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| **MANITOBA** | **Order No. 34/05** |
| **THE PUBLIC UTILITIES BOARD ACT** | |
| **THE MANITOBA HYDRO ACT** | |
| **THE CROWN CORPORATIONS PUBLIC REVIEW AND ACCOUNTABILITY ACT** | **March 21, 2005** |

Before: G. F. J. Lane, C.A., Chairman
R. Mayer, Q.C., Vice-Chairman
L. Evans, B.A., M.A., LL.D. (Hon.)

**AN APPLICATION BY MANITOBA HYDRO FOR A GENERAL RATE INCREASE AS APPROVED CONDITIONALLY IN BOARD ORDER 101/04 AND 143/04**

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## 1.0 Introduction

The Public Utilities Board ("the Board") issued Board Order 101/04 dated July 29, 2004 in response to a General Rate Application ("GRA") by Manitoba Hydro ("Hydro") in January 2004. That Order directed Hydro to implement new rates effective August 1, 2004 to reflect an annual revenue increase of 5% for all customer classes. Order 101/04 also approved interim conditional rate increases of 2.25% for all customer classes to be effective April 1, 2005 and October 1, 2005.

In response to Order 101/04, Hydro filed new rates reflecting the increase of 5% for all customer classes to be effective August 1, 2004, which rates were approved in Order 103/04. The Board subsequently issued Order 143/04 dated November 18, 2004 setting out further reasons for the decisions made by the Board in Order 101/04. Order 101/04 also directed Hydro to file additional financial information with the Board, to allow the Board to consider the conditionally approved rate increases. With respect to the April 1, 2005 conditional rate increase, Hydro filed an application seeking a 2.25% increase, updated forecasts, its second and third quarter financial statements for the 2005 fiscal year, and other information required of it by the Board.

The Board issued a procedural letter with respect to its process for considering Hydro's application, and that letter provided Intervenors the opportunity to participate in the Board's process. Information requests were submitted to Hydro, and responses were filed with the Board and, together with Hydro's updated forecasts and results, distributed to Intervenors. One intervenor, CAC/MSOS, requested that the Board schedule an oral hearing to consider the conditional April 1, 2005 increase, by way of a variance to Order 101/04. According to CAC/MSOS, Order 101/04 restricted the ability of Intervenors to fully test the proposed April 1, 2005 rate increase.

This Order provides the Board's findings and directions arising out of its consideration of Hydro's application for a 2.25% rate increase to be effective April 1, 2005, an application the Board approves herein. This Order would best be read in conjunction with Orders 101/04 and 143/04.

## 2.0 The Application and Process

The Board's decisions in Order 101/04 were based, in part, on information set out in Hydro's Integrated Financial Forecast for the fiscal periods ended March 31, 2004 to March 31, 2014 ("IFF03"). Order 101/04 directed Hydro to file additional financial information with the Board, to allow the Board to consider the conditionally approved rate increases. With respect to the April 1, 2005 increase, Hydro was to file an updated financial forecast for the fiscal years ending March 31, 2005 and 2006. The forecasts are included in Hydro's integrated financial forecast for the periods ended March 31, 2005 to March 31, 2115 ["IFF04"]). As well, Hydro was to file second and third quarter financial statements for the 2004/05 fiscal year.

On January 27, 2005, the Board issued a procedural letter with respect to the April 1, 2005 increase. The letter provided Intervenors information on and the opportunity to advance submissions as part of the Board's process related to the April 1 conditional rate increase. The Board also provided Hydro and Intervenors a timetable with respect to the matter.

On January 28, 2005, Hydro filed an application ("the Application") seeking approval of April 1, 2005 rates reflecting the 2.25% increase for all customer classes conditionally approved in Order 101/04. Subsequently, information requests were submitted to Hydro and responses were filed with the Board and distributed to all interested parties. By a letter dated February 14, 2005, the Board advised all interested parties to respond in writing to Hydro's Application by February 28, 2005, following which Hydro was given an opportunity to respond by March 4, 2005.

