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May 22, 2018

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

Dear Mr. Christle:

**RE: 2017/18 & 2018/19 General Rate Application – Order 59/18 Compliance Filing  
Additional Scenarios requested by the PUB**

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On May 1, 2018, the Public Utilities Board ("PUB") issued Order 59/18 with respect to Manitoba Hydro's 2017/18 & 2018/19 General Rate Application. Order 59/18 finalizes the previously approved interim rate increase of 3.36% effective August 1, 2016 and the 3.36% increase effective August 1, 2017, and approves an average revenue increase of 3.6% to be implemented effective June 1, 2018.

On May 15, 2018, pursuant to Order 59/18, Manitoba Hydro provided rate schedules, proof of revenue statements and bill impact schedules reflective of changes to class revenues regarding the differentiation of rates to account for:

- the creation of a First Nation On Reserve Residential customer class, with no increase from August 1, 2017 rates;
- the application of no rate increase from August 1, 2017 rates to Residential Diesel class customers, and;
- the adjustment of class revenues to commence migration of customer classes toward the Zone of Reasonableness of 95% to 105% over a ten year period.

The Rate Schedules filed on May 15, 2018 incorporated the newly created First Nations On-Reserve Residential Class, with rates for this class corresponding to the Residential Class rates in effect August 1, 2017 with no rate increase for June 1, 2018. These rate schedules also reflected class-specific increases that are differentiated on the results of Manitoba Hydro's Cost of Service Study.

To achieve the overall average revenue increase of 3.6%, \$1.7 million of foregone revenue related to the creation of the First Nations On-Reserve class and the rate freeze to Residential Diesel customers must be collected from all other customer classes. This resulted in an average revenue increase to all other customers of 3.73%.

By email dated May 18, 2018, PUB Counsel requested additional Compliance Filing Scenarios be prepared by Manitoba Hydro and filed with the PUB by end of business Tuesday May 22, 2018. As

*Available in accessible formats upon request*

requested, rate schedules, proof of revenue statements, and bill impacts schedules for the following scenarios are attached:

- Scenario 1 – as filed by Manitoba Hydro as part of its May 15, 2018 Compliance Filing;
- Scenario 2 – as filed by Manitoba Hydro on May 15, 2018 but including the adjustment to the GSS and GSM classes to assume a 5% constraint rather than the 2% bill impact constraint as indicated in footnote 1 on page 9 of 9 of the Bill Comparisons filed May 15, 2018;
- Scenario 3 – assumes that the \$1.7 million of foregone revenue related to the creation of the First Nations On-Reserve class and the rate freeze to Residential Diesel customers is not recovered from all other customer classes; and,
- Scenario 4 assume Scenario 3 but includes the adjustment to the GSS and GSM classes to assume a 5% constraint rather than the 2% bill impact constraint.

A summary of Manitoba Hydro's domestic revenues and general revenue increase under each of these scenarios is also attached.

As indicated in Directive 4 of Order 59/18, the PUB has approved a 3.6% average revenue increase to be recovered in Manitoba Hydro consumers' rates effective June 1, 2018<sup>1</sup>. While Manitoba Hydro is providing the additional Compliance Filing Scenarios requested by PUB Counsel, it is of the view that only Scenarios 1 and 2, which allow for Manitoba Hydro to recover an overall average revenue increase of 3.6%, are in compliance with Directive 4 of Order 59/18. Scenarios 3 and 4 result in an overall average revenue to Manitoba Hydro of only 3.5%, and therefore, these scenarios as requested by PUB Counsel are not in compliance with Directive 4 of Order 59/18.

Manitoba Hydro is providing these additional Compliance Filing Scenarios as requested by PUB Counsel without prejudicing its right to Review and Vary or appeal any portion of Order 59/18.

If you have any questions or comments with respect to this submission, please contact the writer at 204-360-3633 or Greg Barnlund at 204-360-5243.

Yours truly,

**MANITOBA HYDRO LEGAL SERVICES DIVISION**

Per:



**ODETTE FERNANDES**  
Barrister & Solicitor

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<sup>1</sup> Directive 4 of Order 59/18, page 266.

	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 1	Scenario 2	Scenario 3	Scenario 4
	As Filed by MH May 15, 2018	As Filed by MH May 15, 2018 with removal of 2% Bill Impact Limitation	Without Recovery of FNOR Adj	Without Recovery of FNOR Adj and removal of 2% Bill Impact Limitation	As Filed by MH May 15, 2018	As Filed by MH May 15, 2018 with removal of 2% Bill Impact Limitation	Without Recovery of FNOR Adj	Without Recovery of FNOR Adj and removal of 2% Bill Impact Limitation
	Calculated Revenue Jun 1, 2018 Rates	Calculated Revenue Jun 1, 2018 Rates	Calculated Revenue Jun 1, 2018 Rates	Calculated Revenue Jun 1, 2018 Rates	Diff. in Revenue Percent	Diff. in Revenue Percent	Diff. in Revenue Percent	Diff. in Revenue Percent
Basic	\$ 657,623,571	\$ 657,623,571	\$ 656,922,976	\$ 656,922,976	4.04%	4.04%	3.93%	3.93%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ 45,596,015	\$ 45,596,015	0.00%	0.00%	0.00%	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ 789,348	\$ 789,348	0.00%	0.00%	0.00%	0.00%
Seasonal	\$ 8,136,856	\$ 8,136,856	\$ 8,128,009	\$ 8,128,009	4.05%	4.05%	3.94%	3.94%
FRWH	\$ 1,119,641	\$ 1,119,641	\$ 1,118,573	\$ 1,118,573	4.04%	4.04%	3.94%	3.94%
<b>Residential</b>	<b>\$ 713,265,432</b>	<b>\$ 713,265,432</b>	<b>\$ 712,554,920</b>	<b>\$ 712,554,920</b>	<b>3.77%</b>	<b>3.77%</b>	<b>3.67%</b>	<b>3.67%</b>
Small Non-Demand	\$ 163,920,745	\$ 163,845,912	\$ 163,666,020	\$ 163,680,640	2.76%	2.72%	2.60%	2.61%
Small Demand	\$ 181,011,442	\$ 181,323,358	\$ 180,852,737	\$ 181,117,928	3.86%	4.04%	3.77%	3.92%
Seasonal	\$ 720,414	\$ 719,317	\$ 719,202	\$ 718,719	0.79%	0.64%	0.62%	0.56%
FRWH	\$ 457,076	\$ 457,076	\$ 456,621	\$ 456,621	2.72%	2.72%	2.61%	2.61%
<b>GS Small</b>	<b>\$ 346,109,678</b>	<b>\$ 346,345,664</b>	<b>\$ 345,694,580</b>	<b>\$ 345,973,908</b>	<b>3.33%</b>	<b>3.40%</b>	<b>3.21%</b>	<b>3.29%</b>
<b>GS Medium</b>	<b>\$ 216,229,639</b>	<b>\$ 216,037,173</b>	<b>\$ 216,183,933</b>	<b>\$ 215,817,082</b>	<b>4.13%</b>	<b>4.04%</b>	<b>4.11%</b>	<b>3.93%</b>
Large 750 V - 30 kV	\$ 109,779,954	\$ 109,779,954	\$ 109,662,848	\$ 109,662,848	4.06%	4.06%	3.95%	3.95%
Large 30 - 100 kV	\$ 87,423,527	\$ 87,423,527	\$ 87,319,876	\$ 87,319,876	2.97%	2.97%	2.85%	2.85%
Large > 100 kV	\$ 194,513,047	\$ 194,513,047	\$ 194,313,536	\$ 194,313,536	3.03%	3.03%	2.93%	2.93%
<b>GS Large</b>	<b>\$ 391,716,528</b>	<b>\$ 391,716,528</b>	<b>\$ 391,296,260</b>	<b>\$ 391,296,260</b>	<b>3.30%</b>	<b>3.30%</b>	<b>3.19%</b>	<b>3.19%</b>
Diesel GS & Gov.	\$ 7,572,575	\$ 7,572,314	\$ 7,572,292	\$ 7,572,167	0.03%	0.02%	0.02%	0.02%
SEP	\$ 859,088	\$ 859,088	\$ 859,088	\$ 859,088	0.00%	0.00%	0.00%	0.00%
<b>General Service</b>	<b>\$ 962,487,509</b>	<b>\$ 962,530,767</b>	<b>\$ 961,614,523</b>	<b>\$ 961,518,506</b>	<b>3.47%</b>	<b>3.47%</b>	<b>3.37%</b>	<b>3.36%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 26,568,716</b>	<b>\$ 26,568,716</b>	<b>\$ 26,541,135</b>	<b>\$ 26,541,135</b>	<b>4.04%</b>	<b>4.04%</b>	<b>3.93%</b>	<b>3.93%</b>
DSM Reduction	\$ (34,372,909)	\$ (34,372,909)	\$ (34,337,304)	\$ (34,337,304)	3.73%	3.73%	3.62%	3.62%
Misc Revenue & Adjs	\$ 7,392,249	\$ 7,392,249	\$ 7,392,249	\$ 7,392,249	3.60%	3.60%	3.60%	3.60%
<b>Domestic Revenue</b>	<b>\$ 1,675,340,997</b>	<b>\$ 1,675,384,256</b>	<b>\$ 1,673,757,154</b>	<b>\$ 1,673,669,506</b>	<b>3.60%</b>	<b>3.60%</b>	<b>3.50%</b>	<b>3.50%</b>

**RATE SCHEDULES**

**EFFECTIVE**

**JUNE 1, 2018**

**IN ACCORDANCE WITH**

**BOARD ORDER 59/18**



**TABLE OF CONTENTS**

	<u>Page</u>
<b>DEFINITIONS .....</b>	<b>1</b>
<b>RESIDENTIAL RATES .....</b>	<b>2</b>
Residential.....	2
Seasonal .....	3
Diesel.....	3
On-Reserve.....	4
Flat Rate Water Heating.....	5
<b>GENERAL SERVICE .....</b>	<b>6</b>
Small.....	6
Seasonal .....	8
Cooking and Heating Standard .....	9
Cooking and Heating Seasonal.....	9
Diesel.....	10
Government and First Nation Education .....	10
Medium.....	11
Large.....	12
Limited Use of Billing Demand.....	13
Flat Rate Water Heating.....	16
Short-Term Power Rate .....	17
Unmetered Services.....	17
Short-Duration, Intermittent Rate .....	18
<b>AREA AND ROADWAY LIGHTING .....</b>	<b>19</b>

## **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. 2018-01**

Basic Charge:	\$ 8.41
PLUS	
Energy Charge:	
All kWh	@ 8.527 ¢ / kWh
Minimum Bill:	\$ 8.41

Services over 200 amps will have \$8.41 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. 2018-02**

Annual Basic Charge:	\$ 100.92
PLUS	
Energy Charge:	
All kWh	@ 8.527 ¢ / kWh
Minimum Annual Bill:	\$ 100.92

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. 2018-03**

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.



**ON-RESERVE - TARIFF NO. 2018-04**

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 applies to all residential services on First Nations Reserve land.

**RESIDENTIAL**

**FLAT RATE WATER HEATING RATES**

(NOT available for new services)

	<b><u>TARIFF NO. 2018-09</u></b>	<b><u>TARIFF NO. 2018-10</u></b>
<b><u>Element Size</u></b>	<b><u>Controlled</u></b>	<b><u>Uncontrolled</u></b>
500 W	\$ 13.13	\$ 17.35
600 W	\$ 15.56	\$ 20.65
750 W	\$ 19.10	\$ 25.47
900 W	\$ 22.71	\$ 30.26
1,000 W	\$ 25.04	\$ 33.51
1,200 W	\$ 28.43	\$ 37.60
1,250 W	\$ 29.28	\$ 38.68
1,500 W	\$ 33.51	\$ 43.63
2,000 W	\$ 40.32	\$ 52.61
2,500 W	\$ 45.40	\$ 58.95
3,000 W	\$ 49.69	\$ 65.36
3,500 W	\$ 55.86	\$ 72.79
4,000 W	\$ 61.93	\$ 80.24
4,500 W	\$ 69.16	\$ 89.09
6,000 W	\$ -	\$ 115.41
1,500 / 1,000 W	\$ 26.06	\$ 34.85
2,000 / 1,000 W	\$ 26.74	\$ 35.72
3,000 / 1,000 W	\$ 27.31	\$ 36.99
2,000 / 1,500 W	\$ 36.28	\$ 48.50
3,000 / 1,500 W	\$ 37.13	\$ 49.41
4,500 / 1,500 W	\$ 38.40	\$ 51.38
3,000 / 2,000 W	\$ 44.59	\$ 59.78

**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. 2018-20**

Basic Charge:	\$ 21.07
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.896 ¢ / kWh
Next 8,500 kWh	@ 6.320 ¢ / kWh
Balance of kWh	@ 4.108 ¢ / kWh
	PLUS
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.52 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge	

**SMALL THREE PHASE - TARIFF NO. 2018-21**

Basic Charge:	\$ 29.70
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.896 ¢ / kWh
Next 8,500 kWh	@ 6.320 ¢ / kWh
Balance of kWh	@ 4.108 ¢ / kWh
	PLUS
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.52 / 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 @ 6.320 ¢ / 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. 2018-22**

Annual Basic Charge:	\$ 252.84
PLUS	
First 66,000 kWh	@ 8.896 ¢ / kWh
Balance of kWh	@ 6.320 ¢ / kWh
Minimum Annual Bill:	\$ 252.84

**SEASONAL THREE PHASE - TARIFF NO. 2018-27**

Annual Basic Charge:	\$ 356.40
PLUS	
First 66,000 kWh	@ 8.896 ¢ / kWh
Balance of kWh	@ 6.320 ¢ / kWh
Minimum Annual Bill:	\$ 356.40

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. 2018-23**

Basic Charge:	\$ 21.07
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.896 ¢ / kWh
Balance of kWh	@ 6.320 ¢ / kWh
Minimum Bill:	\$ 21.07

**COOKING AND HEATING SEASONAL - TARIFF NO. 2018-24**

Annual Basic Charge:	\$ 252.84
PLUS	
Energy Charge:	
First 66,000 kWh	@ 8.896 ¢ / kWh
Balance of kWh	@ 6.320 ¢ / kWh
Minimum Annual Bill:	\$ 252.84

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. 2018-40**

Basic Charge:	\$ 21.07
PLUS	
Energy Charge:	
First 2,000 kWh	@ 8.896 ¢ / kWh
Balance of kWh	@ 42.617 ¢ / kWh
Minimum Bill:	\$ 21.07

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. 2018-41**

Basic Charge:	\$ 21.07
PLUS	
Energy Charge:	@ \$2.59382 / kWh
Minimum Bill:	\$ 21.07

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. 2018-30**

Basic Charge:	\$ 31.35
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.896 ¢ / kWh
Next 8,500 kWh	@ 6.320 ¢ / kWh
Balance of kWh	@ 4.108 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.52 / 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.

