

**MANITOBA**  
**THE PUBLIC UTILITIES BOARD ACT**  
**THE MANITOBA HYDRO ACT**  
**THE CROWN CORPORATIONS PUBLIC**  
**REVIEW AND ACCOUNTABILITY ACT**

**Board Order 103/04**

**July 30, 2004**

Before: G. Lane C.A., Chair  
R. Mayer Q.C., Vice-Chair  
L. Evans, Member

**APPLICATION FOR APPROVAL OF RATES FLOWING**  
**FROM BOARD ORDER NO. 101/04**

The Public Utilities Board (the Board) issued Order No. 101/04 dated July 28, 2004 instructing Manitoba Hydro to file revised rates reflecting a 5% increase for all customer classes.

On July 29, 2004, Manitoba Hydro made application for revised rates flowing from Board Order 101/04. The filing included Rate Schedules (Appendix 1 to this Order), Proof of Revenue (Appendix 2 to this Order), and Bill Comparisons (Appendix 3 to this Order). A copy of the filing was circulated to all Intervenors of Record.

The Board has reviewed Manitoba Hydro's application and is satisfied that the proposed rates are consistent with Order No. 101/04, and will approve the rate schedules attached hereto as of August 1, 2004.

**IT IS THEREFORE ORDERED THAT:**

1. The Rate Schedules attached as Appendix 1 to this Order are hereby approved effective August 1, 2004.

THE PUBLIC UTILITIES BOARD

"Graham F. J. Lane, C. A."

Chairman

"G. O. Barron"

Secretary

Certified a true copy of  
Board Order 103/04 issued by  
The Public Utilities Board

Secretary

**APPENDIX 2**

**RATE SCHEDULES**

**FOR RATES**

**EFFECTIVE**

**AUGUST 1, 2004**

# TABLE OF CONTENTS

<b>DEFINITIONS .....</b>	<b>1</b>
<b>RESIDENTIAL</b>	
RESIDENTIAL.....	3
SEASONAL.....	4
DIESEL.....	4
FLAT RATE WATER HEATING .....	5
<b>GENERAL SERVICE</b>	
SMALL.....	6
COOKING AND HEATING.....	8
SEASONAL.....	9
DIESEL.....	10
MEDIUM.....	11
LARGE .....	12
LIMITED USE OF BILLING DEMAND RATE OPTION.....	13
FLAT RATE WATER HEATING .....	16
SHORT TERM POWER .....	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 charge that helps defray those costs that do 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 kV.A)
  - i. measured demand; OR
  - ii. 70% of the highest measured demand in the Billing Year for the months of December, January, February; OR
  - iii. 25 % of contract demand; OR
  - iv. 25% 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) “Billing Year”: twelve monthly billing periods commencing with the month of December and ending the following November.
  
- e) “Demand”: the maximum use of power within a specified period of time.
  
- f) “Demand Charge”: that portion of the charge for electric service based upon the electric capacity (kV.A) consumed and billed on the basis of the billing demand under an applicable rate schedule.
  
- g) “Energy”: power integrated over time and measured or expressed in kilowatt-hours (kW.h).
  
- h) “Energy Charge”: that portion of the charge for electric service based upon the electric energy (kW.h) consumed or billed.
  
- i) “Kilo-Volt Amperes (kV.A)”: 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.

- j) “Kilowatt Hour (kW.h)”: the basic unit of electric energy equal to one kilowatt of power supplied to or taken from an electric circuit steadily for one hour.
- k) “Measured Demand”: the highest demand recorded in the Billing Month.
- l) “Power Factor”: is the ratio of real power (kW) to apparent power (kV.A) for any given load and time. Generally it is expressed as a percentage ratio.
- m) “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. 2004-01***

Basic Charge:	\$ 6.25
PLUS	
First 175 kW.h	@ 5.780 ¢ / kW.h
Balance of kW.h	@ 5.496 ¢ / kW.h
Minimum Bill:	\$ 6.25

Services over 200 amps will have \$6.25 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 kV.A;
  - 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;
    - individual residential services within a trailer park established prior to 1969 05 01.

## RESIDENTIAL RATES

### **SEASONAL - TARIFF NO. 2004-02**

Annual Basic Charge:	\$ 75.00
PLUS	
First 1 050 kW.h	@ 5.780 ¢ / kW.h
Balance of kW.h	@ 5.496 ¢ / kW.h
 Minimum Annual Bill:	 \$ 75.00

The account is billed twice a year, April and October, each for a 6-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.

