rate period may be extended up to five years for new facilities having a firm load of 5,000 kilowatts or more that are served directly off the transmission system and that Maritime Electric considers to be a new industrial technology. This provision expires on March 31, 2008. In such cases, the firm load of the Customer will not be subject to interruption and the cost of the new firm load will be the lower of (i) Customers actual cost based on usage and applicable rates, or (ii) 9.49¢ per kWh.

# Interruptible Energy Charge

Maritime Electric will supply interruptible energy in excess of the demand reserved for the Customer up to the amount of the Customer's unused generation capability, if such energy is available at the Delivery Point, and can be produced with available Maritime Electric Facilities over and above the requirement of other firm commitments of Maritime Electric. The rate will be based on Maritime Electric's incremental cost of providing such energy.

## Surplus Energy Charge

To qualify for new Surplus Energy, the Customer must sign a minimum three-year contract with Maritime Electric as its sole electricity supplier. Surplus Energy is supplied only if it can be provided with available Maritime Electric Facilities over and above the requirement of other firm commitments of Maritime Electric. The Customer must interrupt Surplus Energy use within ten (10) minutes of a request from Maritime Electric. Customers can purchase Surplus Energy for load additions of 2,000 kilowatts or more.

Customers will be required to interrupt Surplus Energy to meet Maritime Electric financially firm export obligations. When Surplus Energy is interrupted to meet financially firm export obligations, the Customer is reimbursed 50 percent of the cost of the replacement energy that Maritime Electric would have otherwise incurred to supply the export sales.

Customers who fail to interrupt will be billed an additional charge which is the higher of:

- (i) two times the monthly demand charge per kilowatt for the Large Industrial rate classification multiplied by the kilowatts that were not interrupted plus any incremental cost of supplying the energy, or
- (ii) the costs incurred by Maritime Electric for replacement energy to supply financially firm export obligations.

## Surplus Energy Charge (continued)

Up to March 2001, Customers can purchase Surplus Energy for load additions of 2000 kW or more. The total annual sales are limited to 500 million kilowatthours. Because of the limited amount of available Surplus Energy, preference will be given to the Customers who sign a power purchase contract with Maritime Electric until March 2001.

This Surplus Energy is supplied only if it can be provided with available Maritime Electric Facilities. The Customer must interrupt Surplus Energy use within 10 minutes of a request from Maritime Electric. The rate will be based on Maritime Electric's incremental cost of providing such energy.

## Pricing of Interruptible And Surplus Energy

The price is based on Maritime Electric's incremental cost of providing such energy. Incremental cost is defined as Maritime Electric's incremental generation or purchased power cost after supplying in-province firm load and other firm supply commitments.

Interruptible and Surplus Energy price will be:

On peak price = incremental cost during on peak hours +1.96¢/kWh. Off peak price = incremental cost during off peak hours +0.90¢/kWh.

The on peak period is defined as 0800 to 2400 hours Atlantic Prevailing Time on all weekdays, except statutory holidays in Prince Edward Island. All other hours are considered to be off peak.

Maritime Electric will provide a week ahead forecast and day ahead firm quotes of the on and off peak prices to be paid by the customer.

## Schedulable Energy

To qualify for Schedulable Energy, the Customer must sign a minimum five-year contract with Maritime Electric as its sole electricity supplier. Schedulable Energy is supplied only if it can be provided with available Maritime Electric facilities over and above the requirement of other firm commitments, including financially firm export obligations of Maritime Electric. The Customer must interrupt Schedulable Energy use within ten (10) minutes of a request from Maritime Electric, or arrange for a third party supply.

Customers, who are serviced directly from Maritime Electric's transmission system, can purchase Schedulable Energy for load additions of 10,000 kilowatts or more up to March 31, 2008.

## Schedulable Energy (continued)

Customers who fail to interrupt will be billed an additional charge which is the higher of:

- (i) two times the monthly demand charge per kilowatt for the Large Industrial rate classification multiplied by the kilowatts that were not interrupted plus any incremental cost of supplying the energy, or
- (ii) the costs incurred by Maritime Electric for replacement energy to supply financially firm export obligations.