**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 17.



**GENERAL SERVICE**

(Customer-Owned Transformation)

**LARGE 750 V TO NOT EXCEEDING 30 KV - TARIFF NO. 2018-60**

Energy Charge: @ 3.859 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 8.92 / kVA  
  
Minimum Bill: Demand Charge

**LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2018-61**

Energy Charge: @ 3.550 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 7.56 / kVA  
  
Minimum Bill: Demand Charge

**LARGE EXCEEDING 100 KV - TARIFF NO. 2018-62**

Energy Charge: @ 3.443 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 6.73 / 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. 2018-50**

Basic Charge:	\$ 21.07
PLUS	
Energy Charge:	@ 10.177 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

**LUBD SMALL THREE PHASE - TARIFF NO. 2018-51**

Basic Charge:	\$ 29.70
PLUS	
Energy Charge:	@ 10.177 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / 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. 2018-52**

Basic Charge:	\$ 31.35
PLUS	
Energy Charge:	@ 10.177 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / 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.

**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. 2018-53**

Energy Charge: @ 9.005 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 2.23 / kVA  
  
Minimum Bill: Demand Charge

**LUBD LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2018-54**

Energy Charge: @ 7.912 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 1.89 / kVA  
  
Minimum Bill: Demand Charge

**LUBD LARGE EXCEEDING 100 KV - TARIFF NO. 2018-55**

Energy Charge: @ 7.326 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 1.68 / 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. 2018-29**

<u>Element Size</u>	<u>Uncontrolled</u>
500 W	\$ 18.24
600 W	\$ 21.82
750 W	\$ 27.22
1,000 W	\$ 36.60
1,200 W	\$ 43.79
1,500 W	\$ 54.47
2,000 W	\$ 68.29
2,500 W	\$ 82.11
3,000 W	\$ 95.55
3,500 W	\$ 108.99
3,800 W	\$ 120.46
4,000 W	\$ 122.42
4,500 W	\$ 135.87
5,000 W	\$ 149.29
6,000 W	\$ 176.18
6,500 W	\$ 195.06
7,000 W	\$ 203.02
7,500 W	\$ 222.69
8,000 W	\$ 229.89
9,000 W	\$ 256.73
10,000 W	\$ 283.63
10,500 W	\$ 297.12
12,000 W	\$ 337.39
12,500 W	\$ 350.83
13,000 W	\$ 364.28
13,500 W	\$ 377.56
14,500 W	\$ 404.43
15,000 W	\$ 417.99
16,000 W	\$ 444.86
16,500 W	\$ 471.42
18,000 W	\$ 498.66
19,000 W	\$ 540.44
20,000 W	\$ 552.37
23,000 W	\$ 651.02
24,000 W	\$ 678.70
25,000 W	\$ 686.83
3,000 / 1,000 W	\$ 44.59
2,000 / 1,500 W	\$ 56.45
3,000 / 1,500 W	\$ 57.08
4,500 / 1,500 W	\$ 58.47

## **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. 2018-20 or 2018-21:**

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. 2018-80:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
200 F	-	\$ 11.48
20 CF	-	\$ 2.46
100 I	\$ 5.27	\$ 11.48
150 I	-	\$ 11.48
300 I	-	\$ 16.35
500 I	\$ 13.82	\$ 22.53
400 MH	-	\$ 27.47
175 MV	\$ 10.22	\$ 16.35
250 MV	\$ 11.69	\$ 18.52
400 MV	\$ 16.03	\$ 22.15
70 HPS	\$ 8.78	\$ 14.42
70 HPS 24 hours	-	\$ 16.21
100 HPS	\$ 9.11	\$ 15.21
150 HPS	\$ 11.17	\$ 17.18
250 HPS	\$ 14.23	\$ 19.80
400 HPS	\$ 16.33	\$ 27.47
400 HPS 2/100'	-	\$ 42.46
400 HPS 4/100'	-	\$ 31.18
750 HPS	\$ 25.32	\$ 40.15
1 000 HPS	-	\$ 46.59
1 000 HPS 1/60'	-	\$ 47.66
1 000 HPS 2/100'	-	\$ 57.12
1 000 HPS 4/100'	-	\$ 48.98

**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**

**OUTDOOR LIGHTING RATE - *TARIFF NO. 2018-80*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
10 LED (1 – 30 W)	-	\$ 2.24
40 LED (> 30 – 50 W)	\$ 7.55	\$ 13.18
40 LED 24 hr (> 30 – 50 W)	-	\$ 14.97
60 LED (> 50 – 80 W)	\$ 7.71	\$ 13.80
90 LED (> 80 – 120 W)	\$ 9.23	\$ 15.23
150 LED (> 120 – 180 W)	\$ 10.99	\$ 16.55
150 LED 2/100' (>120 – 180)	-	\$ 26.79
150 LED 4/100' (>120 – 180)	-	\$ 18.69
250 LED (> 180 – 280 W)	\$ 11.14	\$ 22.27
250 LED 2/100' (> 180 – 280 W)	-	\$ 37.26
250 LED 4/100' (> 180 – 280 W)	-	\$ 25.99

**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. 2018-81*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
100 I	\$ 5.98	-
150 I	\$ 5.98	\$ 12.40
300 I	\$ 10.90	-
500 I	\$ 14.68	\$ 24.03
250 MV	\$ 13.51	\$ 19.78
400 MV	\$ 16.52	\$ 22.18
500 Q	\$ 22.71	\$ 28.78

**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. 2018-82*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
70 HPS	\$ 8.78	\$ 14.42
100 HPS	\$ 9.11	\$ 15.21
150 HPS	\$ 11.17	\$ 17.18
250 HPS	\$ 14.23	\$ 19.80
<hr/>		
40 LED (> 30 – 50 W)	\$ 7.55	\$ 13.18
60 LED (> 50 – 80 W)	\$ 7.71	\$ 13.80
90 LED (> 80 – 120 W)	\$ 9.23	\$ 15.23
150 LED (> 120 – 180 W)	\$ 10.99	\$ 16.55
250 LED (> 180 – 280 W)	\$ 11.14	\$ 22.27

**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. 2018-83*:**

Watts	Rate Per Month	
	Flat Rate (Energy and Rental)	Metered (Rental Only)
100 HPS	\$ 11.30	\$ 7.79
150 HPS	\$ 14.97	\$ 10.63
175 MV	\$ 11.66	\$ 7.79
400 MV	\$ 19.30	\$ 10.63
60 LED	\$ 9.89	\$ 7.79
90 LED	\$ 13.03	\$ 10.63

**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. 2018-85***

Connected load @ \$1.006/kW per night of scheduled use:

Minimum Monthly Bill: \$ 20.56

**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.

**PROOF OF REVENUE**

**August 1, 2017 Rates vs June 1, 2018 Rates  
Impact on Fiscal Year ended March 31, 2019  
Scenario 1**

	Calculated Revenue August 1, 2017 Rates	Calculated Revenue Jun 1, 2018 Rates	Diff. in Revenue Dollars	Diff. in Revenue Percent
Basic	\$ 632,075,558	\$ 653,610,947	\$ 21,535,389	3.41%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ (0)	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ (0)	0.00%
Seasonal	\$ 7,820,199	\$ 7,959,528	\$ 139,330	1.78%
FRWH	\$ 1,076,172	\$ 1,112,242	\$ 36,070	3.35%
<b>Residential</b>	<b>\$ 687,357,292</b>	<b>\$ 709,068,080</b>	<b>\$ 21,710,789</b>	<b>3.16%</b>
Small Non-Demand	\$ 159,511,605	\$ 163,206,996	\$ 3,695,391	2.32%
Small Demand	\$ 174,278,918	\$ 179,954,150	\$ 5,675,232	3.26%
Seasonal	\$ 714,745	\$ 721,887	\$ 7,142	1.00%
FRWH	\$ 444,987	\$ 455,062	\$ 10,074	2.26%
<b>GS Small</b>	<b>\$ 334,950,255</b>	<b>\$ 344,338,094</b>	<b>\$ 9,387,840</b>	<b>2.80%</b>
<b>GS Medium</b>	<b>\$ 207,653,123</b>	<b>\$ 214,830,511</b>	<b>\$ 7,177,388</b>	<b>3.46%</b>
Large 750 V - 30 kV	\$ 105,498,365	\$ 109,088,953	\$ 3,590,588	3.40%
Large 30 - 100 kV	\$ 84,901,975	\$ 87,034,645	\$ 2,132,671	2.51%
Large > 100 kV	\$ 188,788,270	\$ 193,579,743	\$ 4,791,473	2.54%
<b>GS Large</b>	<b>\$ 379,188,610</b>	<b>\$ 389,703,341</b>	<b>\$ 10,514,731</b>	<b>2.77%</b>
Diesel GS & Gov.	\$ 7,570,475	\$ 7,572,198	\$ 1,723	0.02%
SEP	\$ 859,088	\$ 859,088	\$ -	0.00%
<b>General Service</b>	<b>\$ 930,221,552</b>	<b>\$ 957,303,233</b>	<b>\$ 27,081,681</b>	<b>2.91%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 25,537,757</b>	<b>\$ 26,396,944</b>	<b>\$ 859,187</b>	<b>3.36%</b>
DSM Reduction	\$ (33,137,511)	\$ (34,173,965)	\$ (1,036,454)	3.13%
Misc Revenue & Adjs	\$ 7,135,375	\$ 8,073,871	\$ 938,495	13.15%
<b>Domestic Revenue</b>	<b>\$ 1,617,114,464</b>	<b>\$ 1,666,668,163</b>	<b>\$ 49,553,699</b>	<b>3.06%</b>

## **PROOF OF REVENUE**

**August 1, 2017 Rates vs June 1, 2018 Rates**

**Annualized for year ended March 31, 2019**

**Scenario 1**

	<b>Calculated Revenue August 1, 2017 Rates</b>	<b>Calculated Revenue Jun 1, 2018 Rates</b>	<b>Diff. in Revenue Dollars</b>	<b>Diff. in Revenue Percent</b>
Basic	\$ 632,075,558	\$ 657,623,571	\$ 25,548,013	4.04%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ (0)	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ -	0.00%
Seasonal	\$ 7,820,199	\$ 8,136,856	\$ 316,658	4.05%
FRWH	\$ 1,076,172	\$ 1,119,641	\$ 43,469	4.04%
<b>Residential</b>	<b>\$ 687,357,292</b>	<b>\$ 713,265,432</b>	<b>\$ 25,908,140</b>	<b>3.77%</b>
Small Non-Demand	\$ 159,511,605	\$ 163,920,745	\$ 4,409,140	2.76%
Small Demand	\$ 174,278,918	\$ 181,011,442	\$ 6,732,524	3.86%
Seasonal	\$ 714,745	\$ 720,414	\$ 5,670	0.79%
FRWH	\$ 444,987	\$ 457,076	\$ 12,089	2.72%
<b>GS Small</b>	<b>\$ 334,950,255</b>	<b>\$ 346,109,678</b>	<b>\$ 11,159,424</b>	<b>3.33%</b>
<b>GS Medium</b>	<b>\$ 207,653,123</b>	<b>\$ 216,229,639</b>	<b>\$ 8,576,516</b>	<b>4.13%</b>
Large 750 V - 30 kV	\$ 105,498,365	\$ 109,779,954	\$ 4,281,588	4.06%
Large 30 - 100 kV	\$ 84,901,975	\$ 87,423,527	\$ 2,521,552	2.97%
Large > 100 kV	\$ 188,788,270	\$ 194,513,047	\$ 5,724,777	3.03%
<b>GS Large</b>	<b>\$ 379,188,610</b>	<b>\$ 391,716,528</b>	<b>\$ 12,527,917</b>	<b>3.30%</b>
Diesel GS & Gov.	\$ 7,570,475	\$ 7,572,575	\$ 2,100	0.03%
SEP	\$ 859,088	\$ 859,088	\$ -	0.00%
<b>General Service</b>	<b>\$ 930,221,552</b>	<b>\$ 962,487,509</b>	<b>\$ 32,265,957</b>	<b>3.47%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 25,537,757</b>	<b>\$ 26,568,716</b>	<b>\$ 1,030,959</b>	<b>4.04%</b>
DSM Reduction	\$ (33,137,511)	\$ (34,372,909)	\$ (1,235,398)	3.73%
Misc Revenue & Adjs	\$ 7,135,375	\$ 7,392,249	\$ 256,874	3.60%
<b>Domestic Revenue</b>	<b>\$ 1,617,114,464</b>	<b>\$ 1,675,340,997</b>	<b>\$ 58,226,532</b>	<b>3.60%</b>



**BILL COMPARISONS**

**AUGUST 1, 2017 RATES**

**VS**

**JUNE 1, 2018 RATES**

**IN ACCORDANCE WITH**

**BOARD ORDER 59/18**



## Bill Comparison

### Residential

Forecast Customers: 475,488

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$29.73	\$1.16	4.06%
750	\$69.55	\$72.36	\$2.81	4.04%
1 000	\$90.04	\$93.68	\$3.64	4.04%
2 000	\$172.00	\$178.95	\$6.95	4.04%
5 000	\$417.88	\$434.76	\$16.88	4.04%

