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August 1, 2017

Mr. D. Christle
Secretary and Executive Director
Public Utilities Board
400-330 Portage Avenue
Winnipeg, Manitoba
R3C 0C4

Dear Mr. Christle:

RE: MANITOBA HYDRO 2017/18 & 2018/19 GENERAL RATE APPLICATION – RATE SCHEDULES TO BE EFFECTIVE AUGUST 1, 2017 PURSUANT TO ORDER 80/17

On July 31, 2017, the Public Utilities Board (“PUB”) issued Order 80/17 approving, on an interim basis, a 3.36% across-the-board increase in billed rates for all rate classes effective August 1, 2017.

Manitoba Hydro is providing for the PUB’s approval the Rate Schedules reflective of a 3.36% across-the-board rate increase pursuant to Order 80/17. In addition, Manitoba Hydro is providing Bill Comparisons and Proof of Revenue schedules reflective of this increase. The Proof of Revenue schedules indicate the expected revenues forecast to be generated both over the remaining months of the 2017/18 fiscal year (August to March) and on annualized basis.

Manitoba Hydro respectfully requests the PUB’s approval of the enclosed Rate Schedules in a timely manner. Should you have any questions with respect to this submission, please contact the writer at 204-360-3946 or Greg Barnlund at 204-360-5243.

Yours truly,

MANITOBA HYDRO LAW DIVISION

Per:

A handwritten signature in blue ink, appearing to read 'P. Ramage', written over a horizontal line.

PATRICIA J. RAMAGE
Barrister & Solicitor

cc: All Approved Interveners
Odette Fernandes, Manitoba Hydro
Bob Peters, Board Counsel
Dayna Steinfeld, Board Counsel

Att.

Available in accessible formats upon request

RATE SCHEDULES

EFFECTIVE

AUGUST 1, 2017

IN ACCORDANCE WITH

BOARD ORDER 80/17



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DEFINITIONS

All Rates Schedules in the publication are applied on a MONTHLY basis except as noted.

The following expressions shall have the following meanings:

- a) “Basic Charge”: a fixed charge that that does not change with the amount of electricity used. This includes the direct costs of metering, portions of the distribution system, as well as billing administration.
- b) “Billing Demand”: The greatest of the following (expressed in kVA)
 - i. measured demand; or
 - ii. % of contract demand; or
 - iii. % of the highest measured demand in the previous 12 months.
- c) “Billing Month”: the period of time, generally 30 days, in which Energy and/or Demand is consumed and thereafter billed to the Customer.
- d) “Demand”: the maximum use of power within a specified period of time.
- e) “Demand Charge”: that portion of the charge for electric service based upon the electric capacity (kVA) consumed and billed on the basis of the billing demand under an applicable rate schedule.
- f) “Energy”: power integrated over time and measured or expressed in kilowatt-hours (kWh).
- g) “Energy Charge”: that portion of the charge for electric service based upon the electric energy (kWh) consumed or billed.
- h) “Kilo-Volt Amperes (kVA)”: also referred to as apparent power, is the product of the volts times current of a circuit divided by 1000. It is composed of both real and reactive power.
- i) “Kilowatt Hour (kWh)”: the basic unit of electric energy equal to one kilowatt of power supplied to or taken from an electric circuit steadily for one hour.
- j) “Measured Demand”: the highest demand recorded in the Billing Month.
- k) “Power Factor”: is the ratio of real power (kW) to apparent power (kVA) for any given load and time. Generally it is expressed as a percentage ratio.
- l) “Watt (W)”: the electrical unit of power or rate of doing work; the rate of energy transfer equivalent to one ampere flowing under a pressure of one volt at unity power factor.

RESIDENTIAL RATES**RESIDENTIAL - TARIFF NO. 2017-01**

Basic Charge:	\$ 8.08
PLUS	
Energy Charge:	
All kWh	@ 8.196 ¢ / kWh
Minimum Bill:	\$ 8.08

Services over 200 amps will have \$8.08 added to the Basic Charge.

Applicability:

The Residential rate is applicable for all residential purposes as follows:

- a) individually metered single family dwellings including those in multiple residential projects and single or three phase farm operations served through the same meter if:
 - i. the connected business load does NOT exceed 3 kW; or
 - ii. the combined agricultural and residential load does NOT exceed a demand of 50 kW.
- b) services for personal use outside the home, such as residential water wells, private garages, boat houses and swimming pools (use can be for household, recreational and hobby activities).
- c) single metered multiple residential projects meeting all the following criteria:
 - i. monthly demand does not exceed 50 kVA;
 - ii. the meter serves four or less individual suites or dwelling units;
 - iii. none of the units are used for business purposes;
 - iv. individual dwelling units are:
 - self-contained rental apartments with common facilities; or
 - row housing with self-contained rental dwelling units and common facilities; or
 - buildings with condominium type dwellings incorporated under *the Condominium Act*; or individual residential services within a trailer park established prior to May 1, 1969.

RESIDENTIAL RATES

SEASONAL - TARIFF NO. 2017-02

Annual Basic Charge:	\$ 96.96
PLUS	
Energy Charge:	
All kWh	@ 8.196 ¢ / kWh
Minimum Annual Bill:	\$ 96.96

The account is billed twice a year, April and October, each for a six-month period. The April billing is for the Annual Basic Charge plus past winter season's consumption. The October billing is for the summer season's consumption only.