The Intervenors of record that provided submissions in response to the Application were:

- Canadian Centre for Energy Policy Incorporated (“CCEP”);
- Consumers’ Association of Canada (Manitoba) Inc./Manitoba Society of Seniors (“CAC/MSOS”);
- Manitoba Industrial Power Users Group (“MIPUG”); and
- Time to Respect Earth’s Ecosystems/Resource Conservation Manitoba (“TREE/RCM”).

All of these intervenors also participated in the 2004 GRA which led to Orders 101/04, 103/04 and 143/04.

## 3.0 CAC/MSOS Application to Vary

### 3.1 Background

On February 10, 2005, CAC/MSOS requested that the Board schedule an oral hearing on February 14, 2005, or as soon thereafter as could be reasonably scheduled, to consider a motion by CAC/MSOS. CAC/MSOS sought, amongst other things, to vary that part of Order 101/04 that, according to CAC/MSOS, restricted the ability of Intervenors to fully test the proposed April 1, 2005 rate increase.

By letter dated February 14, 2005, the Board advised CAC/MSOS and all interested parties that the Board would consider the CAC/MSOS motion by way of a paper hearing process. All interested parties were invited to respond to the motion of CAC/MSOS by February 21, 2005, following which CAC/MSOS was to make its final submission by February 28, 2005. The Board implemented its process and this Order provides the Board's decision in the matter.

### 3.2 CAC/MSOS Application to Vary

CAC/MSOS' Application to Vary, in part, requested the Board to:

- Vary that part of Order 101/04 which, in CAC/MSOS' view restricted the ability of Intervenors to fully test the proposed April 1, 2005 increase;
- Vary that part of the procedural letter dated January 27, 2005 which restricted the opportunity of Intervenors to test the Hydro Application through written submissions only;
- Direct Hydro to re-file the Application to provide more information to support the application which, from CAC/MSOS' perspective, would be more consistent with a GRA filing; and
- Direct that an oral hearing be held with respect to the proposed general rate increase.

In support of their motion, CAC/MSOS put forward the following arguments:

- There has been a material and substantial improvement in Hydro's financial circumstances since the issuance of Order 101/04;

- The improvement in Hydro's financial circumstance reduces the urgency of the required increase and allows time for a thorough analysis;
- The material filed by Hydro in support of its application raises questions about cost control issues in the area of capital expenditures and operating costs;
- Hydro's cost control efforts cannot be reasonably tested in a paper process;
- The Hydro filing is deficient from that traditionally filed in support of a GRA;
- There are questions as to whether the process contemplated is consistent with the principles of natural justice; and
- Consumers are being denied a meaningful opportunity to challenge the reasonableness of the requested rate increases.

### 3.3 Hydro's Response to CAC/MSOS' Application to Vary

By letter dated February 11, 2005, Hydro responded to the Application to Vary filed by CAC/MSOS, offering the following comments:

- The conditional rate increase filing was made in furtherance of Hydro's GRA filing in January 2004, and is not a new application by Hydro.
- An extensive review of Hydro's GRA has already been conducted by all interested parties.
- The Board has jurisdiction to approve multi-year rate increases not requiring additional information, and has in fact done so in the past.
- CAC/MSOS view ignores the extensive process preceding the issuance of Order 101/04.
- The Board is taking a more cautious approach, by creating a new and innovative process to review the second part of a multi-year increase.
- The evidence already filed by Hydro in support of the GRA is extensive.
- The evidence filed by Hydro with respect to the conditional increase is in accordance with Board directive #2 in Order 101/04.
- The unprecedented requirement that additional financial information be filed and reviewed prior to implementing the second rate increase (as implemented by the Board) only adds to the level of scrutiny already afforded the Application.
- CAC/MSOS' application seeking an expanded process should be denied.

### 3.4 Responses to CAC/MSOS’ Application to Vary by Interested Parties

Two Intervenors, MIPUG and TREE/RCM, as well as one Presenter, Mr. A Ciekiewicz (who also participated in the 2004 GRA), filed written comments to the Board with respect to the Application to Vary by CAC/MSOS.