### Residential Seasonal

Forecast Customers: 19,284

kWh	August 1, 2017 \$ / Summer	June 1, 2018 \$ / Summer	Difference in \$ / Summer	Percent Change
250	\$117.45	\$122.24	\$4.79	4.08%
750	\$158.43	\$164.87	\$6.44	4.06%
1 000	\$178.92	\$186.19	\$7.27	4.06%
2 000	\$260.88	\$271.46	\$10.58	4.06%
5 000	\$506.76	\$527.27	\$20.51	4.05%

### Residential Diesel

Forecast Customers: 593

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$28.57	\$0.00	0.00%
750	\$69.55	\$69.55	\$0.00	0.00%
1 000	\$90.04	\$90.04	\$0.00	0.00%
2 000	\$172.00	\$172.00	\$0.00	0.00%
5 000	\$417.88	\$417.88	\$0.00	0.00%

**Residential**  
**First Nations On-Reserve**

Forecast Customers: 17,304

kWh	August 1, 2017 \$/ Month	June 1, 2018 \$/ Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$28.57	\$0.00	0.00%
750	\$69.55	\$69.55	\$0.00	0.00%
1 000	\$90.04	\$90.04	\$0.00	0.00%
2 000	\$172.00	\$172.00	\$0.00	0.00%
5 000	\$417.88	\$417.88	\$0.00	0.00%

## Bill Comparison

### General Service Small < 50 kVA

Forecast Customers: 53,051

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$86.48	\$87.79	\$1.31	1.51%
2 000	\$194.09	\$198.99	\$4.90	2.52%
5 000	\$452.36	\$465.87	\$13.51	2.99%
10 000	\$882.81	\$910.67	\$27.86	3.16%
36 500 <sup>i</sup>	\$2,501.76	\$2,619.86	\$118.10	4.72%

### General Service Small 51 kVA

Forecast Customers: 13,271

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$842.32	\$868.26	\$25.94	3.08%
50%	\$1,443.05	\$1,500.05	\$57.00	3.95%
75%	\$1,828.14	\$1,902.00	\$73.86	4.04%
100%	\$2,195.21	\$2,284.33	\$89.12	4.06%

### General Service Small 100 kVA

Forecast Customers: 13,271

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$1,916.14	\$1,992.46	\$76.32	3.98%
50%	\$2,661.32	\$2,769.82	\$108.50	4.08%
75%	\$3,381.10	\$3,519.53	\$138.43	4.09%
100%	\$4,100.88	\$4,269.24	\$168.36	4.11%

## Bill Comparison

### General Service Seasonal

Forecast Customers: 960

kWh	August 1, 2017 \$ / Summer	June 1, 2018 \$ / Summer	Difference in \$ / Summer	Percent Change
750	\$327.49	\$319.56	(\$7.93)	-2.42%
2 000	\$435.10	\$430.76	(\$4.34)	-1.00%
5 000	\$693.37	\$697.64	\$4.27	0.62%
10 000	\$1,123.82	\$1,142.44	\$18.62	1.66%

### General Service Diesel

Forecast Customers: 117

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$86.48	\$87.79	\$1.31	1.51%
2 000	\$194.09	\$198.99	\$4.90	2.52%
5 000	\$1,472.60	\$1,477.50	\$4.90	0.33%
10 000	\$3,603.45	\$3,608.35	\$4.90	0.14%

### General Service Government and First Nation Education

Forecast Customers: 67

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$1,967.28	\$1,966.44	(\$0.84)	-0.04%
2 000	\$5,209.55	\$5,208.71	(\$0.84)	-0.02%
5 000	\$12,991.01	\$12,990.17	(\$0.84)	-0.01%
10 000	\$25,960.11	\$25,959.27	(\$0.84)	0.00%

## Bill Comparison

### General Service Medium 500 kVA

Forecast Customers: 1,947

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$8,862	\$9,229	\$367	4.14%
50%	\$12,461	\$12,977	\$516	4.14%
75%	\$16,060	\$16,726	\$666	4.15%
100%	\$19,659	\$20,474	\$815	4.15%

### General Service Medium 1 000 kVA

Forecast Customers: 1,947

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$17,511	\$18,237	\$726	4.15%
50%	\$24,709	\$25,734	\$1,025	4.15%
75%	\$31,907	\$33,231	\$1,324	4.15%
100%	\$39,105	\$40,728	\$1,623	4.15%

## Bill Comparison

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

Forecast Customers: 326

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$76,695	\$79,813	\$3,118	4.07%
50%	\$110,539	\$115,027	\$4,488	4.06%
75%	\$144,384	\$150,240	\$5,856	4.06%
100%	\$178,229	\$185,454	\$7,225	4.05%

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

Forecast Customers: 43

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$136,326	\$140,388	\$4,062	2.98%
50%	\$199,252	\$205,175	\$5,923	2.97%
75%	\$262,178	\$269,963	\$7,785	2.97%
100%	\$325,104	\$334,750	\$9,646	2.97%

### General Service Large - Over 100 kV 50 000 kVA

Forecast Customers: 14

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$631,458	\$650,674	\$19,216	3.04%
50%	\$936,415	\$964,848	\$28,433	3.04%
75%	\$1,241,373	\$1,279,021	\$37,648	3.03%
100%	\$1,546,330	\$1,593,195	\$46,865	3.03%

## Bill Comparison

### Limited Use Billing Demand - General Service Small 100 kVA

Forecast Customers: 45

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$513.89	\$528.50	\$14.61	2.84%
10%	\$870.38	\$899.96	\$29.58	3.40%
15%	\$1,226.88	\$1,271.42	\$44.54	3.63%
20%	\$1,583.37	\$1,642.88	\$59.51	3.76%

### Limited Use Billing Demand - General Service Medium 500 kVA

Forecast Customers: 19

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$2,953.59	\$3,072.15	\$118.56	4.01%
10%	\$4,736.07	\$4,929.46	\$193.39	4.08%
15%	\$6,518.54	\$6,786.76	\$268.22	4.11%
20%	\$8,301.02	\$8,644.06	\$343.04	4.13%



## Bill Comparison

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

Forecast Customers: 2

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$26,495	\$27,584	\$1,089	4.11%
10%	\$42,291	\$44,018	\$1,727	4.08%
15%	\$58,086	\$60,452	\$2,366	4.07%
20%	\$73,882	\$76,887	\$3,005	4.07%

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

Forecast Customers: 0

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$46,428	\$47,779	\$1,351	2.91%
10%	\$74,457	\$76,658	\$2,201	2.96%
15%	\$102,485	\$105,536	\$3,051	2.98%
20%	\$130,513	\$134,415	\$3,902	2.99%

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

Forecast Customers: 3

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$211,276	\$217,825	\$6,549	3.10%
10%	\$341,052	\$351,524	\$10,472	3.07%
15%	\$470,827	\$485,224	\$14,397	3.06%
20%	\$600,603	\$618,923	\$18,320	3.05%

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<sup>i</sup> Manitoba Hydro has added a bill impact for customers using 36,500 kWh per month, the theoretical maximum usage for the General Service Small Non-Demand class. For the largest of customers in this class the bill impacts could reach Manitoba Hydro's upper limit of no more than 2% greater than class average. In calculating rates with consideration to this bill impact objective and the class harmonization constraint, Manitoba Hydro was unable to precisely recover the targeted revenue increases sought for each General Service sub-class.

# **RATE SCHEDULES**

**EFFECTIVE**

**JUNE 1, 2018**

**IN ACCORDANCE WITH**

**BOARD ORDER 59/18**



**TABLE OF CONTENTS**

	<u>Page</u>
<b>DEFINITIONS .....</b>	<b>1</b>
<b>RESIDENTIAL RATES .....</b>	<b>2</b>
Residential.....	2
Seasonal .....	3
Diesel.....	3
On-Reserve.....	4
Flat Rate Water Heating.....	5
<b>GENERAL SERVICE .....</b>	<b>6</b>
Small.....	6
Seasonal .....	8
Cooking and Heating Standard .....	9
Cooking and Heating Seasonal.....	9
Diesel.....	10
Government and First Nation Education .....	10
Medium.....	11
Large.....	12
Limited Use of Billing Demand.....	13
Flat Rate Water Heating.....	16
Short-Term Power Rate .....	17
Unmetered Services.....	17
Short-Duration, Intermittent Rate .....	18
<b>AREA AND ROADWAY LIGHTING .....</b>	<b>19</b>

## **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. 2018-01**

Basic Charge:	\$ 8.41
PLUS	
Energy Charge:	
All kWh	@ 8.527 ¢ / kWh
Minimum Bill:	\$ 8.41

Services over 200 amps will have \$8.41 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. 2018-02**

Annual Basic Charge:	\$ 100.92
PLUS	
Energy Charge:	
All kWh	@ 8.527 ¢ / kWh
Minimum Annual Bill:	\$ 100.92

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. 2018-03**

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.

**ON-RESERVE - TARIFF NO. 2018-04**

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 applies to all residential services on First Nations Reserve land.



**RESIDENTIAL**

**FLAT RATE WATER HEATING RATES**

(NOT available for new services)

	<b><u>TARIFF NO. 2018-09</u></b>	<b><u>TARIFF NO. 2018-10</u></b>
<b><u>Element Size</u></b>	<b><u>Controlled</u></b>	<b><u>Uncontrolled</u></b>
500 W	\$ 13.13	\$ 17.35
600 W	\$ 15.56	\$ 20.65
750 W	\$ 19.10	\$ 25.47
900 W	\$ 22.71	\$ 30.26
1,000 W	\$ 25.04	\$ 33.51
1,200 W	\$ 28.43	\$ 37.60
1,250 W	\$ 29.28	\$ 38.68
1,500 W	\$ 33.51	\$ 43.63
2,000 W	\$ 40.32	\$ 52.61
2,500 W	\$ 45.40	\$ 58.95
3,000 W	\$ 49.69	\$ 65.36
3,500 W	\$ 55.86	\$ 72.79
4,000 W	\$ 61.93	\$ 80.24
4,500 W	\$ 69.16	\$ 89.09
6,000 W	\$ -	\$ 115.41
1,500 / 1,000 W	\$ 26.06	\$ 34.85
2,000 / 1,000 W	\$ 26.74	\$ 35.72
3,000 / 1,000 W	\$ 27.31	\$ 36.99
2,000 / 1,500 W	\$ 36.28	\$ 48.50
3,000 / 1,500 W	\$ 37.13	\$ 49.41
4,500 / 1,500 W	\$ 38.40	\$ 51.38
3,000 / 2,000 W	\$ 44.59	\$ 59.78

**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. 2018-20**

Basic Charge:	\$ 21.04
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.882 ¢ / kWh
Next 8,500 kWh	@ 6.435 ¢ / kWh
Balance of kWh	@ 4.099 ¢ / kWh
	PLUS
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.50 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge	

**SMALL THREE PHASE - TARIFF NO. 2018-21**

Basic Charge:	\$ 29.66
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.882 ¢ / kWh
Next 8,500 kWh	@ 6.435 ¢ / kWh
Balance of kWh	@ 4.099 ¢ / kWh
	PLUS
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.50 / 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 @ 6.435 ¢ / 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. 2018-22**

Annual Basic Charge:	\$ 252.48
PLUS	
First 66,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 6.435 ¢ / kWh
Minimum Annual Bill:	\$ 252.48

**SEASONAL THREE PHASE - TARIFF NO. 2018-27**

Annual Basic Charge:	\$ 355.92
PLUS	
First 66,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 6.435 ¢ / kWh
Minimum Annual Bill:	\$ 355.92

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. 2018-23**

Basic Charge:	\$ 21.04
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 6.435 ¢ / kWh
Minimum Bill:	\$ 21.04

**COOKING AND HEATING SEASONAL - TARIFF NO. 2018-24**

Annual Basic Charge:	\$ 252.48
PLUS	
Energy Charge:	
First 66,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 6.435 ¢ / kWh
Minimum Annual Bill:	\$ 252.48

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. 2018-40**

Basic Charge:	\$ 21.04
PLUS	
Energy Charge:	
First 2,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 42.617 ¢ / kWh
Minimum Bill:	\$ 21.04

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. 2018-41**

Basic Charge:	\$ 21.04
PLUS	
Energy Charge:	@ \$2.59382 / kWh
Minimum Bill:	\$ 21.04

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. 2018-30**

Basic Charge:	\$ 31.31
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.882 ¢ / kWh
Next 8,500 kWh	@ 6.435 ¢ / kWh
Balance of kWh	@ 4.099 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.50 / 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.