The price is based on Maritime Electric's incremental cost of providing such energy. Incremental cost is defined as Maritime Electric's incremental generation or purchased power costs after supplying in-province firm load and other firm supply commitments.

## Pricing of Schedulable Energy

Schedulable Energy price will be:

On peak price = incremental cost during on peak hours +1.96¢/kWh. Off peak price = incremental cost during off peak hours +0.90¢/kWh.

The on peak period is defined as 0800 to 2400 hours Atlantic Prevailing Time on all weekends, except statutory holidays in Prince Edward Island. All other hours are considered to be off peak.

Maritime Electric will provide a week ahead forecast and day ahead firm quotes of the on and off peak prices to be paid by the Customer. When Maritime Electric has insufficient generation to supply its loads, the price of Schedulable Energy will be quoted and updated on an hourly basis.

Schedulable Energy Customers can arrange for a third party outside of Prince Edward Island to supply energy to Maritime Electric. In such an event, Maritime Electric would pay the supplier  $0.075 \cente{e}/kWh$  less than the incremental cost used in determining the price of Schedulable Energy and the Customer would still pay Maritime Electric the full price of Schedulable Energy including the adders.

#### **Rental Charges**

At the customer's request, Maritime Electric will supply, own and maintain the substation facilities from the high voltage switches to the low voltage terminals of the step-down transformers, provided such transformation satisfies Maritime Electric Standards. The charge for such rental facilities is 15/6% per month of the installed costs. The Customer will supply the low voltage switch gear, concrete substation foundation pads and necessary protective fencing.

#### **Losses Charge**

At the discretion of Maritime Electric, electricity may be supplied at a primary service voltage between 4 kV and 25 kV. In such cases, the monthly demand and energy consumption will be increased by 1½% to compensate for transformation losses.

# Transformation Charge

When a customer is provided service at voltages less than 69 kV, the customer will also be charged an "equivalent kVA rental" charge equal to  $1^5/6\%$  per month of the costs of the equivalent substation kVA utilized by the Customer's electrical load. The equivalent kVA charge is the Customer's kVA demand multiplied by \$1.25 per kVA per month.

#### Contracts

A customer supplied at the Large Industrial Rate is required, and is deemed, to have entered a firm contract providing for the payment of the rate, for an initial term of five (5) years, in the case of a customer considered by Maritime Electric to be a new customer, and for an initial term of one year for a customer considered by Maritime Electric to be an existing customer. The contract will continue thereafter on a firm basis subject to termination by either the customer or Maritime Electric at the end of the initial term, or any date thereafter by either party giving at least twelve month's notice in writing.

When a Customer's operations are jeopardized because of a failure of its electricity generating equipment, the Customer can apply to suspend any portion of its curtailable power contract and/or firm up all or part of interruptible purchases for a period of at least six months and not more than one year.

#### Metering

The metering point shall be at or near the transmission line terminals (69 kV).

#### Large Industrial Rate Application Guidelines

Industrial Rates apply to the following S.I.C. groups:

Division C Major Group: 04 Logging Industry

Division D Major Groups:

06 Mining Industries

07 Crude Petroleum and Natural Gas Industries

08 Quarry and Sand Pit Industries

09 Service Industries Incidental to Mineral Extraction

Division E, Manufacturing Industries.

In addition:

Any business operation involving both manufacturing/processing and service/repair in which more than one half of the business volume is manufacturing/processing.

Warehousing, storage and distribution centres on the same property and forming part of a manufacturing or processing operation with one (1) meter where the manufacturing or processing load is greater than one half of the total load.

Customers whose demand is above 750 kW and less than 3000 kW may choose to be billed at the Small Industrial Rate but must meet certain conditions of the Large Industrial Rate; specifically, they must be metered at a primary service voltage of 69 kV and own the step-down transformation from the delivery voltage or pay an equivalent rental charge.

#### Wholesale Rate Schedule

**Application** The City of Summerside Electric Department.

Long Term Contract:

The Wholesale Customer agrees to enter into a contract with Maritime Electric for a period not less than 10 years.

*Rate* (Code 340)

Demand Charge: \$15.51 per kW per month

Energy Charge: 9.11¢ per kWh for all kWh in the month

Short Term Contract:

The Wholesale Customer agrees to enter into a contract with Maritime Electric for a period not less than 1 year.