Mr. Ciekiewicz supported CAC/MSOS’ Application to Vary. MIPUG agreed with CAC/MSOS that there has been a material improvement in Hydro’s financial condition. However, MIPUG did not support the CAC/MSOS motion, and indicated a willingness to participate in the paper process set out by the Board.

TREE/RCM submitted that the appropriate time for a new full-scale hearing with a complete filing by Hydro would follow resolution of a number of issues related to the cost of service methodology. TREE/RCM opined that the process proposed by the Board should allow CAC/MSOS an opportunity to make their case.

### 3.5 CAC/MSOS’ Reply

CAC/MSOS’ reply to the submissions of Hydro and Intervenors stood by its original motion without further elaboration.

## 4.0 Submissions by Interested Parties on Hydro's Application for Approval of the April 1, 2005 Conditional Rate Increase

### 4.1 CAC/MSOS

CAC/MSOS' submission of February 28, 2005 included:

a) reference to excerpts from Order 101/04 and 143/04;

b) a summary of Hydro's justification for the conditional increase;

c) a suggested approach to the assessment of Hydro's need for the conditional increase;

d) a review of Hydro's change in financial outlook; and

e) a discussion of the level of financial reserves required.

The arguments put forward by CAC/MSOS were that:

- There has been a material improvement in the financial circumstance of Hydro.
- There are material deficiencies in Hydro's responses to certain interrogatories.
- There are irreconcilable differences and errors in Hydro's forecasts of operating and capital expenditures.
- Hydro's application fails to meet the onus of demonstrating that the increase is necessary.
- Hydro has failed to control its operating and capital costs.
- There are significant increases in Hydro's forecast of capital expenditures.
- The Board's process has not allowed sufficient examination of the issues.

CAC/MSOS contended that Hydro could achieve its financial targets by the end of the financial forecast period without the implementation of the requested rate increases.

## 4.2 MIPUG

MIPUG's submission included background information and discussion from its perspective, a comparison of IFF03 to IFF04, a review of the changes in Hydro's projection of capital spending, a discussion on the requirements for the requested revenue levels, and a discussion on the proposed rate increases.

The arguments made by MIPUG include:

- Hydro's current financial forecasts reflect some improvement relative to the financial forecasts reviewed at the time of the 2004 GRA;
- Given this improvement, the urgency of responding to the financial consequences of the drought is not as great as it was at the time of the 2004 GRA;
- Hydro's forecast of its operating costs and capital expenditures have increased substantially;
- Under Hydro's application, continued across the board increases would occur without regard to the level of costs currently paid by each rate class and sub-class, this is not warranted given Hydro's improved financial condition;
- Foregoing the April 1, 2005 conditional increase would have limited consequences on Hydro's financial position;
- Foregoing the conditional increase could allow future increases to be guided by the results of the planned cost of service allocation methodology review;
- The April 1, 2005 increase should be reduced or foregone; and
- If any increase is to occur on October 1, 2005, it should occur in the context of a completed cost of service review.

## 4.3 TREE/RCM

TREE/RCM opined that the proposed April 1 increase is warranted (TREE expressed the view that the utility's rates are too low, and thus do not sufficiently encourage conservation and energy efficiency), and, in the absence of a legitimate cost of service allocation methodology, the increase should be equally applied to all customer classes while concentrating the rate increase within the most price sensitive element of the rate schedule.

TREE/RCM suggested that it would not be an economic investment of time and resources for the Board to conduct a full-scale review such as is required for a GRA until a new cost of service model has been appropriately vetted.

## 4.4 CCEP

During the 2004 GRA, CCEP limited its comments with respect to revenue requirements because of the extensive attention of that area performed by the Board and the other intervenors. CCEP's participation at the 2004 GRA was focused on cost of service and rate design. CCEP's participation in this, the April 1, 2005 conditional rate increase application, was similarly limited.