Applicability:

The Seasonal rate is applicable to customers outside of the Winnipeg area using less than 7,500 kWh per season and is for residential purposes on an individually metered service when usage is of a casual or intermittent nature.

DIESEL - TARIFF NO. 2017-03

Basic Charge:	\$ 8.08
PLUS	
Energy Charge:	
All kWh	@ 8.196 ¢ / kWh
Minimum Bill:	\$ 8.08

Applicability:

The Residential rate applies to all residential services in the Diesel Communities, provided the service capacity does not exceed 60 A, 120/240 V, single phase.

RESIDENTIAL**FLAT RATE WATER HEATING RATES**

(NOT available for new services)

<u>Element Size</u>	<u>TARIFF NO. 2017-09</u>	<u>TARIFF NO. 2017-10</u>
	<u>Controlled</u>	<u>Uncontrolled</u>
500 W	\$ 12.62	\$ 16.68
600 W	\$ 14.96	\$ 19.85
750 W	\$ 18.36	\$ 24.48
900 W	\$ 21.83	\$ 29.09
1,000 W	\$ 24.07	\$ 32.21
1,200 W	\$ 27.33	\$ 36.14
1,250 W	\$ 28.14	\$ 37.18
1,500 W	\$ 32.21	\$ 41.94
2,000 W	\$ 38.76	\$ 50.57
2,500 W	\$ 43.64	\$ 56.66
3,000 W	\$ 47.76	\$ 62.82
3,500 W	\$ 53.69	\$ 69.97
4,000 W	\$ 59.53	\$ 77.13
4,500 W	\$ 66.48	\$ 85.63
6,000 W	\$ -	\$ 110.93
1,500 / 1,000 W	\$ 25.05	\$ 33.50
2,000 / 1,000 W	\$ 25.70	\$ 34.33
3,000 / 1,000 W	\$ 26.25	\$ 35.55
2,000 / 1,500 W	\$ 34.87	\$ 46.62
3,000 / 1,500 W	\$ 35.69	\$ 47.49
4,500 / 1,500 W	\$ 36.91	\$ 49.39
3,000 / 2,000 W	\$ 42.86	\$ 57.46

Applicability:

Available only for services continuously energized since November 11, 1969.

GENERAL SERVICE

0 TO NOT EXCEEDING 200 kVA

(Utility-Owned Transformation)

SMALL SINGLE PHASE - *TARIFF NO. 2017-20*

Basic Charge:	\$ 21.91
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.609 ¢ / kWh
Next 8,500 kWh	@ 5.976 ¢ / kWh
Balance of kWh	@ 3.944 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.10 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge	

SMALL THREE PHASE - *TARIFF NO. 2017-21*

Basic Charge:	\$ 30.89
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.609 ¢ / kWh
Next 8,500 kWh	@ 5.976 ¢ / kWh
Balance of kWh	@ 3.944 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.10 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge	

Accounts where the Monthly Billing Demand is 50 kVA or less within the past 12-month period, ALL energy in excess of 11,000 kWh will be charged @ 5.976 ¢ / kWh.

Primary metering of multiple Utility-Owned transformation services has an additional 2% added to the kVA for each transformation greater than one. There is also a 1% reduction on recorded demand and energy to account for transformer losses.

Applicability:

The General Service Small Rate is applicable to:

- a) service with Utility-Owned transformation for all non-residential purposes including churches, community clubs and other community service and recreation facilities and all commercial and general purposes wherein the conduct of business activities or operation is associated with the distribution of goods and/or services.
- b) occupied dwellings where the connected business load exceeds 3 kW to not exceeding 200 kW.
- c) single metered multiple residential projects meeting any of the following criteria:
 - i. monthly demand exceeds 50 kVA to not exceeding 200 kVA ; or
 - ii. the meter serves five or more individual suites or dwelling units; or
 - iii. any of the units are used for business purposes.
- d) farm services:
 - i. without an occupied dwelling being used for agricultural or commercial purposes; or
 - ii. where the connected business load exceeds 3 kW to not exceeding 200 kW;
or
 - iii. where the combined agricultural and residential load exceeds a demand of 50 kVA to not exceeding 200 kVA.

GENERAL SERVICE**0 TO NOT EXCEEDING 50 kVA**

(Utility-Owned Transformation)

SEASONAL - TARIFF NO. 2017-22

Annual Basic Charge:	\$ 262.92
PLUS	
First 66,000 kWh	@ 8.609 ¢ / kWh
Balance of kWh	@ 5.976 ¢ / kWh
Minimum Annual Bill:	\$ 262.92

SEASONAL THREE PHASE - TARIFF NO. 2017-27

Annual Basic Charge:	\$ 370.68
PLUS	
First 66,000 kWh	@ 8.609 ¢ / kWh
Balance of kWh	@ 5.976 ¢ / kWh
Minimum Annual Bill:	\$ 370.68

The account is billed twice a year, April and October, each for a six-month period. The April billing is for the Annual Basic Charge plus past winter season's consumption. The October billing is for the summer season's consumption only.