*Rate* (Code 330)

Demand Charge: \$16.79 per kW per month

Energy Charge: 9.29¢ per kWh for all kWh in the first block per

month

7.73¢ per kWh for balance of kWh in the month

First Energy Block Determination

Set each year on 1 April based on the minimum monthly energy purchases that would have been required from Maritime Electric during the previous year period of 1 April to 31 March, assuming normalized generation from the customer's generating facilities.

## **Unmetered Rate Schedules**

# Unmetered Service

That category of customers in all areas served by Maritime Electric requiring Unmetered Service.

Rate

Minimum Charge: \$11.67 per month

Energy Charge: 16.61¢ per kWh of estimated consumption

Rate Codes: 810 – 8 hour

820 – 12 hour 830 – 24 hour

#### **Unmetered Rate Application Guidelines**

Services for which electricity consumption is uniform and easily estimated.

Services where metering is not considered practical by Maritime Electric.

Specific applications of the Unmetered Rates include:

- Traffic control lights;
- Self contained sign lighting;
- Architectural flood lighting;
- Decorative lighting;
- Carrier repeaters;
- Radio transmitters;
- Telephone booths;
- Range lights;
- Airport runway lights;
- Highway traffic counters; and
- CATV power supply units.

# **Estimating Consumption**

Electricity consumption is estimated by multiplying the connected load in watts times the hours of usage. For example, a photoelectrically controlled 100 watt sign light operates approximately 12 hours per day, has an estimated annual consumption calculated as follows:

100 watts x 12 hours x 365 days = 438,000 watt-hours or 438 kWh per year.

If conditions are such as to cause reasonable doubt concerning the connected load, recording equipment will be installed to determine the kW connected load.

## Rate Schedules and Rate Application Guidelines

## Miscellaneous Rate Schedules

Air Raid and Fire Sirens (unmetered) Customer is charged \$4.52 per month per HP of nameplate rating. *(Code 840)* 

Outdoor Christmas Lighting Customer is charged 5.77¢ per watt of connected load per week. The minimum charge is for a period of one (1) week.

(Code 850)

## **Short Term Unmetered Rate Schedule**

That category of customers in all areas served by Maritime Electric requiring single-phase and three-phase installations and connected for no longer than one (1) month. The installation will not be metered.

#### Rate

Connection Charge:		Single-Phase	Three-Phase	
Α.	Connecting to existing Secondary voltage	\$99.08	\$99.08	

B. Where transformer installations are required, the following connection charges will apply:

	Single-Phase	Three-Phase
(1) Up to and including		
10 kVA	\$148.87	\$209.17
(2) 11 kVA to 15 kVA	\$240.79	\$301.01
(3) 16 kVA to 25 kVA	\$269.20	\$336.64
(4) 26 kVA to 37 kVA	\$301.01	\$336.64
(5) 38 kVA to 50 kVA	\$336.64	\$336.64
(6) 51 kVA to 75 kVA	\$369.58	\$523.96
(7) 76 kVA to 125 kVA	\$431.07	\$555.59
(8) Above 125 kVA	-	\$594.94

Energy Charge:

16.61¢ per kWh of estimated consumption

## **Short Term Unmetered Rate Application Guidelines**

Available to serve such events as carnivals, bazaars and unmetered installations.

Connected for no longer than one (1) month.

When the service exceeds one month, the installation will be billed and the remaining time considered as a new installation.

When meters are involved, and not disconnected, a reading will be taken and the kilowatt hours noted for record purposes only.

When poles or additional equipment other than the transformer installation are required, the installation and removal charges will be estimated and collected before work commences. Customers who have a credit history, acceptable to Maritime Electric, may be billed using a Customers Contribution Estimate.

# **Estimating** Consumption

Electricity consumption is estimated by multiplying the connected load in kW (or kVA times 0.9), times the hours of usage. For example, a carnival with a connected load of 25 kVA operates 12 hours per day for 10 days has an estimated consumption calculated as follows:

25 kVA x 0.9 power factor x 12 hours x 10 days = 2,700 kWh.

If conditions are such as to cause reasonable doubt concerning the connected load, recording equipment will be installed to determine the kVA connected load.