CCEP's submission to the Board made two arguments:

- Hydro's dire financial circumstance that arose as a result of the drought has significantly abated, and, as a result, confirmation of the conditional increase for April 1, 2005 is not justified; and
- In the event the Board decides to confirm any part of the conditional rate increase for April 1, 2005, the Board should give consideration to an approach that provides a smaller increase for the General Service Small demand and non-demand customer classes. For CCEP, those classes have consistently contributed a higher proportion of revenue related to allocated costs than other customer classes.

## 4.5 A. Ciekiewicz

Mr. Ciekiewicz submitted that the April 1, 2005 conditional rate increase should not be approved by the Board.

### 4.6 Canadian Manufacturers & Exporters (“CME”), Monarch Industries Limited (“Monarch”) and Ancast Industries Ltd. (“Ancast”)

CME, Monarch and Ancast, all customers of Hydro, did not actively participate in the 2004 GRA process. However, each wrote a letter to the Board in connection with the proposed April 1, 2005 increase. The main points in their submissions were that:

- Hydro’s current financial condition is significantly better than it was at the time of the GRA;
- Hydro’s financial condition will not suffer if the April 1, 2005 increase is declined;
- Manufacturers and exporters in Manitoba have suffered from increased offshore competition and a strengthening Canadian dollar;
- Increases in electricity prices will further erode corporate profit margins; and
- The April 1, 2005 conditional increase should be delayed or rescinded.

## 5.0 Hydro's Reply to Written Submissions

On March 7, 2005, Hydro provided a response to the submissions of CAC/MSOS, MIPUG, TREE/RCM, CCEP, CME, Monarch and Ancast.

Hydro's reply included:

a) a discussion concerning the background to its Application; and

b) commentary related to forecast capital expenditures, required financial reserves, achievement of financial targets, comparison with other utility rates and recent rate increases, class differentiation of conditional rate increases, the process for review of the April 1 increase, and the information requests of CAC/MSOS.

With respect to the letters from CME, Ancast and Monarch, Hydro's response noted that prior to the August 1, 2004 increase electricity rates for Manitoba manufacturers had not increased since April 1997. Hydro also suggested that if the Board approved the April 1 increase, Hydro rates would still remain among the lowest in Canada.

Hydro opined that adequate reserves are necessary to protect against the potential adverse effects of business and financial risk, and that the Board has a responsibility to balance the public interest of low rates with a requirement to maintain the financial soundness of the utility.

With respect to the key points raised in Intervenor submissions, Hydro responded as follows:

- While net income in fiscal 2005 and 2006 are now projected to be more favourable than was the case at the time of the 2004 GRA, there remains significant longer term uncertainty around the future potential impacts of water conditions and export markets.
- The increases to projected capital and operating expenditures of IFF04, compared to IFF03, are justifiable given changing conditions, and many of the changes have no effect on net income in the early years and only modest effect in later years.

- The Board has given clear direction that the debt/equity target of 75:25 should be achieved as quickly as possible, and the implementation of the April 1, 2005 conditional increase is required as part of that long term process.
- There is no current basis for differentiating rate increases among customer classes.
- The Board-established process for review of the April 1, 2005 conditional increase is more than adequate.
- If the Board confirms both 2005 conditional rate increases, Manitoba consumers will continue to benefit from rates among the lowest in North America.

## 6.0 Board Findings

### 6.1 Application to Vary

There has been a significant improvement in the net income results and forecasts of Hydro since the issuance of Order 101/04, in this the Board agrees with CAC/MSOS and MIPUG. However, to-date the improvement is yet to match the magnitude of the negative financial consequence of the 2002-2004 drought experienced by Hydro, and is insufficient with respect to Hydro achieving an adequate level of financial reserves. There remains significant longer-term risks and uncertainty regarding water conditions, export markets and other risk factors.

The Board agrees with Hydro that the utility's application for a 2.25% rate increase to be effected April 1, 2005 was made in furtherance of Hydro's GRA, which was subject to an extensive examination process involving all parties. As such, the additional information provided in this process is supplementary to the extensive examination of the 2004 GRA.