#### Applicability:

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

### **DIESEL - TARIFF NO. 2004-03(2)**

Basic Charge:	\$ 6.25
PLUS	
First 175 kW.h	@ 5.780 ¢ / kW.h
Next 1 825 kW.h	@ 5.496 ¢ / kW.h
Balance of kW.h	@ 79.10 ¢ / kW.h
 Minimum Bill:	 \$ 6.25

#### Applicability:

To all residential services in the Diesel Communities, provided the service capacity does not exceeding 60 A, 120/240 V, single phase.



**RESIDENTIAL**

**FLAT RATE WATER HEATING RATES**

(NOT available for new services)

<u>Element Size</u>	<u>TARIFF NO. 2004-09</u>	<u>TARIFF NO. 2004-10</u>
	<u>Controlled</u>	<u>UnControlled</u>
500 W	\$ 8.52	\$ 11.26
600 W	\$ 10.08	\$ 13.35
750 W	\$ 12.36	\$ 16.47
900 W	\$ 14.67	\$ 19.61
1 000 W	\$ 16.21	\$ 21.70
1 200 W	\$ 18.42	\$ 24.35
1 250 W	\$ 18.95	\$ 25.01
1 500 W	\$ 21.70	\$ 28.28
2 000 W	\$ 26.10	\$ 34.04
2 500 W	\$ 29.39	\$ 38.16
3 000 W	\$ 32.16	\$ 42.30
3 500 W	\$ 36.16	\$ 47.12
4 000 W	\$ 40.10	\$ 51.92
4 500 W	\$ 44.78	\$ 57.67
6 000 W	\$ -	\$ 74.69
1500 / 1000 W	\$ 16.89	\$ 22.56
2000 / 1000 W	\$ 17.29	\$ 23.12
3000 / 1000 W	\$ 17.67	\$ 23.91
2000 / 1500 W	\$ 23.51	\$ 31.37
3000 / 1500 W	\$ 24.03	\$ 32.03
4500 / 1500 W	\$ 24.84	\$ 33.24
3000 / 2000 W	\$ 28.88	\$ 38.71

Applicability: Only available for services continuously energized since 1969 11 11.

**GENERAL SERVICE**  
**0 TO NOT EXCEEDING 200 kV.A**

(Utility-Owned Transformation)

**SMALL SINGLE PHASE - *TARIFF NO. 2004-20***

Basic Charge:	\$ 15.75
PLUS	
Energy Charge:	
First 11 090 kW.h	@ 5.860 ¢ / kW.h
Next 8 500 kW.h	@ 3.850 ¢ / kW.h
Balance of kW.h	@ 2.339 ¢ / kW.h
PLUS	
Demand Charge:	
First 50 kV.A of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 8.32 / kV.A
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

**SMALL THREE PHASE - *TARIFF NO. 2004-21***

Basic Charge:	\$ 21.90
PLUS	
Energy Charge:	
First 11 090 kW.h	@ 5.860 ¢ / kW.h
Next 8 500 kW.h	@ 3.850 ¢ / kW.h
Balance of kW.h	@ 2.339 ¢ / kW.h
PLUS	
Demand Charge:	
First 50 kV.A of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 8.32 / kV.A
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

Accounts where the Monthly Billing Demand is 50 kV.A or less within the past 12 month period, ALL energy in excess of 11,090 kW.h will be charged @ 3.850 ¢ / kW.h.

Primary metering of multiple Utility-Owned transformation services has an additional 2% added to the kV.A 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 kV.A to not exceeding 200 kV.A ; 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;
  - 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 kV.A to not exceeding 200 kV.A.