## Rental Facility Rate Schedules

Area Lighting

This rate applies to customers renting area lighting from Maritime Electric for a minimum of 12 consecutive months.

Rate	
Luminaires:	

	Mean Output	(\$) Rate	(\$) Rate	Rate	Annual
Lamp Wattage	(Lumens)	Per Year	Per Month	Code	kWhs
Lamp wattage	(Lumens)	i ci i cai	i ei wontii	Code	K W 113
Mercury Vapour					
*125 Watt	5300	181.20	15.10	735	656
*175 Watt	7500	230.40	19.20	736	881
*250 Watt	11100	320.52	26.71	737	1210
*400 Watt	19800	409.44	34.12	738	1906
High Pressure Soc	dium				
*70 Watt	5500	183.00	15.25	730	389
*100 Watt	8500	232.32	19.36	731	553
*150 Watt	14400	332.28	27.69	732	799
*200 Watt	19800	363.72	30.31	720	1033
250 Watt	27000	451.80	37.65	733	1283
400 Watt	45000	528.48	44.04	734	1886
High Pressure Soc	dium Floodlig	ght			
250 Watt	-	431.04	35.92	753	_
400 Watt	-	536.76	44.73	754	-
Metal Halide Floo	dlight				
250 Watt	-	454.08	37.84	755	_
400 Watt	-	558.84	46.57	756	_
1000 Watt	-	959.16	79.93	757	-
Poles:					
Wood Pole			4.38	610	-
Concrete Pole			7.96	611	-

<sup>\*</sup>These charges are applicable to existing fixtures only.

## Rental Facility Rate Schedules - Cont'd

Street Lighting That category of customers renting street lighting from Maritime Electric.

Rate					
Luminaires:		(\$)	(\$)		
	Mean Output	Rate	Rate	Rate	Annual
Lamp Wattage	(Lumens)	Per Year	Per Month	Code	kWhs
Mercury Vap	our				
*125 Watt	5300	181.20	15.10	635	656
*175 Watt	7500	230.40	19.20	636	881
*250 Watt	11100	320.40	26.70	637	1210
*400 Watt	19800	447.12	37.26	638	1906
High Pressur	e Sodium				
70 Watt I	antern 5500	672.72	56.06	639	389
*70 Watt	5500	183.00	15.25	630	389
*100 Watt	8500	232.80	19.40	631	553
*150 Watt	14400	332.28	27.69	632	799
*200 Watt	19800	397.80	33.15	620	1033
250 Watt	27000	451.80	37.65	633	1283
400 Watt	45000	528.48	44.04	634	1886
LED Lightin	g				
43 Watt	-	138.36	11.53	619	176
50 Watt	-	143.28	11.94	625	205
72 Watt	-	159.24	13.27	666	295
100 Watt	-	185.28	15.44	670	410

<sup>\*</sup>These charges are applicable to existing fixtures only.

## Rate Schedules and Rate Application Guidelines

## Rental Facility Rate Schedules - Cont'd

**Pole** That category of customers renting poles from Maritime Electric.

## Rate

The rental rate for poles is:

	(\$)	
	Rate	
	Per Pole	Rate
	Per Year	Code
Wood pole	52.57	610
Concrete pole	95.48	611

## **Customer Facility Rate Schedule**

## Customer Owned Street and Area Lighting

That category of customers owning street and area lighting.