Considering all of the factors, the Board concludes that the process set out in its procedural letter dated January 27, 2005, along with subsequent information requests and final submissions, fairly deals with the current rate application. The Board also notes MIPUG and TREE/RCM support for a paper review.

The Board will therefore deny the CAC/MSOS February 10, 2005 application to vary.

### 6.2 Conditional Rate Increase

The Board agrees with Hydro that although the utility's short-term financial situation has recently improved significantly there remains considerable financial and business risk going forward, particularly with respect to water flow conditions and export markets.

The rebuilding of Hydro's financial reserves is a long-term process that should not be significantly altered by short-term events, including improvements in results, in advance of the desired 75:25 debt:equity ratio target being reached.

The Board notes that in spite of the improvement in forecasted net income for 2004/05 and 2005/06, achievement of the established debt:equity target within the planning period is only forecast by Hydro to be achieved given future annual rate increases of 2.5% in every year after 2006. If Hydro's financial results and overall condition continues to improve in the future, and exceeds the forecasts of IFF04, consideration of changing or foregoing one or more of those forecast future rate increases represents a more conservative and appropriate strategy at this point in time.

IFF04 reports a significant increase in forecast capital expenditures over the forecast period. The largest increase relates to Demand Side Management ("DSM") energy conservation and efficiency objectives, which expenditures are incurred for the purpose of deriving longer-term benefits for customers and are generally supported by the Board. Other large increases relate to the New Corporate Head Office (for IFF03, the projected cost for this project of $75 million was noted as being a first estimate, a "placemark"), Wind Generation and the construction of Wuskwatim. The Board notes Hydro's position that each of these increases is justifiable, being based on changes in conditions or increased knowledge since IFF03 was prepared.

The Board accepts Hydro's position for now, and notes that the increased forecast expenditures are projected to have a marginal effect on Hydro's net income forecast for the early years of the forecast. The Board expects that these forecasted increases in capital expenditures will be appropriately tested, to the extent provided for by the Board's mandate, at the next Hydro General Rate Application.

MH's forecasts of net income through to and including fiscal year 2014/15, assumes:

i) net income of $147 million and $208 million respectively for fiscal years 2004/05 and 2005/06. These projected results are considerably higher than would be the case except for the Hydro-deemed extraordinary recovery in water flow, levels and generating capacity; in the absence of this extraordinary recovery the revenue forecasts for the two fiscal years would have be expected to be approximately $100 million lower for 2004/05 and 2005/06);
ii) as noted previously, further rate increases of 2.5% each year, after 2005/06;
iii) Declining annual export volume through to projected in-service date of Wuskwatim, as a result of forecast increases in Manitoba electricity demand load;
iv) A delayed in-service date for Wuskwatim, reducing the accumulated net income forecast for the 2004/05-2014/15 period;
v) Continued growth in operating, maintenance and administrative costs, and the average cost per customer, approximately at the forecast level of general price inflation;
vi) As referred to previously, the continuation of considerable operational and financial risks, including risk of drought. Hydro has projected that a worst-case drought could result in a net loss of in excess of $2 billion, and that a drought can be expected over an 8 to 15 year period. Other risks include future export sale difficulties, further increases in the Canadian dollar and/or interest rates, risk of physical damage to transmission and/or distribution assets (Hydro self-insures against the risk of property damage with respect to transmission and distribution assets and business interruption insurance);
vii) Continuance of deferral and amortization accounting policies with respect to DSM expenditures and planning studies that have such costs amortized over a longer period than is the case for comparable Crown corporations in British Columbia and Quebec. Hydro indicates that if it were to adopt the shorter amortization policies of the other Crowns, not currently contemplated, projected retained earnings would fall considerably forcing up the debt to equity ratio); and
viii) An absence of projected further special payments to the Province or changes in the formulae governing water rentals, debt guarantee or capital taxes through to and including fiscal 2014/15). These matters are not within the jurisdiction of Hydro to determine.