**GENERAL SERVICE**  
**0 TO NOT EXCEEDING 200 kV.A**

(Utility-Owned Transformation)

**COOKING AND HEATING STANDARD - *TARIFF NO. 2004-23***

Basic Charge:	\$ 15.75
PLUS	
Energy Charge:	
First 11 090 kW.h	@ 5.860 ¢ / kW.h
Balance of kW.h	@ 3.850 ¢ / kW.h
Minimum Bill:	\$ 15.75

**COOKING AND HEATING SEASONAL - *TARIFF NO. 2004-24***

Annual Basic Charge:	\$ 189.00
PLUS	
Energy Charge:	
First 66 540 kW.h	@ 5.860 ¢ / kW.h
Balance of kW.h	@ 3.850 ¢ / kW.h
Minimum Bill:	\$ 189.00

Seasonal Cooking and Heating accounts are billed twice a year, April and October, each for a 6-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 1976 04 01 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**  
**0 TO NOT EXCEEDING 50 kV.A**

(Utility-Owned Transformation)

**SEASONAL - *TARIFF NO. 2004-22***

Annual Basic Charge:	\$ 189.00
PLUS	
First 66 540 kW.h	@ 5.860 ¢ / kW.h
Balance of kW.h	@ 3.850¢ / kW.h
Minimum Annual Bill:	\$ 189.00

The account is billed twice a year, April and October, each for a 6-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 kV.A;
- b) usage is of an intermittent or casual nature; and
- c) consumption is primarily summer time and usage is limited in the winter.
- d) business load is greater than 3 kW in a residence.

**GENERAL SERVICE**

**DIESEL - TARIFF NO. 2004-40(2)**

Basic Charge:	\$ 15.75
PLUS	
Energy Charge:	
First 2 000 kW.h	@ 5.860 ¢ / kW.h
Balance of kW.h	@ 79.10 ¢ / kW.h
Minimum Bill:	\$ 15.75

**GOVERNMENT - TARIFF NO. 2004-41(2)**

Basic Charge:	\$ 18.05
PLUS	
Energy Charge:	@ \$2.349 / kW.h
Minimum Bill:	\$ 18.05

A surcharge of \$1.558 / kW.h is included in the Government Tariff which applies to all Federal and Provincial Departments, Agencies and Crown Corporations' including accounts of First Nations Governments.

Applicability:

The Diesel and Government rates apply to all general services in Diesel Communities and those Residential services exceeding 60 A, 120/240 V, single phase.

**GENERAL SERVICE**

**EXCEEDING 200 kV.A**

(Utility-Owned transformation)

**MEDIUM - *TARIFF NO. 2004-30***

Basic Charge:	\$ 27.65
PLUS	
Energy Charge:	@ 2.339 ¢ / kW.h
PLUS	
* Demand Charge:	@ \$ 8.32 / kV.A
Minimum Bill:	
Demand Charge PLUS Basic Charge	

**Monthly Billing Demand \***

The greatest of the following (expressed in kV.A):

- a) measured demand; OR
- b) 70% of the highest measured demand in the Billing Year for the months of December, January, February; OR
- c) 25 % of contract demand; OR
- d) 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 kV.A 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 kV.A 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. 2004-60***

Energy Charge: @ 2.196 ¢ / kW.h  
PLUS  
\* Demand Charge: @ \$ 7.089 / kV.A  
  
Minimum Bill: Demand Charge

**LARGE 30 KV TO NOT EXCEEDING 100 KV - *TARIFF NO. 2004-61***

Energy Charge: @ 2.138 ¢ / kW.h  
PLUS  
\* Demand Charge: @ \$ 6.051 / kV.A  
  
Minimum Bill: Demand Charge

**LARGE EXCEEDING 100 KV - *TARIFF NO. 2004-62***

Energy Charge: @ 2.119 ¢ / kW.h  
PLUS  
\* Demand Charge: @ \$ 5.401 / kV.A  
  
Minimum Bill: Demand Charge

**Monthly Billing Demand \***

The greatest of the following (expressed in kV.A):

- a) measured demand; OR
- b) 70% of the highest measured demand in the Billing Year for the months of December, January, February; OR
- c) 25 % of contract demand; OR
- d) 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, sub-transmission 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. For further details see page 17.