<b>Rate</b> (\$) (\$) Rate Rate	
Lamp Wattage Per Per Code Code	Annual
Year Month <u>St. Lt</u> . <u>Yd. Lt</u> .	<u>kWhs</u>
Incandescent	
100 Watt 72.24 6.02	-
200 Watt 145.56 12.13	-
300 Watt 217.56 18.13	-
500 Watt 349.08 29.09	-
Mercury Vapour	
100 Watt 87.36 7.28	-
125 Watt 107.40 8.95 645 * 745	656
175 Watt 145.56 12.13 646 * 746	881
250 Watt 201.00 16.75 647 * 747	1210
400 Watt 318.12 26.51 648 748	1906
700 Watt 541.44 45.12	-
1000 Watt 768.96 64.08	-
Low Pressure Sodium	
90 Watt 82.92 6.91 752 752	-
135 Watt 118.20 9.85 751 751	-
180 Watt 148.56 12.38 749 749	869
High Pressure Sodium	
~	* 389
100 Watt 94.80 7.90 641 * 741	* 553
150 Watt 127.44 10.62 642 * 742	779
200 Watt 175.56 14.63 650 * 750	1033
250 Watt 201.72 16.81 643 743	1283
400 Watt 318.36 26.53 644 744	1886
1000 Watt 763.44 63.62	-
Metal Halide Lighting	
70 Watt 64.80 5.40 - 758	390
100 Watt 88.68 7.39 - 759	533
150 Watt 126.12 10.51 - 765	759
175 Watt 148.80 12.40 - 760	894
250 Watt 190.92 15.91 - 761	1148
400 Watt 312.12 26.01 - 762	1878
1000 Watt 722.40 60.20 - 763	4346
LED Lighting	
43 Watt 29.16 2.43 719 -	176
72 Watt 48.96 4.08 766 -	295
100 Watt 68.16 5.68 764 -	410
107 Watt 72.84 6.07 775 -	438
143 Watt 97.44 8.12 780 -	586
175 Watt 119.16 9.93 785 -	718

<sup>\*</sup> These charges are applicable to existing fixtures only.

#### N-25 (continued)

#### Rate Schedules and Rate Application Guidelines

## **Customer Facility Rate Schedule**

## Customer Owned Street and Area Lighting

The above charges apply to photocontrolled lights operating from dusk to dawn. The energy charges for lights operating from dusk to 1:30 a.m. and controlled by a time switch shall be 50% of the above rates.

Customers may request service for a customer owned street and area lighting fixture other than those categories listed above provided the fixture meets current electrical standards and is approved for installation by Maritime Electric. The interim rate for these new fixtures will be calculated using the formula below, as approved by IRAC.

Basic Rate =  $\frac{4,100 \text{ hrs x W}/1000 \text{ x U}}{12 \text{ months}}$ 

Where:

4,100 hours = the number of hours the fixture is on during the

year

W = total wattage of the fixture, ballast and any other

apparatus associated with the fixture

U = the basic Un-metered Service energy rate from

Section N-17 of the approved tariff.

#### Rate Schedules and Rate Application Guidelines

## Customer Facility Rate Schedule - Cont'd

## Customer Owned Outdoor Recreational Lighting

That category of customer owning metered outdoor lighting which operates only during the period April through November.

Rate

Service Charge: \$24.57 billing period

Energy Charge: 16.61¢ per kWh for first 5000 kWh per billing period

10.20¢ per kWh for balance kWh per billing period

The above rate is available to customers with outdoor recreation lighting. Examples of customers on this rate include: baseball parks, soccer fields and tennis courts. Customers who have non-lighting requirements on the same service can also qualify for this rate if the connected non-lighting load is less than 20 kilowatts.

Customers on this rate who use electricity during December through March will be assessed demand charges for each month, including the preceding April through November, in which electricity is used. The demand charges will be assessed at the General Service I Rate. Failure to pay demand charges will result in the customer being placed on the General Service I Rate.

#### **Open Access Transmission Tariff**

This rate applies to eligible customers requiring transmission services. An eligible customer is:

(i) any electric utility (including the transmission provider), wholesale customer or any person generating electric energy for sale or resale outside of Prince Edward Island.

#### **Application**

Eligible customers requesting transmission services must apply in writing and request services for a minimum 12 month period.

## Transmission Services Include

Transmission Access and Capacity Scheduling, System Control and Dispatch Service Reactive Supply and Voltage Control

## **Billing Procedure**

Within a reasonable time after the first day of each month, the transmission provider or its designated agent shall submit an invoice to the transmission customer for the charges for all services furnished under the Tariff during the preceding month. The invoice shall be paid by the transmission customer within 20 calendar days of receipt. All payments shall be made in immediately available funds payable to the transmission provider.

#### Rate (Code XXX)

The rates charged will be equal to 95% of those under the New Brunswick Power Tariff as amended from time to time.