Applicability:

The General Service Seasonal rate is applicable for businesses outside of the Winnipeg area whose:

- a) demand does NOT exceed 50 kVA;
- b) usage is of an intermittent or casual nature;
- c) consumption is primarily summer time and usage is limited in the winter; and
- d) business load is greater than 3 kW in a residence.

GENERAL SERVICE**0 TO NOT EXCEEDING 200 kVA**

(Utility-Owned Transformation)

COOKING AND HEATING STANDARD - *TARIFF NO. 2017-23*

Basic Charge:	\$ 21.91
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.609 ¢ / kWh
Balance of kWh	@ 5.976 ¢ / kWh
Minimum Bill:	\$ 21.91

COOKING AND HEATING SEASONAL - *TARIFF NO. 2017-24*

Annual Basic Charge:	\$ 262.92
PLUS	
Energy Charge:	
First 66,000 kWh	@ 8.609 ¢ / kWh
Balance of kWh	@ 5.976 ¢ / kWh
Minimum Annual Bill:	\$ 262.92

Seasonal Cooking and Heating accounts are billed twice a year, April and October, each for a six-month period. The April billing is for the Annual Basic Charge plus past winter season's consumption. The October billing is for the summer season's consumption only.

Applicability:

The General Service Cooking and Heating rate is applicable to services existing prior to April 1, 1976 for separately metered cooking, heating, process heating or car plug service in the same building or an extension of that building where the primary requirement is for General Service.

GENERAL SERVICE**DIESEL - TARIFF NO. 2017-40**

Basic Charge:	\$ 21.91
PLUS	
Energy Charge:	
First 2,000 kWh	@ 8.609 ¢ / kWh
Balance of kWh	@ 42.617 ¢ / kWh
Minimum Bill:	\$ 21.91

The General Service rate applies to all commercial accounts excluding those classed as Government and /or First Nation Education.

GOVERNMENT AND FIRST NATION EDUCATION - TARIFF NO. 2017-41

Basic Charge:	\$ 21.91
PLUS	
Energy Charge:	@ \$2.59382 / kWh
Minimum Bill:	\$ 21.91

The First Nation Education rate is applicable to all Diesel First Nation facilities providing instructional services for members of the Diesel First Nations, including schools, teacherages and student residences.

GENERAL SERVICE**EXCEEDING 200 kVA**

(Utility-Owned transformation)

MEDIUM - TARIFF NO. 2017-30

Basic Charge:	\$ 32.61
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.609 ¢ / kWh
Next 8,500 kWh	@ 5.976 ¢ / kWh
Balance of kWh	@ 3.944 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.10 / kVA

Minimum Bill:
Demand Charge PLUS Basic Charge

Monthly Billing Demand *

The greatest of the following (expressed in kVA):

- measured demand; or
- 25 % of contract demand; or
- 25% of the highest measured demand in the previous 12 months.

Primary metering of multiple Utility-Owned transformation services has an additional 2% added to the kVA for each transformation greater than one. There is also a 1% reduction on recorded demand and energy to account for transformer losses.

Applicability:

The General Service Medium rate is applicable to services where the registered demand exceeds 200 kVA and where the transformation is provided by the Corporation.

Customers who, by nature of their business, do not require service during the months of December, January, and February may qualify for the General Service Short-Term Power rate. For further details see page 16.

GENERAL SERVICE

(Customer-Owned Transformation)

LARGE 750 V TO NOT EXCEEDING 30 KV - TARIFF NO. 2017-60

Energy Charge: @ 3.709 ¢ / kWh
PLUS
* Demand Charge: @ \$ 8.57 / kVA

Minimum Bill: Demand Charge

LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2017-61

Energy Charge: @ 3.448 ¢ / kWh
PLUS
* Demand Charge: @ \$ 7.34 / kVA

Minimum Bill: Demand Charge

LARGE EXCEEDING 100 KV - TARIFF NO. 2017-62

Energy Charge: @ 3.342 ¢ / kWh
PLUS
* Demand Charge: @ \$ 6.53 / kVA

Minimum Bill: Demand Charge

Monthly Billing Demand *

The greatest of the following (expressed in kVA):

- a) measured demand; or
- b) 25 % of contract demand; or
- c) 25% of the highest measured demand in the previous 12 months.

Applicability:

The General Service Large rate is applicable to services where the transformation is provided by the customer and connected directly to the Corporation's distribution, subtransmission or transmission lines.

Customers who, by nature of their business, do not require service during the months of December, January and February may qualify for the General Service Short-Term Power rate.

GENERAL SERVICE LIMITED USE OF BILLING DEMAND RATE OPTION

0 TO NOT EXCEEDING 200 kVA

(Utility-Owned Transformation)

LUBD SMALL SINGLE PHASE - *TARIFF NO. 2017-50*

Basic Charge:	\$ 21.91
PLUS	
Energy Charge:	@ 9.767 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.53 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

LUBD SMALL THREE PHASE - *TARIFF NO. 2017-51*

Basic Charge:	\$ 30.89
PLUS	
Energy Charge:	@ 9.767 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.53 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

Primary metering of multiple Utility-Owned transformation services has an additional 2% added to the kVA for each transformation greater than one. There is also a 1% reduction on recorded demand and energy to account for transformer losses.