**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 17.

**GENERAL SERVICE**

(Customer-Owned Transformation)

**LARGE 750 V TO NOT EXCEEDING 30 KV - TARIFF NO. 2018-60**

Energy Charge: @ 3.859 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 8.92 / kVA  
  
Minimum Bill: Demand Charge

**LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2018-61**

Energy Charge: @ 3.550 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 7.56 / kVA  
  
Minimum Bill: Demand Charge

**LARGE EXCEEDING 100 KV - TARIFF NO. 2018-62**

Energy Charge: @ 3.443 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 6.73 / 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. 2018-50**

Basic Charge:	\$ 21.04
PLUS	
Energy Charge:	@ 10.157 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

**LUBD SMALL THREE PHASE - TARIFF NO. 2018-51**

Basic Charge:	\$ 29.66
PLUS	
Energy Charge:	@ 10.157 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / 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. 2018-52**

Basic Charge:	\$ 31.31
PLUS	
Energy Charge:	@ 10.157 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / 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. 2018-53**

Energy Charge: @ 9.005 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 2.23 / kVA  
  
Minimum Bill: Demand Charge

**LUBD LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2018-54**

Energy Charge: @ 7.912 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 1.89 / kVA  
  
Minimum Bill: Demand Charge

**LUBD LARGE EXCEEDING 100 KV - TARIFF NO. 2018-55**

Energy Charge: @ 7.326 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 1.68 / 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. 2018-29**

<u>Element Size</u>	<u>Uncontrolled</u>
500 W	\$ 18.24
600 W	\$ 21.82
750 W	\$ 27.22
1,000 W	\$ 36.60
1,200 W	\$ 43.79
1,500 W	\$ 54.47
2,000 W	\$ 68.29
2,500 W	\$ 82.11
3,000 W	\$ 95.55
3,500 W	\$ 108.99
3,800 W	\$ 120.46
4,000 W	\$ 122.42
4,500 W	\$ 135.87
5,000 W	\$ 149.29
6,000 W	\$ 176.18
6,500 W	\$ 195.06
7,000 W	\$ 203.02
7,500 W	\$ 222.69
8,000 W	\$ 229.89
9,000 W	\$ 256.73
10,000 W	\$ 283.63
10,500 W	\$ 297.12
12,000 W	\$ 337.39
12,500 W	\$ 350.83
13,000 W	\$ 364.28
13,500 W	\$ 377.56
14,500 W	\$ 404.43
15,000 W	\$ 417.99
16,000 W	\$ 444.86
16,500 W	\$ 471.42
18,000 W	\$ 498.66
19,000 W	\$ 540.44
20,000 W	\$ 552.37
23,000 W	\$ 651.02
24,000 W	\$ 678.70
25,000 W	\$ 686.83
3,000 / 1,000 W	\$ 44.59
2,000 / 1,500 W	\$ 56.45
3,000 / 1,500 W	\$ 57.08
4,500 / 1,500 W	\$ 58.47

## **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. 2018-20 or 2018-21:**

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. 2018-80:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
200 F	-	\$ 11.48
20 CF	-	\$ 2.46
100 I	\$ 5.27	\$ 11.48
150 I	-	\$ 11.48
300 I	-	\$ 16.35
500 I	\$ 13.82	\$ 22.53
400 MH	-	\$ 27.47
175 MV	\$ 10.22	\$ 16.35
250 MV	\$ 11.69	\$ 18.52
400 MV	\$ 16.03	\$ 22.15
70 HPS	\$ 8.78	\$ 14.42
70 HPS 24 hours	-	\$ 16.21
100 HPS	\$ 9.11	\$ 15.21
150 HPS	\$ 11.17	\$ 17.18
250 HPS	\$ 14.23	\$ 19.80
400 HPS	\$ 16.33	\$ 27.47
400 HPS 2/100'	-	\$ 42.46
400 HPS 4/100'	-	\$ 31.18
750 HPS	\$ 25.32	\$ 40.15
1 000 HPS	-	\$ 46.59
1 000 HPS 1/60'	-	\$ 47.66
1 000 HPS 2/100'	-	\$ 57.12
1 000 HPS 4/100'	-	\$ 48.98

**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**

**OUTDOOR LIGHTING RATE - *TARIFF NO. 2018-80*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
10 LED (1 – 30 W)	-	\$ 2.24
40 LED (> 30 – 50 W)	\$ 7.55	\$ 13.18
40 LED 24 hr (> 30 – 50 W)	-	\$ 14.97
60 LED (> 50 – 80 W)	\$ 7.71	\$ 13.80
90 LED (> 80 – 120 W)	\$ 9.23	\$ 15.23
150 LED (> 120 – 180 W)	\$ 10.99	\$ 16.55
150 LED 2/100' (>120 – 180)	-	\$ 26.79
150 LED 4/100' (>120 – 180)	-	\$ 18.69
250 LED (> 180 – 280 W)	\$ 11.14	\$ 22.27
250 LED 2/100' (> 180 – 280 W)	-	\$ 37.26
250 LED 4/100' (> 180 – 280 W)	-	\$ 25.99

**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. 2018-81*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
100 I	\$ 5.98	-
150 I	\$ 5.98	\$ 12.40
300 I	\$ 10.90	-
500 I	\$ 14.68	\$ 24.03
250 MV	\$ 13.51	\$ 19.78
400 MV	\$ 16.52	\$ 22.18
500 Q	\$ 22.71	\$ 28.78

**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. 2018-82*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
70 HPS	\$ 8.78	\$ 14.42
100 HPS	\$ 9.11	\$ 15.21
150 HPS	\$ 11.17	\$ 17.18
250 HPS	\$ 14.23	\$ 19.80
<hr/>		
40 LED (> 30 – 50 W)	\$ 7.55	\$ 13.18
60 LED (> 50 – 80 W)	\$ 7.71	\$ 13.80
90 LED (> 80 – 120 W)	\$ 9.23	\$ 15.23
150 LED (> 120 – 180 W)	\$ 10.99	\$ 16.55
250 LED (> 180 – 280 W)	\$ 11.14	\$ 22.27

**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. 2018-83*:**

Watts	Rate Per Month	
	Flat Rate (Energy and Rental)	Metered (Rental Only)
100 HPS	\$ 11.30	\$ 7.79
150 HPS	\$ 14.97	\$ 10.63
175 MV	\$ 11.66	\$ 7.79
400 MV	\$ 19.30	\$ 10.63
60 LED	\$ 9.89	\$ 7.79
90 LED	\$ 13.03	\$ 10.63

**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. 2018-85***

Connected load @ \$1.006/kW per night of scheduled use:

Minimum Monthly Bill: \$ 20.56

**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.

**PROOF OF REVENUE**

**August 1, 2017 Rates vs June 1, 2018 Rates**

**Annualized for year ended March 31, 2019**

**Scenario 2**

	<b>Calculated Revenue August 1, 2017 Rates</b>	<b>Calculated Revenue Jun 1, 2018 Rates</b>	<b>Diff. in Revenue Dollars</b>	<b>Diff. in Revenue Percent</b>
Basic	\$ 632,075,558	\$ 657,623,571	\$ 25,548,013	4.04%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ (0)	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ -	0.00%
Seasonal	\$ 7,820,199	\$ 8,136,856	\$ 316,658	4.05%
FRWH	\$ 1,076,172	\$ 1,119,641	\$ 43,469	4.04%
<b>Residential</b>	<b>\$ 687,357,292</b>	<b>\$ 713,265,432</b>	<b>\$ 25,908,140</b>	<b>3.77%</b>
Small Non-Demand	\$ 159,511,605	\$ 163,845,912	\$ 4,334,307	2.72%
Small Demand	\$ 174,278,918	\$ 181,323,358	\$ 7,044,440	4.04%
Seasonal	\$ 714,745	\$ 719,317	\$ 4,573	0.64%
FRWH	\$ 444,987	\$ 457,076	\$ 12,089	2.72%
<b>GS Small</b>	<b>\$ 334,950,255</b>	<b>\$ 346,345,664</b>	<b>\$ 11,395,410</b>	<b>3.40%</b>
<b>GS Medium</b>	<b>\$ 207,653,123</b>	<b>\$ 216,037,173</b>	<b>\$ 8,384,050</b>	<b>4.04%</b>
Large 750 V - 30 kV	\$ 105,498,365	\$ 109,779,954	\$ 4,281,588	4.06%
Large 30 - 100 kV	\$ 84,901,975	\$ 87,423,527	\$ 2,521,552	2.97%
Large > 100 kV	\$ 188,788,270	\$ 194,513,047	\$ 5,724,777	3.03%
<b>GS Large</b>	<b>\$ 379,188,610</b>	<b>\$ 391,716,528</b>	<b>\$ 12,527,917</b>	<b>3.30%</b>
Diesel GS & Gov.	\$ 7,570,475	\$ 7,572,314	\$ 1,839	0.02%
SEP	\$ 859,088	\$ 859,088	\$ -	0.00%
<b>General Service</b>	<b>\$ 930,221,552</b>	<b>\$ 962,530,767</b>	<b>\$ 32,309,216</b>	<b>3.47%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 25,537,757</b>	<b>\$ 26,568,716</b>	<b>\$ 1,030,959</b>	<b>4.04%</b>
DSM Reduction	\$ (33,137,511)	\$ (34,372,909)	\$ (1,235,398)	3.73%
Misc Revenue & Adjs	\$ 7,135,375	\$ 7,392,249	\$ 256,874	3.60%
<b>Domestic Revenue</b>	<b>\$ 1,617,114,464</b>	<b>\$ 1,675,384,256</b>	<b>\$ 58,269,791</b>	<b>3.60%</b>

## PROOF OF REVENUE

August 1, 2017 Rates vs June 1, 2018 Rates  
Impact on Fiscal Year ended March 31, 2019  
Scenario 2

	Calculated Revenue August 1, 2017 Rates	Calculated Revenue Jun 1, 2018 Rates	Diff. in Revenue Dollars	Diff. in Revenue Percent
Basic	\$ 632,075,558	\$ 653,610,947	\$ 21,535,389	3.41%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ (0)	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ (0)	0.00%
Seasonal	\$ 7,820,199	\$ 7,959,528	\$ 139,330	1.78%
FRWH	\$ 1,076,172	\$ 1,112,242	\$ 36,070	3.35%
<b>Residential</b>	<b>\$ 687,357,292</b>	<b>\$ 709,068,080</b>	<b>\$ 21,710,789</b>	<b>3.16%</b>
Small Non-Demand	\$ 159,511,605	\$ 163,144,277	\$ 3,632,672	2.28%
Small Demand	\$ 174,278,918	\$ 180,217,082	\$ 5,938,164	3.41%
Seasonal	\$ 714,745	\$ 721,128	\$ 6,383	0.89%
FRWH	\$ 444,987	\$ 455,062	\$ 10,074	2.26%
<b>GS Small</b>	<b>\$ 334,950,255</b>	<b>\$ 344,537,549</b>	<b>\$ 9,587,294</b>	<b>2.86%</b>
<b>GS Medium</b>	<b>\$ 207,653,123</b>	<b>\$ 214,669,443</b>	<b>\$ 7,016,320</b>	<b>3.38%</b>
Large 750 V - 30 kV	\$ 105,498,365	\$ 109,088,953	\$ 3,590,588	3.40%
Large 30 - 100 kV	\$ 84,901,975	\$ 87,034,645	\$ 2,132,671	2.51%
Large > 100 kV	\$ 188,788,270	\$ 193,579,743	\$ 4,791,473	2.54%
<b>GS Large</b>	<b>\$ 379,188,610</b>	<b>\$ 389,703,341</b>	<b>\$ 10,514,731</b>	<b>2.77%</b>
Diesel GS & Gov.	\$ 7,570,475	\$ 7,571,984	\$ 1,509	0.02%
SEP	\$ 859,088	\$ 859,088	\$ -	0.00%
<b>General Service</b>	<b>\$ 930,221,552</b>	<b>\$ 957,341,405</b>	<b>\$ 27,119,853</b>	<b>2.92%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 25,537,757</b>	<b>\$ 26,396,944</b>	<b>\$ 859,187</b>	<b>3.36%</b>
DSM Reduction	\$ (33,137,511)	\$ (34,173,965)	\$ (1,036,454)	3.13%
Misc Revenue & Adjs	\$ 7,135,375	\$ 8,073,871	\$ 938,495	13.15%
<b>Domestic Revenue</b>	<b>\$ 1,617,114,464</b>	<b>\$ 1,666,706,335</b>	<b>\$ 49,591,871</b>	<b>3.07%</b>

**BILL COMPARISONS**

**AUGUST 1, 2017 RATES**

**VS**

**JUNE 1, 2018 RATES**

**IN ACCORDANCE WITH**

**BOARD ORDER 59/18**





## Bill Comparison

### Residential

Forecast Customers: 475,488

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$29.73	\$1.16	4.06%
750	\$69.55	\$72.36	\$2.81	4.04%
1 000	\$90.04	\$93.68	\$3.64	4.04%
2 000	\$172.00	\$178.95	\$6.95	4.04%
5 000	\$417.88	\$434.76	\$16.88	4.04%

### Residential Seasonal

Forecast Customers: 19,284

kWh	August 1, 2017 \$ / Summer	June 1, 2018 \$ / Summer	Difference in \$ / Summer	Percent Change
250	\$117.45	\$122.24	\$4.79	4.08%
750	\$158.43	\$164.87	\$6.44	4.06%
1 000	\$178.92	\$186.19	\$7.27	4.06%
2 000	\$260.88	\$271.46	\$10.58	4.06%
5 000	\$506.76	\$527.27	\$20.51	4.05%

### Residential Diesel

Forecast Customers: 593

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$28.57	\$0.00	0.00%
750	\$69.55	\$69.55	\$0.00	0.00%
1 000	\$90.04	\$90.04	\$0.00	0.00%
2 000	\$172.00	\$172.00	\$0.00	0.00%
5 000	\$417.88	\$417.88	\$0.00	0.00%

**Residential**  
**First Nations On-Reserve**

Forecast Customers: 17,304

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$28.57	\$0.00	0.00%
750	\$69.55	\$69.55	\$0.00	0.00%
1 000	\$90.04	\$90.04	\$0.00	0.00%
2 000	\$172.00	\$172.00	\$0.00	0.00%
5 000	\$417.88	\$417.88	\$0.00	0.00%

## Bill Comparison

### General Service Small < 50 kVA

Forecast Customers: 53,051

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$86.48	\$87.66	\$1.18	1.36%
2 000	\$194.09	\$198.68	\$4.59	2.36%
5 000	\$452.36	\$465.14	\$12.78	2.83%
10 000	\$882.81	\$909.24	\$26.43	2.99%
36 500 <sup>i</sup>	\$2,501.76	\$2,647.61	\$145.85	5.83%

### General Service Small 51 kVA

Forecast Customers: 13,271

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$842.32	\$866.90	\$24.58	2.92%
50%	\$1,443.05	\$1,507.21	\$64.16	4.45%
75%	\$1,828.14	\$1,909.41	\$81.27	4.45%
100%	\$2,195.21	\$2,290.91	\$95.70	4.36%