**Energy Cost Adjustment Mechanism:** This rate is not subject to the Energy Cost Adjustment Mechanism.

## N-28 Rate Schedules and Rate Application Guidelines

## Schedule of "Adjusted Rates"

Maritime Electric Company Limited	
Applied to Bills Effective March 1, 2016	ô

<ul> <li>Rate Code  110 Residential Urban Service Charge Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh  130 Residential Rural Service Charge Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh</li> <li>131 Residential Seasonal Service Charge Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance of kWh</li> </ul>	\$\$\$\$ \$\$\$\$ \$\$\$\$	24.57 0.1356 0.1079 26.92 0.1356 0.1079
Service Charge Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh  130 Residential Rural Service Charge Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh  131 Residential Seasonal Service Charge Energy Charge per kWh for first 2,000 kWh	\$ \$ \$ \$	0.1356 0.1079 26.92 0.1356 0.1079
Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh  130 Residential Rural Service Charge Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh  131 Residential Seasonal Service Charge Energy Charge per kWh for first 2,000 kWh	\$ \$ \$ \$	0.1356 0.1079 26.92 0.1356 0.1079
130 Residential Rural Service Charge Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh  131 Residential Seasonal Service Charge Energy Charge per kWh for first 2,000 kWh	\$ \$ \$ \$	26.92 0.1356 0.1079 26.92
<ul> <li>130 Residential Rural         Service Charge         Energy Charge per kWh for first 2,000 kWh         Energy Charge per kWh for balance kWh     </li> <li>131 Residential Seasonal         Service Charge         Energy Charge per kWh for first 2,000 kWh     </li> </ul>	\$ \$ \$	26.92 0.1356 0.1079 26.92
Service Charge Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh  131 Residential Seasonal Service Charge Energy Charge per kWh for first 2,000 kWh	\$ \$ \$	0.1356 0.1079 26.92
Energy Charge per kWh for first 2,000 kWh Energy Charge per kWh for balance kWh  131 Residential Seasonal Service Charge Energy Charge per kWh for first 2,000 kWh	\$ \$ \$	0.1356 0.1079 26.92
Energy Charge per kWh for balance kWh  131 Residential Seasonal Service Charge Energy Charge per kWh for first 2,000 kWh	\$ \$ \$	0.1079 26.92
131 Residential Seasonal Service Charge Energy Charge per kWh for first 2,000 kWh	\$ \$	26.92
Service Charge Energy Charge per kWh for first 2,000 kWh	\$ \$ \$	
Energy Charge per kWh for first 2,000 kWh	\$ \$ \$	
	\$ \$	
Energy Charge per kWh for balance of kWh	\$	0.1356
		0.1079
133 Residential Seasonal Option		
Service Charge	\$ <b>\$</b>	37.50
Energy Charge per kWh for first 2,000 kWh	\$	0.1356
Energy Charge per kWh for balance of kWh	\$	0.1079
232 General Service		
Service Charge	\$	24.57
Demand Charge - per kW for first 20 kW	\$ \$ \$	-
Demand Charge - per kW for balance of kW	\$	13.43
Energy Charge per kWh for first 5,000 kWh Energy Charge per kWh for balance of kWh	\$ \$	0.1664 0.1090
Energy Charge per KWITTOI balance of KWIT	Ψ	0.1090
233 General Service - Seasonal Operators Option	•	
Service Charge	\$	24.57
Demand Charge - per kW for first 20 kW	<b>\$</b>	13.43
Demand Charge - per kW for balance of kW Energy Charge per kWh for first 5,000 kWh	\$ \$ \$ \$	0.1664
Energy Charge per kWh for balance of kWh	Ψ \$	0.1004
	Ψ	0.1000
320 Small Industrial	¢	7.46
Demand Charge - per kW Energy Charge per kWh for first 100 kWh per kW billing demand	\$ ! \$	7.46 0.1630
Energy Charge per kWh for balance of kWh	, , , , , , , , , , , , , , , , , , ,	0.1030
	ŕ	
310 Large Industrial	•	44.50
Demand Charge per kW	\$ <b>\$</b>	14.50
Energy Charge per kWh	Ф	0.0675
340 Long Term Contract		
Demand Charge per kW	\$ \$	15.51
Energy Charge per kWh	\$	0.0911
330 Short Term Contract		
Demand Charge - per kW	\$	16.79
Energy Charge per kWh for all kWh in the first block	\$	0.0929
Energy Charge per kvvn for balance of kvvn in the month	<b>\$</b>	0.0773
Energy Charge per kWh for balance of kWh in the month	\$	0.0773