**GENERAL SERVICE LIMITED USE OF BILLING DEMAND RATE OPTION**

**0 TO NOT EXCEEDING 200 kV.A**

(Utility-Owned Transformation)

**SMALL SINGLE PHASE - *TARIFF NO. 2004-50***

Basic Charge:	\$ 15.75
PLUS	
Energy Charge:	@ 7.140¢ / kW.h
PLUS	
Demand Charge:	
First 50 kV.A of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.08 / kV.A
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

**SMALL THREE PHASE - *TARIFF NO. 2004-51***

Basic Charge:	\$ 21.90
PLUS	
Energy Charge:	@ 7.140¢ / kW.h
PLUS	
Demand Charge:	
First 50 kV.A of Monthly Recorded Demand	No Charge
Balance of Recorded Demand	@ \$ 2.08 / kV.A
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

Primary metering of multiple Utility-Owned transformation services has an additional 2% added to the kV.A 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 36 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 kV.A**

(Utility-Owned Transformation)

**MEDIUM - *TARIFF NO. 2004-52***

Basic Charge:	\$ 27.65
PLUS	
Energy Charge:	@ 7.140 ¢ / kW.h
PLUS	
* Demand Charge:	@ \$ 2.08 / kV.A
Minimum Bill:	
Demand Charge PLUS Basic Charge:	

**Monthly Billing Demand \***

The greatest of the following (expressed in kV.A):

- a) measured demand; OR
- b) 70% of the highest measured demand in the Billing Year for the months of December, January, February; OR
- c) 25 % of contract demand; OR
- d) 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 kV.A 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 36 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)

**LARGE 750 V TO NOT EXCEEDING 30 KV - *TARIFF NO. 2004-53***

Energy Charge: @ 6.29 ¢ / kW.h  
PLUS  
\* Demand Charge: @ \$ 1.77 / kV.A

Minimum Bill: Demand Charge

**LARGE 30 KV TO NOT EXCEEDING 100 KV - *TARIFF NO. 2004-54***

Energy Charge: @ 5.59 ¢ / kW.h  
PLUS  
\* Demand Charge: @ \$ 1.56 / kV.A

Minimum Bill: Demand Charge

**LARGE EXCEEDING 100 KV - *TARIFF NO. 2004-55***

Energy Charge: @ 5.19 ¢ / kW.h  
PLUS  
\* Demand Charge: @ \$ 1.41 / kV.A

Minimum Bill: Demand Charge

**Monthly Billing Demand \***

The greatest of the following (expressed in kV.A):

- a) measured demand; OR
- b) 70% of the highest measured demand in the Billing Year for the months of December, January, February; OR
- c) 25 % of contract demand; OR
- d) 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 36 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. 2004-29**

<u>Element Size</u>	<u>UnControlled</u>
500 W	\$ 11.98
600 W	\$ 14.33
750 W	\$ 17.85
1 000 W	\$ 24.00
1 200 W	\$ 28.69
1 500 W	\$ 35.73
2 000 W	\$ 44.80
2 500 W	\$ 53.88
3 000 W	\$ 62.70
3 500 W	\$ 71.50
3 800 W	\$ 79.01
4 000 W	\$ 80.32
4 500 W	\$ 89.14
5 000 W	\$ 97.95
6 000 W	\$ 115.57
6 500 W	\$ 127.96
7 000 W	\$ 133.21
7 500 W	\$ 146.09
8 000 W	\$ 150.83
9 000 W	\$ 168.45
10 000 W	\$ 186.08
10 500 W	\$ 194.90
12 000 W	\$ 221.34
12 500 W	\$ 230.16
13 000 W	\$ 238.96
13 500 W	\$ 247.72
14 500 W	\$ 265.35
15 000 W	\$ 274.22
16 000 W	\$ 291.85
16 500 W	\$ 309.26
18 000 W	\$ 327.10
19 000 W	\$ 354.59
20 000 W	\$ 362.35
23 000 W	\$ 427.10
24 000 W	\$ 445.24
25 000 W	\$ 450.48
3000 / 1000 W	\$ 29.26
2000 / 1500 W	\$ 37.05
3000 / 1500 W	\$ 37.48
4500 / 1500 W	\$ 38.34

## 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 kV.A 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 Large or Medium rate.

Services must be totally disconnected from 00:00 hours, December 1 to 24:00 hours, February 28/29.

Service must be taken for a minimum of four months, normally consecutively, during the period March 1 to November 30.