### General Service Small 100 kVA

Forecast Customers: 13,271

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$1,916.14	\$1,998.22	\$82.08	4.28%
50%	\$2,661.32	\$2,775.49	\$114.17	4.29%
75%	\$3,381.10	\$3,523.55	\$142.45	4.21%
100%	\$4,100.88	\$4,271.62	\$170.74	4.16%

## Bill Comparison

### General Service Seasonal

Forecast Customers: 960

kWh	August 1, 2017 \$ / Summer	June 1, 2018 \$ / Summer	Difference in \$ / Summer	Percent Change
750	\$327.49	\$319.10	(\$8.39)	-2.56%
2 000	\$435.10	\$430.12	(\$4.98)	-1.14%
5 000	\$693.37	\$696.58	\$3.21	0.46%
10 000	\$1,123.82	\$1,140.68	\$16.86	1.50%

### General Service Diesel

Forecast Customers: 117

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$86.48	\$87.66	\$1.18	1.36%
2 000	\$194.09	\$198.68	\$4.59	2.36%
5 000	\$1,472.60	\$1,477.19	\$4.59	0.31%
10 000	\$3,603.45	\$3,608.04	\$4.59	0.13%

### General Service Government and First Nation Education

Forecast Customers: 67

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$1,967.28	\$1,966.41	(\$0.87)	-0.04%
2 000	\$5,209.55	\$5,208.68	(\$0.87)	-0.02%
5 000	\$12,991.01	\$12,990.14	(\$0.87)	-0.01%
10 000	\$25,960.11	\$25,959.24	(\$0.87)	0.00%

## Bill Comparison

### General Service Medium 500 kVA

Forecast Customers: 1,947

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$8,862	\$9,221	\$359	4.05%
50%	\$12,461	\$12,962	\$501	4.02%
75%	\$16,060	\$16,702	\$642	4.00%
100%	\$19,659	\$20,442	\$783	3.98%

### General Service Medium 1 000 kVA

Forecast Customers: 1,947

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$17,511	\$18,212	\$701	4.00%
50%	\$24,709	\$25,692	\$983	3.98%
75%	\$31,907	\$33,173	\$1,266	3.97%
100%	\$39,105	\$40,654	\$1,549	3.96%

## Bill Comparison

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

Forecast Customers: 326

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$76,695	\$79,813	\$3,118	4.07%
50%	\$110,539	\$115,027	\$4,488	4.06%
75%	\$144,384	\$150,240	\$5,856	4.06%
100%	\$178,229	\$185,454	\$7,225	4.05%

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

Forecast Customers: 43

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$136,326	\$140,388	\$4,062	2.98%
50%	\$199,252	\$205,175	\$5,923	2.97%
75%	\$262,178	\$269,963	\$7,785	2.97%
100%	\$325,104	\$334,750	\$9,646	2.97%

### General Service Large - Over 100 kV 50 000 kVA

Forecast Customers: 14

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$631,458	\$650,674	\$19,216	3.04%
50%	\$936,415	\$964,848	\$28,433	3.04%
75%	\$1,241,373	\$1,279,021	\$37,648	3.03%
100%	\$1,546,330	\$1,593,195	\$46,865	3.03%

## Bill Comparison

### Limited Use Billing Demand - General Service Small 100 kVA

Forecast Customers: 45

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$513.89	\$527.76	\$13.87	2.70%
10%	\$870.38	\$898.49	\$28.11	3.23%
15%	\$1,226.88	\$1,269.22	\$42.34	3.45%
20%	\$1,583.37	\$1,639.95	\$56.58	3.57%

### Limited Use Billing Demand - General Service Medium 500 kVA

Forecast Customers: 19

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$2,953.59	\$3,066.21	\$112.62	3.81%
10%	\$4,736.07	\$4,919.87	\$183.80	3.88%
15%	\$6,518.54	\$6,773.52	\$254.98	3.91%
20%	\$8,301.02	\$8,627.17	\$326.15	3.93%

## Bill Comparison

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

Forecast Customers: 2

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$26,495	\$27,584	\$1,089	4.11%
10%	\$42,291	\$44,018	\$1,727	4.08%
15%	\$58,086	\$60,452	\$2,366	4.07%
20%	\$73,882	\$76,887	\$3,005	4.07%

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

Forecast Customers: 0

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$46,428	\$47,779	\$1,351	2.91%
10%	\$74,457	\$76,658	\$2,201	2.96%
15%	\$102,485	\$105,536	\$3,051	2.98%
20%	\$130,513	\$134,415	\$3,902	2.99%

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

Forecast Customers: 3

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$211,276	\$217,825	\$6,549	3.10%
10%	\$341,052	\$351,524	\$10,472	3.07%
15%	\$470,827	\$485,224	\$14,397	3.06%
20%	\$600,603	\$618,923	\$18,320	3.05%



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<sup>i</sup> Manitoba Hydro has added a bill impact for customers using 36,500 kWh per month, the theoretical maximum usage for the General Service Small Non-Demand class.

**RATE SCHEDULES**

**EFFECTIVE**

**JUNE 1, 2018**

**IN ACCORDANCE WITH**

**BOARD ORDER 59/18**



**TABLE OF CONTENTS**

	<u>Page</u>
<b>DEFINITIONS .....</b>	<b>1</b>
<b>RESIDENTIAL RATES .....</b>	<b>2</b>
Residential.....	2
Seasonal .....	3
Diesel.....	3
On-Reserve.....	4
Flat Rate Water Heating.....	5
<b>GENERAL SERVICE .....</b>	<b>6</b>
Small.....	6
Seasonal .....	8
Cooking and Heating Standard .....	9
Cooking and Heating Seasonal.....	9
Diesel.....	10
Government and First Nation Education .....	10
Medium.....	11
Large.....	12
Limited Use of Billing Demand.....	13
Flat Rate Water Heating.....	16
Short-Term Power Rate .....	17
Unmetered Services.....	17
Short-Duration, Intermittent Rate .....	18
<b>AREA AND ROADWAY LIGHTING .....</b>	<b>19</b>

## **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. 2018-01**

Basic Charge:	\$ 8.40
PLUS	
Energy Charge:	
All kWh	@ 8.518 ¢ / kWh
Minimum Bill:	\$ 8.40

Services over 200 amps will have \$8.40 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. 2018-02**

Annual Basic Charge:	\$ 100.80
PLUS	
Energy Charge:	
All kWh	@ 8.518 ¢ / kWh
Minimum Annual Bill:	\$ 100.80

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. 2018-03**

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.

**ON-RESERVE - TARIFF NO. 2018-04**

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 applies to all residential services on First Nations Reserve land.

**RESIDENTIAL**

**FLAT RATE WATER HEATING RATES**

(NOT available for new services)

<u>Element Size</u>	<u>TARIFF NO. 2018-09</u>	<u>TARIFF NO. 2018-10</u>
	<u>Controlled</u>	<u>Uncontrolled</u>
500 W	\$ 13.12	\$ 17.34
600 W	\$ 15.55	\$ 20.63
750 W	\$ 19.08	\$ 25.44
900 W	\$ 22.69	\$ 30.23
1,000 W	\$ 25.02	\$ 33.48
1,200 W	\$ 28.40	\$ 37.56
1,250 W	\$ 29.25	\$ 38.64
1,500 W	\$ 33.48	\$ 43.59
2,000 W	\$ 40.28	\$ 52.56
2,500 W	\$ 45.36	\$ 58.89
3,000 W	\$ 49.64	\$ 65.29
3,500 W	\$ 55.80	\$ 72.72
4,000 W	\$ 61.87	\$ 80.16
4,500 W	\$ 69.09	\$ 89.00
6,000 W	\$ -	\$ 115.29
1,500 / 1,000 W	\$ 26.03	\$ 34.82
2,000 / 1,000 W	\$ 26.71	\$ 35.68
3,000 / 1,000 W	\$ 27.28	\$ 36.95
2,000 / 1,500 W	\$ 36.24	\$ 48.45
3,000 / 1,500 W	\$ 37.09	\$ 49.36
4,500 / 1,500 W	\$ 38.36	\$ 51.33
3,000 / 2,000 W	\$ 44.54	\$ 59.72

**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. 2018-20**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.882 ¢ / kWh
Next 8,500 kWh	@ 6.315 ¢ / kWh
Balance of kWh	@ 4.108 ¢ / kWh
	PLUS
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.52 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge	

**SMALL THREE PHASE - TARIFF NO. 2018-21**

Basic Charge:	\$ 29.65
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.882 ¢ / kWh
Next 8,500 kWh	@ 6.315 ¢ / kWh
Balance of kWh	@ 4.108 ¢ / kWh
	PLUS
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.52 / 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 @ 6.315 ¢ / 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. 2018-22**

Annual Basic Charge:	\$ 252.36
PLUS	
First 66,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 6.315 ¢ / kWh
Minimum Annual Bill:	\$ 252.36

**SEASONAL THREE PHASE - TARIFF NO. 2018-27**

Annual Basic Charge:	\$ 355.80
PLUS	
First 66,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 6.315 ¢ / kWh
Minimum Annual Bill:	\$ 355.80

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. 2018-23**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 6.315 ¢ / kWh
Minimum Bill:	\$ 21.03

**COOKING AND HEATING SEASONAL - TARIFF NO. 2018-24**

Annual Basic Charge:	\$ 252.36
PLUS	
Energy Charge:	
First 66,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 6.315 ¢ / kWh
Minimum Annual Bill:	\$ 252.36

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. 2018-40**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	
First 2,000 kWh	@ 8.882 ¢ / kWh
Balance of kWh	@ 42.617 ¢ / kWh
Minimum Bill:	\$ 21.03

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. 2018-41**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	@ \$2.59382 / kWh
Minimum Bill:	\$ 21.03

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. 2018-30**

Basic Charge:	\$ 31.31
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.882 ¢ / kWh
Next 8,500 kWh	@ 6.315 ¢ / kWh
Balance of kWh	@ 4.108 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.52 / 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.

**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 17.

**GENERAL SERVICE**

(Customer-Owned Transformation)

**LARGE 750 V TO NOT EXCEEDING 30 KV - TARIFF NO. 2018-60**

Energy Charge: @ 3.855 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 8.91 / kVA  
  
Minimum Bill: Demand Charge

**LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2018-61**

Energy Charge: @ 3.546 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 7.55 / kVA  
  
Minimum Bill: Demand Charge

**LARGE EXCEEDING 100 KV - TARIFF NO. 2018-62**

Energy Charge: @ 3.440 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 6.72 / 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. 2018-50**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	@ 10.177 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

**LUBD SMALL THREE PHASE - TARIFF NO. 2018-51**

Basic Charge:	\$ 29.65
PLUS	
Energy Charge:	@ 10.177 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / 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. 2018-52**

Basic Charge:	\$ 31.31
PLUS	
Energy Charge:	@ 10.177 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.63 / 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. 2018-53**

Energy Charge: @ 8.995 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 2.23 / kVA  
  
Minimum Bill: Demand Charge

**LUBD LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2018-54**

Energy Charge: @ 7.902 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 1.89 / kVA  
  
Minimum Bill: Demand Charge

**LUBD LARGE EXCEEDING 100 KV - TARIFF NO. 2018-55**

Energy Charge: @ 7.317 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 1.68 / 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. 2018-29**

<u>Element Size</u>	<u>Uncontrolled</u>
500 W	\$ 18.22
600 W	\$ 21.79
750 W	\$ 27.19
1,000 W	\$ 36.56
1,200 W	\$ 43.74
1,500 W	\$ 54.41
2,000 W	\$ 68.22
2,500 W	\$ 82.03
3,000 W	\$ 95.45
3,500 W	\$ 108.87
3,800 W	\$ 120.33
4,000 W	\$ 122.29
4,500 W	\$ 135.72
5,000 W	\$ 149.13
6,000 W	\$ 175.99
6,500 W	\$ 194.85
7,000 W	\$ 202.80
7,500 W	\$ 222.45
8,000 W	\$ 229.64
9,000 W	\$ 256.45
10,000 W	\$ 283.33
10,500 W	\$ 296.80
12,000 W	\$ 337.03
12,500 W	\$ 350.45
13,000 W	\$ 363.89
13,500 W	\$ 377.15
14,500 W	\$ 404.00
15,000 W	\$ 417.54
16,000 W	\$ 444.38
16,500 W	\$ 470.92
18,000 W	\$ 498.13
19,000 W	\$ 539.86
20,000 W	\$ 551.78
23,000 W	\$ 650.32
24,000 W	\$ 677.98
25,000 W	\$ 685.90
3,000 / 1,000 W	\$ 44.54
2,000 / 1,500 W	\$ 56.39
3,000 / 1,500 W	\$ 57.02
4,500 / 1,500 W	\$ 58.41

## **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. 2018-20 or 2018-21:**

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. 2018-80:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
200 F	-	\$ 11.46
20 CF	-	\$ 2.45
100 I	\$ 5.27	\$ 11.46
150 I	-	\$ 11.46
300 I	-	\$ 16.34
500 I	\$ 13.80	\$ 22.51
400 MH	-	\$ 27.44
175 MV	\$ 10.21	\$ 16.34
250 MV	\$ 11.68	\$ 18.50
400 MV	\$ 16.02	\$ 22.13
70 HPS	\$ 8.77	\$ 14.40
70 HPS 24 hours	-	\$ 16.19
100 HPS	\$ 9.10	\$ 15.19
150 HPS	\$ 11.16	\$ 17.16
250 HPS	\$ 14.22	\$ 19.78
400 HPS	\$ 16.32	\$ 27.44
400 HPS 2/100'	-	\$ 42.41
400 HPS 4/100'	-	\$ 31.15
750 HPS	\$ 25.30	\$ 40.11
1 000 HPS	-	\$ 46.54
1 000 HPS 1/60'	-	\$ 47.61
1 000 HPS 2/100'	-	\$ 57.06
1 000 HPS 4/100'	-	\$ 48.93