The actualization of none of these risks and/or circumstances are built in to Hydro's net income forecasts out to and including fiscal 2014/15. In short, they are not forecast to materialize.

Hydro continues to offer low electricity rates, with its prices established on a cost of service basis driven in large part by the natural advantages of hydro-electric generation and the lower costs associated with net capital investments of prior years. Old plant was constructed at considerably lower cost than what new generation, transmission and distribution would now involve.

Considering all of the evidence and factors, including the Board's public interest mandate, which includes the financial stability of the utility, the Board will approve the general rate increase of 2.25%. The increase will be effective April 1, 2005, as set out in the rate schedules filed by Hydro and included as Attachment 1 to this Order.

Manitoba consumers have become accustomed to low electricity rates and few rate increases in the last decade, in contrast to the rapid and high increases experienced with respect to other energy sources such as natural gas, oil, propane, and coal. The Board therefore appreciates the different views that Intervenors and consumers may have with respect to rate increases required to ensure the financial stability and strength of Hydro as being in the public interest.

The Board's support for a debt:equity ratio target of 75:25 for Hydro represents a balancing of interests. It is generally accepted that all corporations, including Crown corporations, require reserves to meet the vicissitudes of an uncertain environment; the question has always been what level of reserves is to be deemed appropriate. The Board notes that private utility corporations generally have considerably lower debt:equity ratios than is the case with Hydro, and understand that lenders have generally insisted on much lower debt:equity ratios for these firms.

Hydro's financial results and position have implications for the overall position of the Province, being Manitoba's largest Crown corporation and having a debt level that represents more than 50% of the Province's outstanding debt.

Hydro has indicated and supported a claim that a drought could result in a loss in excess of $2 billion, and its experience over the course of the drought of 2002-2004 supports this contention. As well, there are other serious risks, any of which, if actualized, would put significant pressure on Hydro's financial position, with implications for consumer rates. A reasonable and operative debt:equity ratio, which the established 75:25 ratio represents, also provides for a protection for intergenerational equity, whereby each generation reasonably meets its own costs and reasonably provides for the interests of the generations to follow.

In reaching its decision on the April 1 rate increase application, the Board carefully considered the possibility that Hydro's actual results for fiscal 2004/05 and 2005/06 could be significantly better than the utility now forecasts. If better than forecast results are achieved, such will only quicken progress towards the achievement of the sought-after 75:25 debt:equity ratio and serve the public interest.

The Board will establish a process for considering the second conditional rate increase provided for in Board Order 101/04, and will advise interested parties of this process in due course.

As indicated previously, the Board notes not only this upcoming consideration but also Hydro's expectation of future annual increases, which will provide the Board ample opportunity to adjust to changed circumstances if required.

### 6.3 Cost of Service Methodology

The Board agrees with the position put forward by Hydro and certain Intervenors that, currently, there is no definitive basis for differentiating rate changes among customer classes.

That matter will be rectified as soon as possible. In the interim, the Board will direct that the April 1, 2005 rate increase be applied to all customer classes, through equal percentage increases.

The cost of service methodology issue is to be resolved prior to consideration of the next GRA, and ideally, should be resolved before consideration of the October 1, 2005 conditional increase application. The Board will therefore direct that Hydro file, as soon as possible, a detailed cost of service methodology application, including a proposed process timeline, to effectively deal with all of the cost of service issues discussed in Orders 101/04 and 143/04.

## 7.0 It Is Therefore Ordered That:

1. The Application by CAC/MSOS to review and vary parts of Order 101/04 and parts of a procedural letter of the Board dated January 27, 2005, BE AND IS HEREBY DENIED.

2. The Application by Manitoba Hydro for general rate increases to be effective April 1, 2005, as conditionally approved in Order 101/04, and as set out in Attachment 1 to this Order, BE AND IS HEREBY APPROVED.

3. Manitoba Hydro file, as quickly as possible, a detailed cost of service methodology application , including a proposed timeline, that effectively deals with all of the cost of service issues discussed in Orders 101/04 and 143/04.