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. 2004-20 or 2004-21:***

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 1980 04 01 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 Florescent

CF Compact Florescent

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 NOT available for new installations)

### OUTDOOR LIGHTING RATE - *TARIFF NO. 2004-80*:

Watts	Rate Per Month	
	Shared	Exclusive
200 F	-	\$ 8.72
20 CF	-	\$ 1.87
100 I	\$ 4.02	\$ 8.72
150 I	-	\$ 8.72
300 I	-	\$ 12.44
500 I	\$ 10.52	\$ 17.15
400 MH	-	\$ 20.90
175 MV	\$ 7.77	\$ 12.44
250 MV	\$ 8.90	\$ 14.09
400 MV	\$ 12.21	\$ 16.86
70 HPS	\$ 6.69	\$ 10.97
70 HPS 24 hours	-	\$ 12.33
100 HPS	\$ 6.93	\$ 11.58
150 HPS	\$ 8.50	\$ 13.07
250 HPS	\$ 10.83	\$ 15.06
400 HPS	\$ 12.43	\$ 20.90
400 HPS 2/100'	-	\$ 32.31
400 HPS 4/100'	-	\$ 23.73
750 HPS	\$ 19.26	\$ 30.56
1 000 HPS	-	\$ 35.44
1 000 HPS 1/60'	-	\$ 36.26
1 000 HPS 2/100'	-	\$ 43.47
1 000 HPS 4/100'	-	\$ 37.28

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. 2004-81*:**

Watts	Rate Per Month	
	Shared Pole/Luminaire	Exclusive Pole/Luminaire
100 I	\$ 4.56	-
150 I	\$ 4.56	\$ 9.45
300 I	\$ 8.30	-
500 I	\$ 11.17	\$ 18.29
250 MV	\$ 10.29	\$ 15.04
400 MV	\$ 12.58	\$ 16.89
500 Q	\$ 17.27	\$ 21.90

**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 luminaries.

**AREA AND ROADWAY LIGHTING**

**SEASONAL RATE - *TARIFF NO. 2004-82:***

<b>Watts</b>	<b>Rate Per Month</b>	
	<b>Shared Pole/Luminaire</b>	<b>Exclusive Pole/Luminaire</b>
70 HPS	\$ 6.69	\$ 10.97
100 HPS	\$ 6.93	\$ 11.58
150 HPS	\$ 8.50	\$ 13.07
250 HPS	\$ 10.83	\$ 15.06

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. 2004-83*:**

Watts	Rate Per Month	
	Flat Rate (Energy and Rental)	Metered (Rental Only)
100 HPS	\$ 8.61	\$ 5.93
150 HPS	\$ 11.38	\$ 8.10
175 MV	\$ 8.88	\$ 5.93
400 MV	\$ 14.69	\$ 8.10

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**

### **FESTOON LIGHTING - *TARIFF NO. 2004-84***

Connected load @ \$0.767 / kW per night of scheduled use:

Minimum Monthly Bill: \$ 15.75

#### **Applicability:**

The Festoon Lighting Rate is applicable only for existing unmetered municipally-owned festoon light strings suspended across streets and public thoroughfares. The customer is required to advise the Corporation prior to any changes in the nights contract for operation and/or the connected lighting kilowatts.

### **DECORATIVE LIGHTING - *TARIFF NO. 2004-85***

Connected load @ \$0.767 / kW per night of scheduled use:

Minimum Monthly Bill: \$ 15.75

#### **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.

### **CHRISTMAS LIGHTING - *TARIFF NO. 2004-86***

Connected load @ \$0.0611 / kW.h.

#### **Applicability:**

The Christmas Lighting Rate is applicable to the City of Winnipeg Christmas lighting only. The customer is required to advise the Corporation prior to any change in the connected load.

**APPENDIX 2**

**PROOF OF REVENUE**  
**FOR RATES**  
**EFFECTIVE**  
**AUGUST 1, 2004**

**PROPOSED PROOF OF REVENUE  
IN ACCORDANCE WITH PUB ORDER NO. 101/04**

The following Proof of Revenue reflects the overall impact on General Consumers Revenue for the 2004/05 fiscal year of implementing a 5% increase effective August 1, 2004.