Eligibility:

Any customer eligible for service on the General Service Small rate can request billing on this option, except customers who have been billed on this option during the 12 months prior to their request, but subsequently reverted to billing at regular General Service Small rates.

GENERAL SERVICE LIMITED USE OF BILLING DEMAND RATE OPTION

EXCEEDING 200 kVA

(Utility-Owned Transformation)

LUBD MEDIUM - TARIFF NO. 2017-52

Basic Charge:	\$ 32.61
PLUS	
Energy Charge:	@ 9.767 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.53 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge	

Monthly Billing Demand *

The greatest of the following (expressed in kVA):

- a) measured demand; or
- b) 25% of contract demand; or
- c) 25% of the highest measured demand in the previous 12 months.

Primary metering of multiple Utility-Owned transformation services has an additional 2% added to the kVA for each transformation greater than one. There is also a 1% reduction on recorded demand and energy to account for transformer losses.

Eligibility:

Any customer eligible for service on the General Service Medium rate can request billing on this option, except customers who have been billed on this option during the 12 months prior to their request, but subsequently reverted to billing at regular General Service Medium rates.

GENERAL SERVICE LIMITED USE OF BILLING DEMAND RATE OPTION

(Customer-Owned Transformation)

LUBD LARGE 750 V TO NOT EXCEEDING 30 KV - *TARIFF NO. 2017-53*

Energy Charge: @ 8.655 ¢ / kWh
PLUS
* Demand Charge: @ \$ 2.14 / kVA

Minimum Bill: Demand Charge

LUBD LARGE 30 KV TO NOT EXCEEDING 100 KV - *TARIFF NO. 2017-54*

Energy Charge: @ 7.679 ¢ / kWh
PLUS
* Demand Charge: @ \$ 1.84 / kVA

Minimum Bill: Demand Charge

LUBD LARGE EXCEEDING 100 KV - *TARIFF NO. 2017-55*

Energy Charge: @ 7.111 ¢ / kWh
PLUS
* Demand Charge: @ \$ 1.63 / kVA

Minimum Bill: Demand Charge

Monthly Billing Demand *

The greatest of the following (expressed in kVA):

- a) measured demand; or
- b) 25 % of contract demand; or
- c) 25% of the highest measured demand in the previous 12 months.

Eligibility:

Any customer eligible for service on the General Service Large rate can request billing on this option, except customers who have been billed on this option during the 12 months prior to their request, but subsequently reverted to billing at regular General Service Large rates.

GENERAL SERVICE

FLAT RATE WATER HEATING RATES

(NOT available for new services)

TARIFF NO. 2017-29

<u>Element Size</u>	<u>Uncontrolled</u>
500 W	\$ 17.76
600 W	\$ 21.24
750 W	\$ 26.50
1,000 W	\$ 35.63
1,200 W	\$ 42.63
1,500 W	\$ 53.03
2,000 W	\$ 66.48
2,500 W	\$ 79.94
3,000 W	\$ 93.02
3,500 W	\$ 106.10
3,800 W	\$ 117.27
4,000 W	\$ 119.18
4,500 W	\$ 132.27
5,000 W	\$ 145.34
6,000 W	\$ 171.51
6,500 W	\$ 189.89
7,000 W	\$ 197.64
7,500 W	\$ 216.79
8,000 W	\$ 223.80
9,000 W	\$ 249.93
10,000 W	\$ 276.12
10,500 W	\$ 289.25
12,000 W	\$ 328.46
12,500 W	\$ 341.54
13,000 W	\$ 354.63
13,500 W	\$ 367.56
14,500 W	\$ 393.72
15,000 W	\$ 406.92
16,000 W	\$ 433.08
16,500 W	\$ 458.94
18,000 W	\$ 485.46
19,000 W	\$ 526.13
20,000 W	\$ 537.74
23,000 W	\$ 633.78
24,000 W	\$ 660.73
25,000 W	\$ 668.45
3,000 / 1,000 W	\$ 43.41
2,000 / 1,500 W	\$ 54.96
3,000 / 1,500 W	\$ 55.57
4,500 / 1,500 W	\$ 56.92

GENERAL SERVICE

Short-Term Power Rate

The General Service Short-Term application is available throughout the Province of Manitoba except in the Diesel Zone, for customers with services exceeding 200 kVA who, by the nature of their business, do not require service during the months of December, January, and February. Qualifying customers will be billed at, and subject to the conditions of, the appropriate General Service Medium or Large rate.

Services must be disconnected from 00:00 hours, December 1 to 24:00 hours, February 28/29. Customers may use up to a maximum of 1,000 kWh during these months for security purposes only (i.e. alarm system, security lighting) but must notify Manitoba Hydro each year in advance of their operation shutdown.

Service must be taken for a minimum of four months, normally consecutively, during the period March 1 to November 30. Customers will be subject to the same 25% ratchet provisions as applicable to General Service Medium and Large customers, with the exception that no ratchets will apply for the months of December, January or February unless the customer exceeds the 1,000 kWh per month allowable use during those months.

General Service Short-Term is NOT available in conjunction with other services at the same point of delivery.