**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. 2018-80*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
10 LED (1 – 30 W)	-	\$ 2.23
40 LED (> 30 – 50 W)	\$ 7.55	\$ 13.17
40 LED 24 hr (> 30 – 50 W)	-	\$ 14.96
60 LED (> 50 – 80 W)	\$ 7.70	\$ 13.78
90 LED (> 80 – 120 W)	\$ 9.22	\$ 15.22
150 LED (> 120 – 180 W)	\$ 10.97	\$ 16.54
150 LED 2/100' (>120 – 180)	-	\$ 26.76
150 LED 4/100' (>120 – 180)	-	\$ 18.67
250 LED (> 180 – 280 W)	\$ 11.13	\$ 22.25
250 LED 2/100' (> 180 – 280 W)	-	\$ 37.22
250 LED 4/100' (> 180 – 280 W)	-	\$ 25.96

**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. 2018-81*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
100 I	\$ 5.98	-
150 I	\$ 5.98	\$ 12.39
300 I	\$ 10.89	-
500 I	\$ 14.66	\$ 24.01
250 MV	\$ 13.50	\$ 19.76
400 MV	\$ 16.50	\$ 22.16
500 Q	\$ 22.69	\$ 28.75

**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. 2018-82*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
70 HPS	\$ 8.77	\$ 14.40
100 HPS	\$ 9.10	\$ 15.19
150 HPS	\$ 11.16	\$ 17.16
250 HPS	\$ 14.22	\$ 19.78
<hr/>		
40 LED (> 30 – 50 W)	\$ 7.55	\$ 13.17
60 LED (> 50 – 80 W)	\$ 7.70	\$ 13.78
90 LED (> 80 – 120 W)	\$ 9.22	\$ 15.20
150 LED (> 120 – 180 W)	\$ 10.97	\$ 16.54
250 LED (> 180 – 280 W)	\$ 11.13	\$ 22.25

**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. 2018-83*:**

Watts	Rate Per Month	
	Flat Rate (Energy and Rental)	Metered (Rental Only)
100 HPS	\$ 11.29	\$ 7.78
150 HPS	\$ 14.96	\$ 10.62
175 MV	\$ 11.65	\$ 7.78
400 MV	\$ 19.28	\$ 10.62
60 LED	\$ 9.88	\$ 7.78
90 LED	\$ 13.01	\$ 10.62

**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. 2018-85***

Connected load @ \$1.005/kW per night of scheduled use:

Minimum Monthly Bill: \$ 20.54

**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.

**PROOF OF REVENUE**

**August 1, 2017 Rates vs June 1, 2018 Rates**

**Annualized for year ended March 31, 2019**

**Scenario 3**

	Calculated Revenue August 1, 2017 Rates	Calculated Revenue Jun 1, 2018 Rates	Diff. in Revenue Dollars	Diff. in Revenue Percent
Basic	\$ 632,075,558	\$ 656,922,976	\$ 24,847,418	3.93%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ (0)	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ -	0.00%
Seasonal	\$ 7,820,199	\$ 8,128,009	\$ 307,810	3.94%
FRWH	\$ 1,076,172	\$ 1,118,573	\$ 42,401	3.94%
<b>Residential</b>	<b>\$ 687,357,292</b>	<b>\$ 712,554,920</b>	<b>\$ 25,197,629</b>	<b>3.67%</b>
Small Non-Demand	\$ 159,511,605	\$ 163,666,020	\$ 4,154,416	2.60%
Small Demand	\$ 174,278,918	\$ 180,852,737	\$ 6,573,819	3.77%
Seasonal	\$ 714,745	\$ 719,202	\$ 4,457	0.62%
FRWH	\$ 444,987	\$ 456,621	\$ 11,633	2.61%
<b>GS Small</b>	<b>\$ 334,950,255</b>	<b>\$ 345,694,580</b>	<b>\$ 10,744,325</b>	<b>3.21%</b>
<b>GS Medium</b>	<b>\$ 207,653,123</b>	<b>\$ 216,183,933</b>	<b>\$ 8,530,810</b>	<b>4.11%</b>
Large 750 V - 30 kV	\$ 105,498,365	\$ 109,662,848	\$ 4,164,483	3.95%
Large 30 - 100 kV	\$ 84,901,975	\$ 87,319,876	\$ 2,417,901	2.85%
Large > 100 kV	\$ 188,788,270	\$ 194,313,536	\$ 5,525,266	2.93%
<b>GS Large</b>	<b>\$ 379,188,610</b>	<b>\$ 391,296,260</b>	<b>\$ 12,107,650</b>	<b>3.19%</b>
Diesel GS & Gov.	\$ 7,570,475	\$ 7,572,292	\$ 1,817	0.02%
SEP	\$ 859,088	\$ 859,088	\$ -	0.00%
<b>General Service</b>	<b>\$ 930,221,552</b>	<b>\$ 961,614,523</b>	<b>\$ 31,392,971</b>	<b>3.37%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 25,537,757</b>	<b>\$ 26,541,135</b>	<b>\$ 1,003,378</b>	<b>3.93%</b>
DSM Reduction	\$ (33,137,511)	\$ (34,337,304)	\$ (1,199,793)	3.62%
Misc Revenue & Adjs	\$ 7,135,375	\$ 7,392,249	\$ 256,874	3.60%
<b>Domestic Revenue</b>	<b>\$ 1,617,114,464</b>	<b>\$ 1,673,757,154</b>	<b>\$ 56,642,689</b>	<b>3.50%</b>

**PROOF OF REVENUE**

**August 1, 2017 Rates vs June 1, 2018 Rates  
Impact on Fiscal Year ended March 31, 2019  
Scenario 3**

	Calculated Revenue August 1, 2017 Rates	Calculated Revenue Jun 1, 2018 Rates	Diff. in Revenue Dollars	Diff. in Revenue Percent
Basic	\$ 632,075,558	\$ 653,020,441	\$ 20,944,883	3.31%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ (0)	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ (0)	0.00%
Seasonal	\$ 7,820,199	\$ 7,955,635	\$ 135,437	1.73%
FRWH	\$ 1,076,172	\$ 1,111,355	\$ 35,183	3.27%
<b>Residential</b>	<b>\$ 687,357,292</b>	<b>\$ 708,472,794</b>	<b>\$ 21,115,503</b>	<b>3.07%</b>
Small Non-Demand	\$ 159,511,605	\$ 162,993,506	\$ 3,481,901	2.18%
Small Demand	\$ 174,278,918	\$ 179,820,368	\$ 5,541,450	3.18%
Seasonal	\$ 714,745	\$ 721,070	\$ 6,325	0.88%
FRWH	\$ 444,987	\$ 454,682	\$ 9,695	2.18%
<b>GS Small</b>	<b>\$ 334,950,255</b>	<b>\$ 343,995,070</b>	<b>\$ 9,044,816</b>	<b>2.70%</b>
<b>GS Medium</b>	<b>\$ 207,653,123</b>	<b>\$ 214,792,261</b>	<b>\$ 7,139,138</b>	<b>3.44%</b>
Large 750 V - 30 kV	\$ 105,498,365	\$ 108,990,747	\$ 3,492,382	3.31%
Large 30 - 100 kV	\$ 84,901,975	\$ 86,946,980	\$ 2,045,005	2.41%
Large > 100 kV	\$ 188,788,270	\$ 193,412,758	\$ 4,624,488	2.45%
<b>GS Large</b>	<b>\$ 379,188,610</b>	<b>\$ 389,350,485</b>	<b>\$ 10,161,875</b>	<b>2.68%</b>
Diesel GS & Gov.	\$ 7,570,475	\$ 7,571,965	\$ 1,490	0.02%
SEP	\$ 859,088	\$ 859,088	\$ -	0.00%
<b>General Service</b>	<b>\$ 930,221,552</b>	<b>\$ 956,570,463</b>	<b>\$ 26,348,911</b>	<b>2.83%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 25,537,757</b>	<b>\$ 26,373,958</b>	<b>\$ 836,202</b>	<b>3.27%</b>
DSM Reduction	\$ (33,137,511)	\$ (34,144,097)	\$ (1,006,586)	3.04%
Misc Revenue & Adjs	\$ 7,135,375	\$ 8,073,871	\$ 938,495	13.15%
<b>Domestic Revenue</b>	<b>\$ 1,617,114,464</b>	<b>\$ 1,665,339,953</b>	<b>\$ 48,225,489</b>	<b>2.98%</b>

**BILL COMPARISONS**

**AUGUST 1, 2017 RATES**

**VS**

**JUNE 1, 2018 RATES**

**IN ACCORDANCE WITH**

**BOARD ORDER 59/18**



## Bill Comparison

### Residential

Forecast Customers: 475,488

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$29.70	\$1.13	3.96%
750	\$69.55	\$72.29	\$2.74	3.94%
1 000	\$90.04	\$93.58	\$3.54	3.93%
2 000	\$172.00	\$178.76	\$6.76	3.93%
5 000	\$417.88	\$434.30	\$16.42	3.93%

### Residential Seasonal

Forecast Customers: 19,284

kWh	August 1, 2017 \$ / Summer	June 1, 2018 \$ / Summer	Difference in \$ / Summer	Percent Change
250	\$117.45	\$122.10	\$4.65	3.96%
750	\$158.43	\$164.69	\$6.26	3.95%
1 000	\$178.92	\$185.98	\$7.06	3.95%
2 000	\$260.88	\$271.16	\$10.28	3.94%
5 000	\$506.76	\$526.70	\$19.94	3.93%

### Residential Diesel

Forecast Customers: 593

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$28.57	\$0.00	0.00%
750	\$69.55	\$69.55	\$0.00	0.00%
1 000	\$90.04	\$90.04	\$0.00	0.00%
2 000	\$172.00	\$172.00	\$0.00	0.00%
5 000	\$417.88	\$417.88	\$0.00	0.00%



**Residential**  
**First Nations On-Reserve**

Forecast Customers: 17,304

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$28.57	\$0.00	0.00%
750	\$69.55	\$69.55	\$0.00	0.00%
1 000	\$90.04	\$90.04	\$0.00	0.00%
2 000	\$172.00	\$172.00	\$0.00	0.00%
5 000	\$417.88	\$417.88	\$0.00	0.00%

## Bill Comparison

### General Service Small < 50 kVA

Forecast Customers: 53,051

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$86.48	\$87.65	\$1.16	1.35%
2 000	\$194.09	\$198.67	\$4.58	2.36%
5 000	\$452.36	\$465.13	\$12.77	2.82%
10 000	\$882.81	\$909.23	\$26.42	2.99%
36 500 <sup>i</sup>	\$2,501.76	\$2,617.00	\$115.24	4.61%

### General Service Small 51 kVA

Forecast Customers: 13,271

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$842.32	\$866.91	\$24.59	2.92%
50%	\$1,443.05	\$1,498.08	\$55.03	3.81%
75%	\$1,828.14	\$1,899.98	\$71.84	3.93%
100%	\$2,195.21	\$2,282.31	\$87.10	3.97%

### General Service Small 100 kVA

Forecast Customers: 13,271

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$1,916.14	\$1,990.51	\$74.37	3.88%
50%	\$2,661.32	\$2,767.81	\$106.49	4.00%
75%	\$3,381.10	\$3,517.52	\$136.42	4.03%
100%	\$4,100.88	\$4,267.23	\$166.35	4.06%

## Bill Comparison

### General Service Seasonal

Forecast Customers: 960

kWh	August 1, 2017 \$ / Summer	June 1, 2018 \$ / Summer	Difference in \$ / Summer	Percent Change
750	\$327.49	\$318.98	(\$8.51)	-2.60%
2 000	\$435.10	\$430.00	(\$5.10)	-1.17%
5 000	\$693.37	\$696.46	\$3.09	0.45%
10 000	\$1,123.82	\$1,140.56	\$16.74	1.49%

### General Service Diesel

Forecast Customers: 117

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$86.48	\$87.65	\$1.17	1.35%
2 000	\$194.09	\$198.67	\$4.58	2.36%
5 000	\$1,472.60	\$1,477.18	\$4.58	0.31%
10 000	\$3,603.45	\$3,608.03	\$4.58	0.13%

### General Service Government and First Nation Education

Forecast Customers: 67

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$1,967.28	\$1,966.40	(\$0.88)	-0.04%
2 000	\$5,209.55	\$5,208.67	(\$0.88)	-0.02%
5 000	\$12,991.01	\$12,990.13	(\$0.88)	-0.01%
10 000	\$25,960.11	\$25,959.23	(\$0.88)	0.00%

## Bill Comparison

### General Service Medium 500 kVA

Forecast Customers: 1,947

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$8,862	\$9,227	\$365	4.12%
50%	\$12,461	\$12,975	\$514	4.12%
75%	\$16,060	\$16,724	\$664	4.13%
100%	\$19,659	\$20,472	\$813	4.14%

### General Service Medium 1 000 kVA

Forecast Customers: 1,947

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$17,511	\$18,235	\$724	4.13%
50%	\$24,709	\$25,732	\$1,023	4.14%
75%	\$31,907	\$33,229	\$1,322	4.14%
100%	\$39,105	\$40,726	\$1,621	4.15%

## Bill Comparison

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

Forecast Customers: 326

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$76,695	\$79,727	\$3,032	3.95%
50%	\$110,539	\$114,904	\$4,365	3.95%
75%	\$144,384	\$150,081	\$5,697	3.95%
100%	\$178,229	\$185,258	\$7,029	3.94%

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

Forecast Customers: 43

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$136,326	\$140,215	\$3,889	2.85%
50%	\$199,252	\$204,929	\$5,677	2.85%
75%	\$262,178	\$269,644	\$7,466	2.85%
100%	\$325,104	\$334,358	\$9,254	2.85%

### General Service Large - Over 100 kV 50 000 kVA

Forecast Customers: 14

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$631,458	\$649,900	\$18,442	2.92%
50%	\$936,415	\$963,800	\$27,385	2.92%
75%	\$1,241,373	\$1,277,700	\$36,327	2.93%
100%	\$1,546,330	\$1,591,600	\$45,270	2.93%

## Bill Comparison

### Limited Use Billing Demand - General Service Small 100 kVA

Forecast Customers: 45

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$513.89	\$528.49	\$14.60	2.84%
10%	\$870.38	\$899.95	\$29.57	3.40%
15%	\$1,226.88	\$1,271.41	\$44.53	3.63%
20%	\$1,583.37	\$1,642.87	\$59.50	3.76%

### Limited Use Billing Demand - General Service Medium 500 kVA

Forecast Customers: 19

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$2,953.59	\$3,072.11	\$118.52	4.01%
10%	\$4,736.07	\$4,929.42	\$193.35	4.08%
15%	\$6,518.54	\$6,786.72	\$268.18	4.11%
20%	\$8,301.02	\$8,644.02	\$343.00	4.13%

## Bill Comparison

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

Forecast Customers: 2

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$26,495	\$27,553	\$1,058	3.99%
10%	\$42,291	\$43,969	\$1,678	3.97%
15%	\$58,086	\$60,385	\$2,299	3.96%
20%	\$73,882	\$76,801	\$2,919	3.95%

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

Forecast Customers: 0

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$46,428	\$47,717	\$1,289	2.78%
10%	\$74,457	\$76,560	\$2,103	2.82%
15%	\$102,485	\$105,402	\$2,917	2.85%
20%	\$130,513	\$134,244	\$3,731	2.86%

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

Forecast Customers: 3

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$211,276	\$217,535	\$6,259	2.96%
10%	\$341,052	\$351,071	\$10,019	2.94%
15%	\$470,827	\$484,606	\$13,779	2.93%
20%	\$600,603	\$618,141	\$17,538	2.92%

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<sup>i</sup> Manitoba Hydro has added a bill impact for customers using 36,500 kWh per month, the theoretical maximum usage for the General Service Small Non-Demand class.