***PROOF OF REVENUE***

**April 1, 2003 Rates vs Proposed April 1, 2004 Rates  
for year ended March 31, 2005**

	<b>Calculated Revenue Current Rates</b>	<b>Calculated Revenue Proposed Rates</b>	<b>Diff. in Revenue Dollars</b>	<b>Diff. in Revenue Percent</b>
Basic & Diesel	\$351,546,722	\$364,451,447	\$12,904,725	3.67%
Seasonal	\$4,674,543	\$4,746,859	\$72,316	1.55%
FRWH	\$1,333,256	\$1,420,072	\$86,816	6.51%
<b>TOTAL RESIDENTIAL</b>	<b>\$357,554,521</b>	<b>\$370,618,378</b>	<b>\$13,063,857</b>	<b>3.65%</b>
Large > 100 Kv	\$140,483,420	\$145,350,693	\$4,867,273	3.46%
Large 30-100 kV	\$29,036,045	\$30,012,424	\$976,379	3.36%
Large 750v -30 kV	\$56,668,939	\$58,999,868	\$1,930,929	3.41%
<b>Total Large</b>	<b>\$226,188,404</b>	<b>\$233,962,985</b>	<b>\$7,774,581</b>	<b>3.44%</b>
<b>Total Medium</b>	<b>\$129,095,475</b>	<b>\$133,513,128</b>	<b>\$4,417,653</b>	<b>3.42%</b>
Small	\$179,760,241	\$186,069,324	\$6,309,083	3.51%
Seasonal	\$375,355	\$384,956	\$9,600	2.56%
FRWH	\$504,544	\$523,331	\$18,787	3.72%
<b>Total Small</b>	<b>\$180,640,139</b>	<b>\$186,977,611</b>	<b>\$6,337,471</b>	<b>3.51%</b>
SEP	\$1,633,078	\$1,633,078	\$0	0.00%
<b>TOTAL GS</b>	<b>\$537,557,097</b>	<b>\$556,086,802</b>	<b>\$18,529,705</b>	<b>3.45%</b>
<b>AREA &amp; ROADWAY</b>	<b>\$17,342,396</b>	<b>\$17,922,398</b>	<b>\$580,002</b>	<b>3.34%</b>
<b>DSM REDUCTION</b>	<b>(\$5,354,164)</b>	<b>(\$5,494,227)</b>	<b>(\$140,063)</b>	<b>2.62%</b>
<b>GENERAL CONSUMERS</b>	<b>\$907,099,850</b>	<b>\$939,133,351</b>	<b>\$32,033,500</b>	<b>3.53%</b>
Diesel Full Cost	\$2,932,207	\$2,933,832	\$1,625	0.06%
Misc. Revenue	\$600,000	\$620,000	\$20,000	3.33%
Adjustments	\$6,666,109	\$6,888,312	\$222,203	3.33%
<b>GRAND TOTAL</b>	<b>\$917,298,166</b>	<b>\$949,575,495</b>	<b>\$32,277,328</b>	<b>3.52%</b>

The following is a Proof of Revenue for the eight month period August 1, 2004 to March 31, 2005 which reflects the 5% increase and impact on revenues.

Class	Expected Revenues				2004/05
	August 1,2004 to March 31, 2005				Proof of Revenue
	Revenue @ Current Rates	Revenue @ Prop. Aug 1 Rates	Revenue Increase	% Increase	Revenue Increase
Residential	\$260,072,066	\$ 273,135,923	\$ 13,063,857	5.0%	\$ 13,063,857
GS Small	\$124,627,431	\$ 130,964,902	\$ 6,337,471	5.1%	\$ 6,337,471
GS Medium	\$ 86,819,598	\$ 91,237,251	\$ 4,417,653	5.1%	\$ 4,417,653
GS Large 750-30 kV	\$ 38,419,215	\$ 40,350,144	\$ 1,930,929	5.0%	\$ 1,930,929
GS Large 30-100 kV	\$ 19,553,101	\$ 20,529,480	\$ 976,379	5.0%	\$ 976,379
GS Large >100 kV	\$ 96,748,956	\$ 101,616,229	\$ 4,867,273	5.0%	\$ 4,867,273
A&R Lighting	<u>\$ 11,561,597</u>	<u>\$ 12,141,599</u>	<u>\$ 580,002</u>	<u>5.0%</u>	<u>\$ 580,002</u>
Total *	\$637,801,964	\$ 669,902,404	\$ 32,100,440	5.0%	\$ 32,100,440