Unmetered Services

Billed on the General Service Small Rate Tariff No. 2017-20 or 2017-21:

The Unmetered Service rate is applicable:

- a) for non-residential customers where the load is constant and the consumption is consistent and metering is unnecessary or undesirable, specifically including traffic signals, pedestrian walkway lighting, directional traffic signs, hazard flashers, cable television power amplifiers, telephone booths, transit shelters (both heated and unheated), cathodic protection rectifiers (for oil and natural gas pipelines), water gauge wells, highway traffic counters, governmental navigational lights (both nautical and aerial), municipal sirens and Canadian Emergency Measures Organization emergency siren alarms.
- b) for existing railway crossings, sign lighting and window lighting. Customers will be required to provide metering facilities if additional load is connected.
- c) for services such as fairs, summer midways, television production and welding schools where service is required for less than 30 days.
- d) for oil field pumping services connected prior to April 1, 1980 with oil pumping motors of the counter balanced (nodding or piston) type.

GENERAL SERVICE

SHORT-DURATION, INTERMITTENT RATE

TERMS AND CONDITIONS

General

Manitoba Hydro will supply short-duration, intermittent power and energy to customers whose operation requires short periods of high demand combined with overall, very low energy consumption.

The Corporation may regulate timing of the customer's demand requirements so that they do not coincide with other system peak demands.

The Corporation may interrupt the supply at any time, for any length of time and for any reason.

Conditions of Service

Qualifying customers will be billed at, and subject to the conditions of, the appropriate General Service Large or Medium rate with the following provisions:

- a) Measured demand will be reduced by 50% for billing purposes.
- b) Customers will be assessed a monthly energy entitlement based on a 1% load factor (monthly demand x 0.01 x 730) to be billed at the applicable General Service rate.
- c) Energy consumption in excess of the monthly energy entitlement will be billed at a rate equal to 10 times the usual applicable General Service rate.

Customers will be required to enter into a formal contract with Manitoba Hydro. The contract will document the above conditions as well as any others considered necessary due to the nature of a specific service.

Rate Application

The General Service Short-Term, Intermittent rate is available to all customers, except those in the Diesel Rate Zone, to customers qualifying for the General Service Large and General Service Medium rates.

AREA AND ROADWAY LIGHTING

OUTDOOR LIGHTING

LEGEND

I	Incandescent
F	Fluorescent
CF	Compact Fluorescent
LED	Light Emitting Diode
MH	Metal Halide
MV	Mercury Vapour
HPS	High Pressure Sodium Vapour
Q	Quartz
Exclusive Pole:	A corporate-owned pole for the primary purpose of supporting outdoor lighting devices.
Shared Pole:	A pole of the primary purpose of supporting electrical circuits other than outdoor lighting.

AREA AND ROADWAY LIGHTING

(Incandescent and Mercury Vapour are NOT available for new installations)

OUTDOOR LIGHTING RATE - *TARIFF NO. 2017-80*:

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
200 F	-	\$ 11.03
20 CF	-	\$ 2.36
100 I	\$ 5.07	\$ 11.03
150 I	-	\$ 11.03
300 I	-	\$ 15.72
500 I	\$ 13.28	\$ 21.66
400 MH	-	\$ 26.40
175 MV	\$ 9.82	\$ 15.72
250 MV	\$ 11.24	\$ 17.80
400 MV	\$ 15.41	\$ 21.29
70 HPS	\$ 8.44	\$ 13.86
70 HPS 24 hours	-	\$ 15.58
100 HPS	\$ 8.76	\$ 14.62
150 HPS	\$ 10.74	\$ 16.51
250 HPS	\$ 13.68	\$ 19.03
400 HPS	\$ 15.70	\$ 26.40
400 HPS 2/100'	-	\$ 40.81
400 HPS 4/100'	-	\$ 29.97
750 HPS	\$ 24.34	\$ 38.59
1 000 HPS	-	\$ 44.78
1 000 HPS 1/60'	-	\$ 45.81
1 000 HPS 2/100'	-	\$ 54.90
1 000 HPS 4/100'	-	\$ 47.08

Applicability:

The Area and Roadway rate is available throughout the Province of Manitoba and applies to area and roadway lighting installed by agreement for public authorities

AREA AND ROADWAY LIGHTING**OUTDOOR LIGHTING RATE - *TARIFF NO. 2017-80*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
10 LED (1 – 30 W)	-	\$ 2.15
40 LED (> 30 – 50 W)	\$ 7.26	\$ 12.67
40 LED 24 hr (> 30 – 50 W)	-	\$ 14.39
60 LED (> 50 – 80 W)	\$ 7.41	\$ 13.26
90 LED (> 80 – 120 W)	\$ 8.87	\$ 14.64
150 LED (> 120 – 180 W)	\$ 10.56	\$ 15.91
150 LED 2/100' (>120 – 180)	-	\$ 25.75
150 LED 4/100' (>120 – 180)	-	\$ 17.96
250 LED (> 180 – 280 W)	\$ 10.71	\$ 21.41
250 LED 2/100' (> 180 – 280 W)	-	\$ 35.81
250 LED 4/100' (> 180 – 280 W)	-	\$ 24.98

Applicability:

The Area and Roadway rate is available throughout the Province of Manitoba and applies to area and roadway lighting installed by agreement for public authorities.