**RATE SCHEDULES**

**EFFECTIVE**

**JUNE 1, 2018**

**IN ACCORDANCE WITH**

**BOARD ORDER 59/18**



**TABLE OF CONTENTS**

	<u>Page</u>
<b>DEFINITIONS .....</b>	<b>1</b>
<b>RESIDENTIAL RATES .....</b>	<b>2</b>
Residential.....	2
Seasonal .....	3
Diesel.....	3
On-Reserve.....	4
Flat Rate Water Heating.....	5
<b>GENERAL SERVICE .....</b>	<b>6</b>
Small.....	6
Seasonal .....	8
Cooking and Heating Standard .....	9
Cooking and Heating Seasonal.....	9
Diesel.....	10
Government and First Nation Education .....	10
Medium.....	11
Large.....	12
Limited Use of Billing Demand.....	13
Flat Rate Water Heating.....	16
Short-Term Power Rate .....	17
Unmetered Services.....	17
Short-Duration, Intermittent Rate .....	18
<b>AREA AND ROADWAY LIGHTING .....</b>	<b>19</b>

## **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. 2018-01**

Basic Charge:	\$ 8.40
PLUS	
Energy Charge:	
All kWh	@ 8.518 ¢ / kWh
Minimum Bill:	\$ 8.40

Services over 200 amps will have \$8.40 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. 2018-02**

Annual Basic Charge:	\$ 100.80
PLUS	
Energy Charge:	
All kWh	@ 8.518 ¢ / kWh
Minimum Annual Bill:	\$ 100.80

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. 2018-03**

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.

**ON-RESERVE - TARIFF NO. 2018-04**

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 applies to all residential services on First Nations Reserve land.

**RESIDENTIAL**

**FLAT RATE WATER HEATING RATES**

(NOT available for new services)

<u>Element Size</u>	<u>TARIFF NO. 2018-09</u>	<u>TARIFF NO. 2018-10</u>
	<u>Controlled</u>	<u>Uncontrolled</u>
500 W	\$ 13.12	\$ 17.34
600 W	\$ 15.55	\$ 20.63
750 W	\$ 19.08	\$ 25.44
900 W	\$ 22.69	\$ 30.23
1,000 W	\$ 25.02	\$ 33.48
1,200 W	\$ 28.40	\$ 37.56
1,250 W	\$ 29.25	\$ 38.64
1,500 W	\$ 33.48	\$ 43.59
2,000 W	\$ 40.28	\$ 52.56
2,500 W	\$ 45.36	\$ 58.89
3,000 W	\$ 49.64	\$ 65.29
3,500 W	\$ 55.80	\$ 72.72
4,000 W	\$ 61.87	\$ 80.16
4,500 W	\$ 69.09	\$ 89.00
6,000 W	\$ -	\$ 115.29
1,500 / 1,000 W	\$ 26.03	\$ 34.82
2,000 / 1,000 W	\$ 26.71	\$ 35.68
3,000 / 1,000 W	\$ 27.28	\$ 36.95
2,000 / 1,500 W	\$ 36.24	\$ 48.45
3,000 / 1,500 W	\$ 37.09	\$ 49.36
4,500 / 1,500 W	\$ 38.36	\$ 51.33
3,000 / 2,000 W	\$ 44.54	\$ 59.72

**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. 2018-20**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.873 ¢ / kWh
Next 8,500 kWh	@ 6.423 ¢ / kWh
Balance of kWh	@ 4.095 ¢ / kWh
	PLUS
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.49 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge	

**SMALL THREE PHASE - TARIFF NO. 2018-21**

Basic Charge:	\$ 29.65
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.873 ¢ / kWh
Next 8,500 kWh	@ 6.423 ¢ / kWh
Balance of kWh	@ 4.095 ¢ / kWh
	PLUS
Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.49 / 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 @ 6.423 ¢ / 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. 2018-22**

Annual Basic Charge:	\$ 252.36
PLUS	
First 66,000 kWh	@ 8.873 ¢ / kWh
Balance of kWh	@ 6.423 ¢ / kWh
Minimum Annual Bill:	\$ 252.36

**SEASONAL THREE PHASE - TARIFF NO. 2018-27**

Annual Basic Charge:	\$ 355.80
PLUS	
First 66,000 kWh	@ 8.873 ¢ / kWh
Balance of kWh	@ 6.423 ¢ / kWh
Minimum Annual Bill:	\$ 355.80

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. 2018-23**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.873 ¢ / kWh
Balance of kWh	@ 6.423 ¢ / kWh
Minimum Bill:	\$ 21.03

**COOKING AND HEATING SEASONAL - TARIFF NO. 2018-24**

Annual Basic Charge:	\$ 252.36
PLUS	
Energy Charge:	
First 66,000 kWh	@ 8.873 ¢ / kWh
Balance of kWh	@ 6.423 ¢ / kWh
Minimum Annual Bill:	\$ 252.36

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. 2018-40**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	
First 2,000 kWh	@ 8.873 ¢ / kWh
Balance of kWh	@ 42.617 ¢ / kWh
Minimum Bill:	\$ 21.03

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. 2018-41**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	@ \$2.59382 / kWh
Minimum Bill:	\$ 21.03

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. 2018-30**

Basic Charge:	\$ 31.31
PLUS	
Energy Charge:	
First 11,000 kWh	@ 8.873 ¢ / kWh
Next 8,500 kWh	@ 6.423 ¢ / kWh
Balance of kWh	@ 4.095 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Billing Demand	No Charge
Balance of Billing Demand	@ \$ 10.49 / 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 17.

**GENERAL SERVICE**

(Customer-Owned Transformation)

**LARGE 750 V TO NOT EXCEEDING 30 KV - TARIFF NO. 2018-60**

Energy Charge: @ 3.855 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 8.91 / kVA  
  
Minimum Bill: Demand Charge

**LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2018-61**

Energy Charge: @ 3.546 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 7.55 / kVA  
  
Minimum Bill: Demand Charge

**LARGE EXCEEDING 100 KV - TARIFF NO. 2018-62**

Energy Charge: @ 3.440 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 6.72 / 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. 2018-50**

Basic Charge:	\$ 21.03
PLUS	
Energy Charge:	@ 10.147 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.62 / kVA
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

**LUBD SMALL THREE PHASE - TARIFF NO. 2018-51**

Basic Charge:	\$ 29.65
PLUS	
Energy Charge:	@ 10.147 ¢ / kWh
PLUS	
Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.62 / 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. 2018-52**

Basic Charge:	\$ 31.31
PLUS	
Energy Charge:	@ 10.147 ¢ / kWh
PLUS	
* Demand Charge:	
First 50 kVA of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.62 / 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. 2018-53**

Energy Charge: @ 8.995 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 2.23 / kVA  
  
Minimum Bill: Demand Charge

**LUBD LARGE 30 KV TO NOT EXCEEDING 100 KV - TARIFF NO. 2018-54**

Energy Charge: @ 7.902 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 1.89 / kVA  
  
Minimum Bill: Demand Charge

**LUBD LARGE EXCEEDING 100 KV - TARIFF NO. 2018-55**

Energy Charge: @ 7.317 ¢ / kWh  
PLUS  
\* Demand Charge: @ \$ 1.68 / 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. 2018-29**

<u>Element Size</u>	<u>Uncontrolled</u>
500 W	\$ 18.22
600 W	\$ 21.79
750 W	\$ 27.19
1,000 W	\$ 36.56
1,200 W	\$ 43.74
1,500 W	\$ 54.41
2,000 W	\$ 68.22
2,500 W	\$ 82.03
3,000 W	\$ 95.45
3,500 W	\$ 108.87
3,800 W	\$ 120.33
4,000 W	\$ 122.29
4,500 W	\$ 135.72
5,000 W	\$ 149.13
6,000 W	\$ 175.99
6,500 W	\$ 194.85
7,000 W	\$ 202.80
7,500 W	\$ 222.45
8,000 W	\$ 229.64
9,000 W	\$ 256.45
10,000 W	\$ 283.33
10,500 W	\$ 296.80
12,000 W	\$ 337.03
12,500 W	\$ 350.45
13,000 W	\$ 363.89
13,500 W	\$ 377.15
14,500 W	\$ 404.00
15,000 W	\$ 417.54
16,000 W	\$ 444.38
16,500 W	\$ 470.92
18,000 W	\$ 498.13
19,000 W	\$ 539.86
20,000 W	\$ 551.78
23,000 W	\$ 650.32
24,000 W	\$ 677.98
25,000 W	\$ 685.90
3,000 / 1,000 W	\$ 44.54
2,000 / 1,500 W	\$ 56.39
3,000 / 1,500 W	\$ 57.02
4,500 / 1,500 W	\$ 58.41

## **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. 2018-20 or 2018-21:**

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. 2018-80:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
200 F	-	\$ 11.46
20 CF	-	\$ 2.45
100 I	\$ 5.27	\$ 11.46
150 I	-	\$ 11.46
300 I	-	\$ 16.34
500 I	\$ 13.80	\$ 22.51
400 MH	-	\$ 27.44
175 MV	\$ 10.21	\$ 16.34
250 MV	\$ 11.68	\$ 18.50
400 MV	\$ 16.02	\$ 22.13
70 HPS	\$ 8.77	\$ 14.40
70 HPS 24 hours	-	\$ 16.19
100 HPS	\$ 9.10	\$ 15.19
150 HPS	\$ 11.16	\$ 17.16
250 HPS	\$ 14.22	\$ 19.78
400 HPS	\$ 16.32	\$ 27.44
400 HPS 2/100'	-	\$ 42.41
400 HPS 4/100'	-	\$ 31.15
750 HPS	\$ 25.30	\$ 40.11
1 000 HPS	-	\$ 46.54
1 000 HPS 1/60'	-	\$ 47.61
1 000 HPS 2/100'	-	\$ 57.06
1 000 HPS 4/100'	-	\$ 48.93

**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. 2018-80*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
10 LED (1 – 30 W)	-	\$ 2.23
40 LED (> 30 – 50 W)	\$ 7.55	\$ 13.17
40 LED 24 hr (> 30 – 50 W)	-	\$ 14.96
60 LED (> 50 – 80 W)	\$ 7.70	\$ 13.78
90 LED (> 80 – 120 W)	\$ 9.22	\$ 15.22
150 LED (> 120 – 180 W)	\$ 10.97	\$ 16.54
150 LED 2/100' (>120 – 180)	-	\$ 26.76
150 LED 4/100' (>120 – 180)	-	\$ 18.67
250 LED (> 180 – 280 W)	\$ 11.13	\$ 22.25
250 LED 2/100' (> 180 – 280 W)	-	\$ 37.22
250 LED 4/100' (> 180 – 280 W)	-	\$ 25.96

**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. 2018-81*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
100 I	\$ 5.98	-
150 I	\$ 5.98	\$ 12.39
300 I	\$ 10.89	-
500 I	\$ 14.66	\$ 24.01
250 MV	\$ 13.50	\$ 19.76
400 MV	\$ 16.50	\$ 22.16
500 Q	\$ 22.69	\$ 28.75

**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. 2018-82*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
70 HPS	\$ 8.77	\$ 14.40
100 HPS	\$ 9.10	\$ 15.19
150 HPS	\$ 11.16	\$ 17.16
250 HPS	\$ 14.22	\$ 19.78
<hr/>		
40 LED (> 30 – 50 W)	\$ 7.55	\$ 13.17
60 LED (> 50 – 80 W)	\$ 7.70	\$ 13.78
90 LED (> 80 – 120 W)	\$ 9.22	\$ 15.20
150 LED (> 120 – 180 W)	\$ 10.97	\$ 16.54
250 LED (> 180 – 280 W)	\$ 11.13	\$ 22.25

**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. 2018-83*:**

Watts	Rate Per Month	
	Flat Rate (Energy and Rental)	Metered (Rental Only)
100 HPS	\$ 11.29	\$ 7.78
150 HPS	\$ 14.96	\$ 10.62
175 MV	\$ 11.65	\$ 7.78
400 MV	\$ 19.28	\$ 10.62
60 LED	\$ 9.88	\$ 7.78
90 LED	\$ 13.01	\$ 10.62