\* Excludes miscellaneous revenue and DSM reductions

**APPENDIX 3**

**BILL COMPARISONS**  
**FOR RATES**  
**EFFECTIVE**  
**AUGUST 1, 2004**



# Bill Comparisons

## Residential

Forecast Customers: 420,324

kW.h	April 1, 2003 \$ / Month	August 1, 2004 \$ / Month	Difference in \$ / Month	Percent Change
250	\$ 20.24	\$ 20.49	\$ 0.25	1.24 %
750	\$ 46.04	\$ 47.97	\$ 1.93	4.19 %
1 000	\$ 58.94	\$ 61.71	\$ 2.77	4.70 %
2 000	\$ 110.54	\$ 116.67	\$ 6.13	5.55 %
5 000	\$ 265.34	\$ 281.55	\$ 16.21	6.11 %

## Residential Seasonal

Forecast Customers: 20,342

kW.h	April 1, 2003 \$ / Summer	August 1, 2004 \$ / Summer	Difference in \$ / Summer	Percent Change
250	\$ 89.45	\$ 89.45	\$ 0.00	0.00 %
750	\$ 118.35	\$ 118.35	\$ 0.00	0.00 %
1 000	\$ 132.80	\$ 132.80	\$ 0.00	0.00 %
2 000	\$ 184.71	\$ 187.90	\$ 3.19	1.73 %
5 000	\$ 339.51	\$ 352.78	\$ 13.27	3.91 %

## Residential Diesel

Forecast Customers: 510

kW.h	April 1, 2004 \$ / Month	August 1, 2004 \$ / Month	Difference in \$ / Month	Percent Change
250	\$ 20.24	\$ 20.49	\$ 0.25	1.24 %
750	\$ 46.04	\$ 47.97	\$ 1.93	4.19%
1 000	\$ 58.94	\$ 61.71	\$ 2.77	4.70 %
2 000	\$ 110.54	\$ 116.67	\$ 6.13	5.55 %
5 000	\$ 2,483.54	\$ 2,489.67	\$ 6.13	0.25 %

## Bill Comparisons

### General Service Small < 50 kV.A

Forecast Customers: 52,789

kW.h	April 1, 2003 \$ / Month	August 1, 2004 \$ / Month	Difference in \$ / Month	Percent Change
750	\$ 58.48	\$ 59.70	\$ 1.22	2.09 %
2 000	\$ 128.74	\$ 132.95	\$ 4.21	3.27 %
5 000	\$ 295.24	\$ 308.75	\$ 13.51	4.58 %
10 000	\$ 572.74	\$ 601.75	\$ 29.01	5.07 %

### General Service Small 51 kV.A

Forecast Customers: 5,885

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
25 %	5.894	6.185	0.291	4.93 %
50 %	4.901	5.210	0.308	6.29 %
75 %	4.023	4.306	0.283	7.02 %
100 %	3.547	3.814	0.267	7.52 %

### General Service Small 100 kV.A

Forecast Customers: 5,885

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
25 %	7.163	7.471	0.308	4.30 %
50 %	4.693	4.960	0.267	5.70 %
75 %	3.835	4.087	0.251	6.55 %
100 %	3.406	3.650	0.243	7.14 %

# Bill Comparisons

## General Service Seasonal

Forecast Customers: 774

kW.h	April 1, 2003 \$ / Summer	August 1, 2004 \$ / Summer	Difference in \$ / Summer	Percent Change
750	\$ 222.38	\$ 232.95	\$ 10.57	4.75 %
2 000	\$ 295.00	\$ 306.20	\$ 11.20	3.80 %
5 000	\$ 469.30	\$ 482.00	\$ 12.70	2.71 %
10 000	\$ 750.80	\$ 775.00	\$ 24.20	3.22 %

## General Service Diesel

Forecast Customers: 117

kW.h	April 1, 2004 \$ / Month	August 1, 2004 \$ / Month	Difference in \$ / Month	Percent Change
750	\$ 58.48	\$ 59.70	\$ 1.22	2.09 %
2 000	\$ 128.74	\$ 132.95	\$ 4.21	3.27 %
5 000	\$ 2,501.74	\$ 2,505.95	\$ 4.21	0.17 %
10 000	\$ 6,456.74	\$ 6,460.95	\$ 4.21	0.07 %