AREA AND ROADWAY LIGHTING

(NOT available for new installations)

FLOOD LIGHTING RATE - TARIFF NO. 2017-81:

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
100 I	\$ 5.75	-
150 I	\$ 5.75	\$ 11.92
300 I	\$ 10.48	-
500 I	\$ 14.11	\$ 23.10
250 MV	\$ 12.99	\$ 19.01
400 MV	\$ 15.88	\$ 21.32
500 Q	\$ 21.83	\$ 27.66

Applicability:

The Floodlighting rate is applicable for floodlighting services existing prior to April 1, 1976 for lighting of public buildings, structures, monuments, parks, grounds and Department of Highways overhead signs served from the Corporation distribution system where the Corporation owns and maintains the luminaires.

AREA AND ROADWAY LIGHTING**SEASONAL RATE - TARIFF NO. 2017-82:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
70 HPS	\$ 8.44	\$ 13.86
100 HPS	\$ 8.76	\$ 14.62
150 HPS	\$ 10.74	\$ 16.51
250 HPS	\$ 13.68	\$ 19.03
40 LED (> 30 – 50 W)	\$ 7.26	\$ 12.67
60 LED (> 50 – 80 W)	\$ 7.41	\$ 13.26
90 LED (> 80 – 120 W)	\$ 8.87	\$ 14.64
150 LED (> 120 – 180 W)	\$ 10.56	\$ 15.91
250 LED (> 180 – 280 W)	\$ 10.71	\$ 21.41

Applicability:

The Seasonal Area and Roadway Lighting rate is available only outside the City of Winnipeg and is applicable for area and roadway lighting installed by agreement for Municipal Corporation, local government districts, Provincial and Federal Governments.

Lighting will be energized from May 1 to October 31 of each year and will be disconnected from November 1 to April 30.

AREA AND ROADWAY LIGHTING**SENTINEL LIGHTING RATE - *TARIFF NO. 2017-83*:**

Watts	Rate Per Month	
	Flat Rate (Energy and Rental)	Metered (Rental Only)
100 HPS	\$ 10.86	\$ 7.49
150 HPS	\$ 14.39	\$ 10.22
175 MV	\$ 11.21	\$ 7.49
400 MV	\$ 18.55	\$ 10.22
60 LED	\$ 9.51	\$ 7.49
90 LED	\$ 12.52	\$ 10.22

Applicability:

Sentinel lighting is available for security lighting of private or public areas on a dusk-to-dawn basis throughout the Province of Manitoba. Rental units are intended for continuous year-round service and are not provided on a temporary basis.

Sentinel lighting is available for rental as follows:

- a) on a flat rate basis when connected directly to the Manitoba Hydro distribution system; or
- b) exclusive of electricity if connected to the customer's metered circuits.

AREA AND ROADWAY LIGHTING

DECORATIVE LIGHTING - *TARIFF NO. 2017-85*

Connected load @ \$0.967/kW per night of scheduled use:

Minimum Monthly Bill: \$ 19.76

Applicability:

The Decorative Lighting rate is applicable for new and existing unmetered municipally-owned decorative lights on frames or modules mounted on roadway lighting poles or ornamental standards and/or Christmas trees. The customer is required to advise the Corporation prior to any change in the nights contracted for operation and/or the connected lighting kilowatts.

BILL COMPARISONS

AUGUST 1, 2016 RATES

VS

AUGUST 1, 2017 RATES

IN ACCORDANCE WITH

BOARD ORDER 80/17



Bill Comparison

Residential

Forecast Customers: 485,421

kWh	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
250	\$27.65	\$28.57	\$0.92	3.33%
750	\$67.30	\$69.55	\$2.25	3.34%
1 000	\$87.12	\$90.04	\$2.92	3.35%
2 000	\$166.42	\$172.00	\$5.58	3.35%
5 000	\$404.32	\$417.88	\$13.56	3.35%

Residential Seasonal

Forecast Customers: 19,717

kWh	August 1, 2016 \$ / Summer	August 1, 2017 \$ / Summer	Difference in \$ / Summer	Percent Change
250	\$113.67	\$117.45	\$3.78	3.33%
750	\$153.32	\$158.43	\$5.11	3.33%
1 000	\$173.14	\$178.92	\$5.78	3.34%
2 000	\$252.44	\$260.88	\$8.44	3.34%
5 000	\$490.34	\$506.76	\$16.42	3.35%

Residential Diesel

Forecast Customers: 598

kWh	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
250	\$27.65	\$28.57	\$0.92	3.33%
750	\$67.30	\$69.55	\$2.25	3.34%
1 000	\$87.12	\$90.04	\$2.92	3.35%
2 000	\$166.42	\$172.00	\$5.58	3.35%
5 000	\$404.32	\$417.88	\$13.56	3.35%

Bill Comparison

General Service Small < 50 kVA

Forecast Customers: 53,018

kWh	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
750	\$83.67	\$86.48	\$2.81	3.36%
2 000	\$187.78	\$194.09	\$6.31	3.36%
5 000	\$437.65	\$452.36	\$14.71	3.36%
10 000	\$854.10	\$882.81	\$28.71	3.36%