**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. 2018-85***

Connected load @ \$1.005/kW per night of scheduled use:

Minimum Monthly Bill: \$ 20.54

**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.

**PROOF OF REVENUE****August 1, 2017 Rates vs June 1, 2018 Rates****Annualized for year ended March 31, 2019****Scenario 4**

	Calculated Revenue August 1, 2017 Rates	Calculated Revenue Jun 1, 2018 Rates	Diff. in Revenue Dollars	Diff. in Revenue Percent
Basic	\$ 632,075,558	\$ 656,922,976	\$ 24,847,418	3.93%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ (0)	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ -	0.00%
Seasonal	\$ 7,820,199	\$ 8,128,009	\$ 307,810	3.94%
FRWH	\$ 1,076,172	\$ 1,118,573	\$ 42,401	3.94%
<b>Residential</b>	<b>\$ 687,357,292</b>	<b>\$ 712,554,920</b>	<b>\$ 25,197,629</b>	<b>3.67%</b>
Small Non-Demand	\$ 159,511,605	\$ 163,680,640	\$ 4,169,035	2.61%
Small Demand	\$ 174,278,918	\$ 181,117,928	\$ 6,839,010	3.92%
Seasonal	\$ 714,745	\$ 718,719	\$ 3,975	0.56%
FRWH	\$ 444,987	\$ 456,621	\$ 11,633	2.61%
<b>GS Small</b>	<b>\$ 334,950,255</b>	<b>\$ 345,973,908</b>	<b>\$ 11,023,653</b>	<b>3.29%</b>
<b>GS Medium</b>	<b>\$ 207,653,123</b>	<b>\$ 215,817,082</b>	<b>\$ 8,163,959</b>	<b>3.93%</b>
Large 750 V - 30 kV	\$ 105,498,365	\$ 109,662,848	\$ 4,164,483	3.95%
Large 30 - 100 kV	\$ 84,901,975	\$ 87,319,876	\$ 2,417,901	2.85%
Large > 100 kV	\$ 188,788,270	\$ 194,313,536	\$ 5,525,266	2.93%
<b>GS Large</b>	<b>\$ 379,188,610</b>	<b>\$ 391,296,260</b>	<b>\$ 12,107,650</b>	<b>3.19%</b>
Diesel GS & Gov.	\$ 7,570,475	\$ 7,572,167	\$ 1,692	0.02%
SEP	\$ 859,088	\$ 859,088	\$ -	0.00%
<b>General Service</b>	<b>\$ 930,221,552</b>	<b>\$ 961,518,506</b>	<b>\$ 31,296,954</b>	<b>3.36%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 25,537,757</b>	<b>\$ 26,541,135</b>	<b>\$ 1,003,378</b>	<b>3.93%</b>
DSM Reduction	\$ (33,137,511)	\$ (34,337,304)	\$ (1,199,793)	3.62%
Misc Revenue & Adjs	\$ 7,135,375	\$ 7,392,249	\$ 256,874	3.60%
<b>Domestic Revenue</b>	<b>\$ 1,617,114,464</b>	<b>\$ 1,673,669,506</b>	<b>\$ 56,555,042</b>	<b>3.50%</b>

**PROOF OF REVENUE**

**August 1, 2017 Rates vs June 1, 2018 Rates  
Impact on Fiscal Year ended March 31, 2019  
Scenario 4**

	Calculated Revenue August 1, 2017 Rates	Calculated Revenue Jun 1, 2018 Rates	Diff. in Revenue Dollars	Diff. in Revenue Percent
Basic	\$ 632,075,558	\$ 653,020,441	\$ 20,944,883	3.31%
Residential on Reserve	\$ 45,596,015	\$ 45,596,015	\$ (0)	0.00%
Diesel	\$ 789,348	\$ 789,348	\$ (0)	0.00%
Seasonal	\$ 7,820,199	\$ 7,955,635	\$ 135,437	1.73%
FRWH	\$ 1,076,172	\$ 1,111,355	\$ 35,183	3.27%
<b>Residential</b>	<b>\$ 687,357,292</b>	<b>\$ 708,472,794</b>	<b>\$ 21,115,503</b>	<b>3.07%</b>
Small Non-Demand	\$ 159,511,605	\$ 163,005,759	\$ 3,494,154	2.19%
Small Demand	\$ 174,278,918	\$ 180,043,913	\$ 5,764,995	3.31%
Seasonal	\$ 714,745	\$ 720,694	\$ 5,949	0.83%
FRWH	\$ 444,987	\$ 454,682	\$ 9,695	2.18%
<b>GS Small</b>	<b>\$ 334,950,255</b>	<b>\$ 344,225,048</b>	<b>\$ 9,274,793</b>	<b>2.77%</b>
<b>GS Medium</b>	<b>\$ 207,653,123</b>	<b>\$ 214,485,256</b>	<b>\$ 6,832,133</b>	<b>3.29%</b>
Large 750 V - 30 kV	\$ 105,498,365	\$ 108,990,747	\$ 3,492,382	3.31%
Large 30 - 100 kV	\$ 84,901,975	\$ 86,946,980	\$ 2,045,005	2.41%
Large > 100 kV	\$ 188,788,270	\$ 193,412,758	\$ 4,624,488	2.45%
<b>GS Large</b>	<b>\$ 379,188,610</b>	<b>\$ 389,350,485</b>	<b>\$ 10,161,875</b>	<b>2.68%</b>
Diesel GS & Gov.	\$ 7,570,475	\$ 7,571,863	\$ 1,388	0.02%
SEP	\$ 859,088	\$ 859,088	\$ -	0.00%
<b>General Service</b>	<b>\$ 930,221,552</b>	<b>\$ 956,491,741</b>	<b>\$ 26,270,189</b>	<b>2.82%</b>
<b>Area &amp; Roadway Lighting</b>	<b>\$ 25,537,757</b>	<b>\$ 26,373,958</b>	<b>\$ 836,202</b>	<b>3.27%</b>
DSM Reduction	\$ (33,137,511)	\$ (34,144,097)	\$ (1,006,586)	3.04%
Misc Revenue & Adjs	\$ 7,135,375	\$ 8,073,871	\$ 938,495	13.15%
<b>Domestic Revenue</b>	<b>\$ 1,617,114,464</b>	<b>\$ 1,665,268,267</b>	<b>\$ 48,153,803</b>	<b>2.98%</b>

**BILL COMPARISONS**

**AUGUST 1, 2017 RATES**

**VS**

**JUNE 1, 2018 RATES**

**IN ACCORDANCE WITH**

**BOARD ORDER 59/18**



## Bill Comparison

### Residential

Forecast Customers: 475,488

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$29.70	\$1.13	3.96%
750	\$69.55	\$72.29	\$2.74	3.94%
1 000	\$90.04	\$93.58	\$3.54	3.93%
2 000	\$172.00	\$178.76	\$6.76	3.93%
5 000	\$417.88	\$434.30	\$16.42	3.93%

### Residential Seasonal

Forecast Customers: 19,284

kWh	August 1, 2017 \$ / Summer	June 1, 2018 \$ / Summer	Difference in \$ / Summer	Percent Change
250	\$117.45	\$122.10	\$4.65	3.96%
750	\$158.43	\$164.69	\$6.26	3.95%
1 000	\$178.92	\$185.98	\$7.06	3.95%
2 000	\$260.88	\$271.16	\$10.28	3.94%
5 000	\$506.76	\$526.70	\$19.94	3.93%

### Residential Diesel

Forecast Customers: 593

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$28.57	\$0.00	0.00%
750	\$69.55	\$69.55	\$0.00	0.00%
1 000	\$90.04	\$90.04	\$0.00	0.00%
2 000	\$172.00	\$172.00	\$0.00	0.00%
5 000	\$417.88	\$417.88	\$0.00	0.00%

**Residential**  
**First Nations On-Reserve**

Forecast Customers: 17,304

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
250	\$28.57	\$28.57	\$0.00	0.00%
750	\$69.55	\$69.55	\$0.00	0.00%
1 000	\$90.04	\$90.04	\$0.00	0.00%
2 000	\$172.00	\$172.00	\$0.00	0.00%
5 000	\$417.88	\$417.88	\$0.00	0.00%



## Bill Comparison

### General Service Small < 50 kVA

Forecast Customers: 53,051

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$86.48	\$87.58	\$1.10	1.27%
2 000	\$194.09	\$198.49	\$4.40	2.27%
5 000	\$452.36	\$464.68	\$12.32	2.72%
10 000	\$882.81	\$908.33	\$25.52	2.89%
36 500 <sup>i</sup>	\$2,501.76	\$2,643.55	\$141.79	5.67%

### General Service Small 51 kVA

Forecast Customers: 13,271

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$842.32	\$866.04	\$23.72	2.82%
50%	\$1,443.05	\$1,505.28	\$62.23	4.31%
75%	\$1,828.14	\$1,907.05	\$78.91	4.32%
100%	\$2,195.21	\$2,288.17	\$92.96	4.23%

### General Service Small 100 kVA

Forecast Customers: 13,271

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$1,916.14	\$1,995.85	\$79.71	4.16%
50%	\$2,661.32	\$2,772.29	\$110.97	4.17%
75%	\$3,381.10	\$3,519.62	\$138.52	4.10%
100%	\$4,100.88	\$4,266.96	\$166.08	4.05%

## Bill Comparison

### General Service Seasonal

Forecast Customers: 960

kWh	August 1, 2017 \$ / Summer	June 1, 2018 \$ / Summer	Difference in \$ / Summer	Percent Change
750	\$327.49	\$318.91	(\$8.58)	-2.62%
2 000	\$435.10	\$429.82	(\$5.28)	-1.21%
5 000	\$693.37	\$696.01	\$2.64	0.38%
10 000	\$1,123.82	\$1,139.66	\$15.84	1.41%

### General Service Diesel

Forecast Customers: 117

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$86.48	\$87.58	\$1.10	1.27%
2 000	\$194.09	\$198.49	\$4.40	2.27%
5 000	\$1,472.60	\$1,477.00	\$4.40	0.30%
10 000	\$3,603.45	\$3,607.85	\$4.40	0.12%

### General Service Government and First Nation Education

Forecast Customers: 67

kWh	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
750	\$1,967.28	\$1,966.40	(\$0.88)	-0.04%
2 000	\$5,209.55	\$5,208.67	(\$0.88)	-0.02%
5 000	\$12,991.01	\$12,990.13	(\$0.88)	-0.01%
10 000	\$25,960.11	\$25,959.23	(\$0.88)	0.00%

## Bill Comparison

### General Service Medium 500 kVA

Forecast Customers: 1,947

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$8,862	\$9,212	\$350	3.95%
50%	\$12,461	\$12,949	\$488	3.92%
75%	\$16,060	\$16,685	\$625	3.89%
100%	\$19,659	\$20,422	\$763	3.88%

### General Service Medium 1 000 kVA

Forecast Customers: 1,947

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$17,511	\$18,194	\$683	3.90%
50%	\$24,709	\$25,667	\$958	3.88%
75%	\$31,907	\$33,140	\$1,233	3.86%
100%	\$39,105	\$40,614	\$1,509	3.86%

## Bill Comparison

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

Forecast Customers: 326

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$76,695	\$79,727	\$3,032	3.95%
50%	\$110,539	\$114,904	\$4,365	3.95%
75%	\$144,384	\$150,081	\$5,697	3.95%
100%	\$178,229	\$185,258	\$7,029	3.94%

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

Forecast Customers: 43

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$136,326	\$140,215	\$3,889	2.85%
50%	\$199,252	\$204,929	\$5,677	2.85%
75%	\$262,178	\$269,644	\$7,466	2.85%
100%	\$325,104	\$334,358	\$9,254	2.85%

### General Service Large - Over 100 kV 50 000 kVA

Forecast Customers: 14

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
25%	\$631,458	\$649,900	\$18,442	2.92%
50%	\$936,415	\$963,800	\$27,385	2.92%
75%	\$1,241,373	\$1,277,700	\$36,327	2.93%
100%	\$1,546,330	\$1,591,600	\$45,270	2.93%

## Bill Comparison

### Limited Use Billing Demand - General Service Small 100 kVA

Forecast Customers: 45

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$513.89	\$527.40	\$13.51	2.63%
10%	\$870.38	\$897.76	\$27.38	3.15%
15%	\$1,226.88	\$1,268.13	\$41.25	3.36%
20%	\$1,583.37	\$1,638.49	\$55.12	3.48%

### Limited Use Billing Demand - General Service Medium 500 kVA

Forecast Customers: 19

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$2,953.59	\$3,063.26	\$109.67	3.71%
10%	\$4,736.07	\$4,915.09	\$179.02	3.78%
15%	\$6,518.54	\$6,766.92	\$248.38	3.81%
20%	\$8,301.02	\$8,618.75	\$317.73	3.83%

## Bill Comparison

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

Forecast Customers: 2

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$26,495	\$27,553	\$1,058	3.99%
10%	\$42,291	\$43,969	\$1,678	3.97%
15%	\$58,086	\$60,385	\$2,299	3.96%
20%	\$73,882	\$76,801	\$2,919	3.95%

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

Forecast Customers: 0

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$46,428	\$47,717	\$1,289	2.78%
10%	\$74,457	\$76,560	\$2,103	2.82%
15%	\$102,485	\$105,402	\$2,917	2.85%
20%	\$130,513	\$134,244	\$3,731	2.86%

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

Forecast Customers: 3

Load Factor	August 1, 2017 \$ / Month	June 1, 2018 \$ / Month	Difference in \$ / Month	Percent Change
5%	\$211,276	\$217,535	\$6,259	2.96%
10%	\$341,052	\$351,071	\$10,019	2.94%
15%	\$470,827	\$484,606	\$13,779	2.93%
20%	\$600,603	\$618,141	\$17,538	2.92%

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<sup>i</sup> Manitoba Hydro has added a bill impact for customers using 36,500 kWh per month, the theoretical maximum usage for the General Service Small Non-Demand class.