## Government Diesel

Forecast Customers: 80

kW.h	April 1, 2004 \$ / Month	August 1, 2004 \$ / Month	Difference in \$ / Month	Percent Change
750	\$ 1,779.80	\$ 1,779.80	\$ 0.00	0.00 %
2 000	\$ 4,716.05	\$ 4,716.05	\$ 0.00	0.00 %
5 000	\$ 11,763.05	\$ 11,763.05	\$ 0.00	0.00 %
10 000	\$ 23,508.05	\$ 23,508.05	\$ 0.00	0.00 %

## Bill Comparisons

### General Service Medium 500 kV.A

Forecast Customers: 1,734

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference In ¢ / kW.h	Percent Change
25 %	6.709	6.928	0.219	3.26 %
50 %	4.415	4.634	0.219	4.96 %
75 %	3.650	3.869	0.219	6.00 %
100 %	3.267	3.486	0.219	6.70 %

### General Service Medium 1 000 kV.A

Forecast Customers: 1,734

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
25 %	6.694	6.913	0.219	3.27 %
50 %	4.407	4.626	0.219	4.97 %
75 %	3.645	3.864	0.219	6.01 %
100 %	3.264	3.483	0.219	6.71 %

## Bill Comparisons

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

Forecast Customers: 231

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
25 %	5.894	6.080	0.186	3.16 %
50 %	3.952	4.138	0.186	4.71 %
75 %	3.305	3.491	0.186	5.63 %
100 %	2.981	3.167	0.186	6.24 %

### General Service Large - 30 kV to 100 kV 10 000 kV.A

Forecast Customers: 27

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
25 %	5.291	5.454	0.163	3.08 %
50 %	3.633	3.796	0.163	4.49 %
75 %	3.080	3.243	0.163	5.29 %
100 %	2.804	2.967	0.163	5.81 %

### General Service Large - Over 100 kV 50 000 kV.A

Forecast Customers: 15

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
25 %	4.934	5.079	0.144	2.92 %
50 %	3.455	3.599	0.144	4.17 %
75 %	2.961	3.106	0.144	4.86 %
100 %	2.715	2.859	0.144	5.30 %

## Bill Comparisons

### Limited Use Billing Demand - General Service Small 51 kV.A

Forecast Customers: 77

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
5 %	8.152	8.428	0.276	3.39 %
10 %	7.536	7.784	0.248	3.29 %
15 %	7.331	7.569	0.239	3.26 %
20 %	7.228	7.462	0.234	3.24 %

### Limited Use Billing Demand - General Service Small 100 kV.A

Forecast Customers: 77

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
5 %	10.341	10.589	0.249	2.40 %
10 %	8.630	8.865	0.234	2.71 %
15 %	8.060	8.290	0.230	2.85 %
20 %	7.775	8.002	0.227	2.92 %

## Bill Comparisons

### Limited Use Billing Demand - General Service Medium 500 kV.A

Forecast Customers: 23

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
5 %	12.770	12.990	0.220	1.72 %
10 %	9.845	10.065	0.220	2.23 %
15 %	8.870	9.090	0.220	2.48 %
20 %	8.383	8.603	0.220	2.62 %

### Limited Use Billing Demand - General Service Medium 1000 kV.A

Forecast Customers: 23

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
5 %	12.694	12.914	0.220	1.73 %
10 %	9.807	10.027	0.220	2.24 %
15 %	8.845	9.065	0.220	2.49 %
20 %	8.364	8.584	0.220	2.63 %

## Bill Comparisons

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

Forecast Customers: 3

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
5 %	10.949	11.139	0.190	1.74 %
10 %	8.525	8.715	0.190	2.23 %
15 %	7.716	7.906	0.190	2.46 %
20 %	7.312	7.502	0.190	2.60 %

### Limited Use Billing Demand – General Service Large - 30 kV to 100 kV 10 000 kV.A

Forecast Customers: 0

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
5 %	9.814	9.864	0.050	0.51 %
10 %	7.677	7.727	0.050	0.65 %
15 %	6.965	7.015	0.050	0.72 %
20 %	6.608	6.659	0.050	0.76 %

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

Forecast Customers: 0

Load Factor	April 1, 2003 ¢ / kW.h	August 1, 2004 ¢ / kW.h	Difference in ¢ / kW.h	Percent Change
5 %	9.043	9.053	0.010	0.11 %
10 %	7.112	7.122	0.010	0.14 %
15 %	6.468	6.478	0.010	0.15 %
20 %	6.146	6.156	0.010	0.16 %