General Service Small 51 kVA

Forecast Customers: 12,820

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$814.92	\$842.32	\$27.40	3.36%
50%	\$1,396.15	\$1,443.05	\$46.90	3.36%
75%	\$1,768.74	\$1,828.14	\$59.40	3.36%
100%	\$2,123.90	\$2,195.21	\$71.31	3.36%

General Service Small 100 kVA

Forecast Customers: 12,820

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$1,853.78	\$1,916.14	\$62.36	3.36%
50%	\$2,574.77	\$2,661.32	\$86.55	3.36%
75%	\$3,271.19	\$3,381.10	\$109.91	3.36%
100%	\$3,967.61	\$4,100.88	\$133.27	3.36%

Bill Comparison

General Service Seasonal

Forecast Customers: 909

kWh	August 1, 2016 \$ / Summer	August 1, 2017 \$ / Summer	Difference in \$ / Summer	Percent Change
750	\$316.87	\$327.49	\$10.62	3.35%
2 000	\$420.98	\$435.10	\$14.12	3.35%
5 000	\$670.85	\$693.37	\$22.52	3.36%
10 000	\$1,087.30	\$1,123.82	\$36.52	3.36%

General Service Diesel

Forecast Customers: 120

kWh	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
750	\$83.67	\$86.48	\$2.81	3.36%
2 000	\$187.78	\$194.09	\$6.31	3.36%
5 000	\$1,466.29	\$1,472.60	\$6.31	0.43%
10 000	\$3,597.14	\$3,603.45	\$6.31	0.18%

General Service Government and First Nation Education

Forecast Customers: 67

kWh	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
750	\$1,966.57	\$1,967.28	\$0.71	0.04%
2 000	\$5,208.84	\$5,210.00	\$1.16	0.02%
5 000	\$12,990.30	\$12,991.00	\$0.70	0.01%
10 000	\$25,959.40	\$25,960.00	\$0.60	0.00%

Bill Comparison

General Service Medium 500 kVA

Forecast Customers: 2,106

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$8,574	\$8,862	\$288	3.36%
50%	\$12,056	\$12,461	\$405	3.36%
75%	\$15,538	\$16,060	\$522	3.36%
100%	\$19,020	\$19,659	\$639	3.36%

General Service Medium 1 000 kVA

Forecast Customers: 2,106

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$16,941	\$17,511	\$570	3.36%
50%	\$23,905	\$24,709	\$804	3.36%
75%	\$30,869	\$31,907	\$1,038	3.36%
100%	\$37,833	\$39,105	\$1,272	3.36%

Bill Comparison

General Service Large - 750 V to 30 kV 5 000 kVA

Forecast Customers: 319

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$74,200	\$76,695	\$2,495	3.36%
50%	\$106,949	\$110,539	\$3,590	3.36%
75%	\$139,699	\$144,384	\$4,685	3.35%
100%	\$172,449	\$178,229	\$5,780	3.35%

General Service Large - 30 kV to 100 kV 10 000 kVA

Forecast Customers: 40

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$131,882	\$136,326	\$4,444	3.37%
50%	\$192,764	\$199,252	\$6,488	3.37%
75%	\$253,646	\$262,178	\$8,532	3.36%
100%	\$314,528	\$325,104	\$10,576	3.36%

General Service Large - Over 100 kV 50 000 kVA

Forecast Customers: 13

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$611,011	\$631,458	\$20,447	3.35%
50%	\$906,023	\$936,415	\$30,392	3.35%
75%	\$1,201,034	\$1,241,373	\$40,339	3.36%
100%	\$1,496,045	\$1,546,330	\$50,285	3.36%

Bill Comparison

Limited Use Billing Demand - General Service Small 100 kVA

Forecast Customers: 46

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$496.96	\$513.89	\$16.93	3.41%
10%	\$842.03	\$870.38	\$28.35	3.37%
15%	\$1,187.10	\$1,226.88	\$39.78	3.35%
20%	\$1,532.17	\$1,583.37	\$51.20	3.34%

Limited Use Billing Demand - General Service Medium 500 kVA

Forecast Customers: 19

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$2,854.91	\$2,953.59	\$98.68	3.46%
10%	\$4,580.26	\$4,736.07	\$155.81	3.40%
15%	\$6,305.62	\$6,518.54	\$212.92	3.38%
20%	\$8,030.97	\$8,301.02	\$270.05	3.36%

Bill Comparison

Limited Use Billing Demand - General Service Large - 750 V to 30 kV 5 000 kVA

Forecast Customers: 2

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$25,633	\$26,495	\$862	3.36%
10%	\$40,915	\$42,291	\$1,376	3.36%
15%	\$56,198	\$58,086	\$1,888	3.36%
20%	\$71,480	\$73,882	\$2,402	3.36%

Limited Use Billing Demand - General Service Large - 30 kV to 100 kV 10 000 kVA

Forecast Customers: 0

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$44,912	\$46,428	\$1,516	3.38%
10%	\$72,024	\$74,457	\$2,433	3.38%
15%	\$99,137	\$102,485	\$3,348	3.38%
20%	\$126,249	\$130,513	\$4,264	3.38%