## Schedule of "Adjusted Rates"

# Maritime Electric Company Limited Applied to Bills Effective March 1, 2016

	Rate Code	Lamp Wattage	Туре		kWh	Monthly kWh	Basic Rates
	619	43	LED	St Lights - Rented	176	15 \$	11.53
*	620	200	HPS	St Lights - Rented	1033	86 \$	33.15
	625	50	LED	St Lights - Rented	205	17 \$	11.94
*	630	70	HPS	St Lights - Rented	389	32 \$	15.25
*	631	100	HPS	St Lights - Rented	553	46 \$	19.40
*	632	150	HPS	St Lights - Rented	799	66 \$	27.69
	633	250	HPS	St Lights - Rented	1283	106 \$	37.65
*	634	400	HPS	St Lights - Rented	1886	157 \$	44.04
*	635 636	125 175	MV MV	St Lights - Rented	656	54 <b>\$</b> 73 <b>\$</b>	15.10 19.20
*	637	250	MV	St Lights - Rented St Lights - Rented	881 1210	101 \$	26.70
*	638	400	MV	St Lights - Rented	1906	158 \$	37.26
	639	70	Lanterns	City Lanterns - Rented	389	32 \$	56.06
*	640	70	HPS	St Lights - Owned	389	32 \$	5.99
*	641	100	HPS	St Lights - Owned	553	46 \$	7.90
*	642	150	HPS	St Lights - Owned	779	65 \$	10.62
	643	250	HPS	St Lights - Owned	1283	107 \$	16.81
	644	400	HPS	St Lights - Owned	1886	157 \$	26.53
*	645	125	MV	St Lights - Owned	656	55 \$	8.95
*	646	175	MV	St Lights - Owned	881	73 \$	12.13
*	647	250	MV	St Lights - Owned	1210	101 \$	16.75
	648	400	MV	St Lights - Owned	1906	159 \$	26.51
*	650	200	HPS	St Lights - Owned	1033	86 \$	14.63
	666	72	LED	St Lights - Rented	295	25 \$	13.27
	670	100	LED	St Lights - Rented	410	34 \$	15.44
*	719	43	LED	St Lights - Owned	176	15 \$	2.43
*	720 730	200	HPS HPS	Yard Lights - Rented	1033	86 \$	30.31
*	730 731	70 100	HPS	Yard Lights - Rented	389 553	32 <b>\$</b> 46 <b>\$</b>	15.25 19.36
*	732	150	HPS	Yard Lights - Rented Yard Lights - Rented	799	66 \$	27.69
	733	250	HPS	Yard Lights - Rented	1283	106 \$	37.65
	734	400	HPS	Yard Lights - Rented	1886	157 \$	44.04
*	735	125	MV	Yard Lights - Rented	656	54 \$	15.10
*	736	175	MV	Yard Lights - Rented	881	73 \$	19.20
*	737	250	MV	Yard Lights - Rented	1210	100 \$	26.71
*	738	400	MV	Yard Lights - Rented	1906	158 \$	34.12
*	740	70	HPS	Yard Lights - Owned	389	32 \$	5.99
*	741	100	HPS	Yard Lights - Owned	553	46 \$	7.90
	742	150	HPS	Yard Lights - Owned	779	65 \$	10.62
	743	250	HPS	Yard Lights - Owned	1283	107 \$	16.81
	744	400	HPS	Yard Lights - Owned	1886	157 \$	26.53
	745	125	MV	Yard Lights - Owned	656	55 \$	8.95
	746	175	MV	Yard Lights - Owned	881	73 \$	12.13
	747	250	MV	Yard Lights - Owned	1210	101 \$	16.75
	748 740	400	MV	Yard Lights - Owned	1906	159 \$	26.51
	749 750	180	LPS HPS	Yard Lights - Owned	869	72 <b>\$</b>	12.38
	750 751	200 135	LPS	Yard Lights - Owned Yard Lights - Owned	1033 730	86 <b>\$</b> 61 <b>\$</b>	14.63 9.85
	751 752	90	LPS	Yard Lights - Owned Yard Lights - Owned	730 521	43 \$	9.85 6.91
	752 753	250	Flood	Yard Lights - Owned Yard Lights - Rented	1283	107 \$	35.92
	754	400	Flood	Yard Lights - Rented	1886	157 \$	44.73
	755	250	Halide	Yard Lights - Rented	1148	95 \$	37.84
	756	400	Halide	Yard Lights - Rented	1878	156 \$	46.57
	757	1000	Halide	Yard Lights - Rented	4346	362 \$	79.93
	758	70	Halide	St Lights - Owned	390	32 \$	5.40
	759	100	Halide	St Lights - Owned	533	44 \$	7.39
	760	175	Halide	St Lights - Owned	894	74 \$	12.40
	761	250	Halide	St Lights - Owned	1148	95 \$	15.91
	762	400	Halide	St Lights - Owned	1878	156 \$	26.01
	763	1000	Halide	St Lights - Owned	4346	362 \$	60.20
	764	100	LED	St Lights - Owned	410	34 \$	5.68
	765	150	Halide	St Lights - Owned	759	63 \$	10.51
	766	72	LED	St Lights - Owned	295	25 \$	4.08
	775 700	107	LED	St Lights - Owned	438	37 \$	6.07
	780 785	143 175	LED	St Lights - Owned	586	49 <b>\$</b>	8.12
* T	785	175 are applicable to e	LED vieting fixtur	St Lights - Owned	718	60 \$	9.93
	nooc onarges	are applicable to 6	Albung lixtur	oo only			