Limited Use Billing Demand - General Service Large - Over 100 kV 50 000 kVA

Forecast Customers: 3

Load Factor	August 1, 2016 \$ / Month	August 1, 2017 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$204,542	\$211,276	\$6,734	3.29%
10%	\$330,084	\$341,052	\$10,968	3.32%
15%	\$455,625	\$470,827	\$15,202	3.34%
20%	\$581,167	\$600,603	\$19,436	3.34%

PROOF OF REVENUE**August 1, 2016 Rates vs August 1, 2017 Rates
Annualized for year ended March 31, 2018**

	Calculated Revenue Current Rate	Calculated Revenue Aug 1, 2017 Rate	Diff. in Revenue Dollars	Diff. in Revenue Percent
Basic	\$660,948,098	\$683,105,015	\$22,156,917	3.35%
Diesel	\$748,964	\$774,070	\$25,106	3.35%
Seasonal	\$8,863,561	\$9,160,331	\$296,770	3.35%
FRWH	\$1,081,149	\$1,117,440	\$36,291	3.36%
Residential	\$671,641,772	\$694,156,856	\$22,515,084	3.35%
Small Non-Demand	\$153,306,084	\$158,457,245	\$5,151,161	3.36%
Small Demand	\$163,642,303	\$169,142,728	\$5,500,425	3.36%
Seasonal	\$685,949	\$708,980	\$23,031	3.36%
FRWH	\$448,802	\$463,878	\$15,076	3.36%
GS Small	\$318,083,138	\$328,772,831	\$10,689,693	3.36%
GS Medium	\$213,813,617	\$221,004,586	\$7,190,970	3.36%
Large 750 V-30 kV	\$100,529,244	\$103,902,594	\$3,373,350	3.36%
Large 30 - 100 kV	\$78,796,698	\$81,447,608	\$2,650,910	3.36%
Large > 100 kV	\$195,827,773	\$202,406,015	\$6,578,242	3.36%
GS Large	\$375,153,715	\$387,756,217	\$12,602,501	3.36%
Diesel GS & Gov.	\$7,192,116	\$7,197,515	\$5,399	0.08%
SEP	\$841,877	\$841,877	\$0	0.00%
General Service	\$915,084,462	\$945,573,025	\$30,488,563	3.33%
A & R Lighting	\$24,878,989	\$25,713,878	\$834,889	3.36%
DSM Reduction	(\$31,461,356)	(\$32,518,090)	(\$1,056,734)	3.36%
Misc. Rev & Adjs	\$7,358,620	\$7,608,806	\$250,186	3.41%
DOMESTIC REVENUE	\$1,587,502,487	\$1,640,534,475	\$53,031,988	3.34%
Outlook Adjustment	(\$18,409,002)	(\$19,028,119)	(\$619,117)	3.36%
ADJ. DOMESTIC REV.	\$1,569,093,485	\$1,621,506,356	\$52,412,871	3.34%

PROOF OF REVENUE

**August 1, 2016 Rates vs August 1, 2017 Rates
Impact on Fiscal Year ended March 31, 2018**

	Calculated Revenue Current Rate	Calculated Revenue Aug 1, 2017 Rate	Diff. in Revenue Dollars	Diff. in Revenue Percent
Basic	\$660,948,098	\$677,101,507	\$16,153,410	2.4%
Diesel	\$748,964	\$766,160	\$17,196	2.3%
Seasonal	\$8,863,561	\$8,990,673	\$127,113	1.4%
FRWH	\$1,081,149	\$1,105,137	\$23,987	2.2%
Residential	\$671,641,772	\$687,963,477	\$16,321,705	2.4%
Small Non-Demand	\$153,306,084	\$156,904,866	\$3,598,782	2.45%
Small Demand	\$163,642,303	\$167,476,201	\$3,833,898	2.3%
Seasonal	\$685,949	\$698,449	\$12,500	1.8%
FRWH	\$448,802	\$458,766	\$9,964	2.2%
GS Small	\$318,083,138	\$325,538,281	\$7,455,144	2.3%
GS Medium	\$213,813,617	\$218,711,848	\$4,898,231	2.3%
Large 750 V-30 kV	\$100,529,244	\$102,805,138	\$2,275,893	2.3%
Large 30 - 100 kV	\$78,796,698	\$80,615,084	\$1,818,386	2.3%
Large > 100 kV	\$195,827,773	\$200,253,486	\$4,425,713	2.3%
GS Large	\$375,153,715	\$383,673,708	\$8,519,993	2.3%
Diesel GS & Gov.	\$7,192,116	\$7,195,763	\$3,647	0.1%
SEP	\$841,877	\$841,877	\$0	0.0%
General Service	\$915,084,462	\$935,961,477	\$20,877,014	2.3%
A & R Lighting	\$24,878,989	\$25,435,656	\$556,667	2.2%
DSM Reduction	(\$31,461,356)	(\$32,182,686)	(\$721,330)	2.3%
Misc. Rev & Adjs	\$7,358,620	\$8,047,533	\$688,914	9.4%
DOMESTIC REVENUE	\$1,587,502,487	\$1,625,225,457	\$37,722,969	2.4%
Outlook Adjustment	(\$18,409,002)	(\$18,782,098)	(\$373,097)	2.0%
ADJ. DOMESTIC REV.	\$1,569,093,485	\$1,606,443,358	\$37,349,873	2.4%