N-28	Rate Schedules and Rate Application Guidelines

## Schedule of "Adjusted Rates"

# Maritime Electric Company Limited Applied to Bills Effective March 1, 2016

	Applied to Bills Effective March 1, 2016				
					Datas
610	Pole Rental -Wood			\$	Rates 4.38
611	Pole Rental - Wood			Ф \$	7.96
011	Fole Rental -Concrete			Φ	7.90
	Unmetered Rates (based on 100 watt fixture)				
810	8 Hour Lighting per kWh			\$	0.1661
0.0	Minimum Charge				11.67
820	12 Hour Lighting per kWh			\$ <b>\$</b> \$ <b>\$</b>	0.1661
	Minimum Charge			\$	11.67
830	24 Hour Lighting per kWh			\$	0.1661
	Minimum Charge			\$	11.67
840	Air Raid and Fire Sirens	Currently no c	ustomers in this	s ra	te category
850	Outdoor Christmas Lighting: 5.77¢ per watt of connected load per week				
234	Customer Owned Outdoor Recreational Lighting			•	04.55
	Service Charge			\$	24.57
	Energy Charge per kWh for first 5,000 kWh			\$ \$	0.1661
	Energy Charge per kWh for balance of kWh			Ъ	0.1020
	Short Term Unmetered Rates Currently no customers in this rate category				
	Energy Charge:	Curronaly 110 t		···	o category
	per kWh of estimated consumption			\$	0.1661
	po 5. 55			•	000.
	Connection Charge:	Single-Phase	Three-Phase		
	A. Connecting to existing secondary voltage	\$99.08	\$99.08		
	B. Where transformer installations are required, the following connection charge	jes will apply:			
		a			
	// · · · · · · · · · · · · · · · · · ·	Single-Phase			
	(1) Up to and including 10 kVA	\$148.87	\$209.17		
	(2) 11 kVA to 15 kVA	\$240.79	\$301.01		
	(3) 16 kVA to 25 kVA	\$269.20 \$301.01	\$336.64		
	(4) 26 kVA to 37 kVA	\$301.01 \$336.64	\$336.64		
	(5) 38 kVA to 50 kVA (6) 51 kVA to 75 kVA	\$336.64 \$369.58	\$336.64 \$523.96		
	(6) 51 KVA to 75 KVA (7) 76 kVA to 125 kVA	\$369.58 \$431.07	\$523.96 \$555.59		
	(8) Above 125 kVA	φ <del>4</del> 31.07	\$594.94		
	(O) MOOVE 120 KVM	U	ψυυπ.υπ		