THE PUBLIC UTILITIES BOARD

Chairman

Secretary

THE PUBLIC UTILITIES BOARD

"G. F. J. Lane, C.A."
Chairman

"G.O. Barron"
Secretary

Certified a true copy of
Order No. 34/05 issued by
The Public Utilities Board

Secretary

ATTACHMENT 1

# RATE SCHEDULES

# FOR RATES

# EFFECTIVE

# APRIL 1, 2005

Manitoba Hydro

**Rates & Policies Department**
**2005 01 28**

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# DEFINITIONS

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

The following expressions shall have the following meanings:

a) "Basic Charge": a 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. 2005-01*

| | | |
|---|---|---|
| Basic Charge: | $ 6.25 | |
| PLUS | | |
| First 175 kW.h | @ 5.780 | ¢ / kW.h |
| Balance of kW.h | @ 5.654 | ¢ / 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*; or
      - individual residential services within a trailer park established prior to May 1, 1969.

## RESIDENTIAL RATES

### SEASONAL - *TARIFF NO. 2005-02*

| | | |
|---|---|---|
| Annual Basic Charge: | $ 75.00 | |
| PLUS | | |
| First 1,050 kW.h | @ 5.780 | ¢ / kW.h |
| Balance of kW.h | @ 5.654 | ¢ / kW.h |
| Minimum Annual Bill: | $ 75.00 | |

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.

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. 2005-03*

| | | |
|---|---|---|
| Basic Charge: | $ 6.25 | |
| PLUS | | |
| First 175 kW.h | @ 5.780 | ¢ / kW.h |
| Next 1,825 kW.h | @ 5.654 | ¢ / kW.h |
| Balance of kW.h | @ 36.13 | ¢ / 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)

| | *TARIFF NO. 2005-09* | *TARIFF NO. 2005-10* |
|---|---|---|
| Element Size | Controlled | Uncontrolled |
| 500 W | $ 8.76 | $ 11.58 |
| 600 W | $ 10.37 | $ 13.73 |
| 750 W | $ 12.72 | $ 16.94 |
| 900 W | $ 15.09 | $ 20.17 |
| 1,000 W | $ 16.68 | $ 22.32 |
| 1,200 W | $ 18.95 | $ 25.05 |
| 1,250 W | $ 19.49 | $ 25.73 |
| 1,500 W | $ 22.32 | $ 29.09 |
| 2,000 W | $ 26.85 | $ 35.02 |
| 2,500 W | $ 30.23 | $ 39.26 |
| 3,000 W | $ 33.08 | $ 43.52 |
| 3,500 W | $ 37.20 | $ 48.47 |
| 4,000 W | $ 41.25 | $ 53.41 |
| 4,500 W | $ 46.07 | $ 59.33 |
| 6,000 W | $ - | $ 76.84 |
| 1,500 / 1,000 W | $ 17.38 | $ 23.21 |
| 2,000 / 1,000 W | $ 17.79 | $ 23.78 |
| 3,000 / 1,000 W | $ 18.18 | $ 24.60 |
| 2,000 / 1,500 W | $ 24.19 | $ 32.27 |
| 3,000 / 1,500 W | $ 24.72 | $ 32.95 |
| 4,500 / 1,500 W | $ 25.55 | $ 34.20 |
| 3,000 / 2,000 W | $ 29.71 | $ 39.82 |

Applicability:

Only available for services continuously energized since November 11, 1969.

## GENERAL SERVICE

## 0 TO NOT EXCEEDING 200 kV.A

(Utility-Owned Transformation)

### SMALL SINGLE PHASE - *TARIFF NO. 2005-20*

| | |
|---|---|
| Basic Charge: | $ 15.86 |
| PLUS | |
| Energy Charge: | |
| First 11,090 kW.h | @ 6.004 ¢ / kW.h |
| Next 8,500 kW.h | @ 3.936 ¢ / kW.h |
| Balance of kW.h | @ 2.444 ¢ / 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. 2005-21*

| | |
|---|---|
| Basic Charge: | $ 22.01 |
| PLUS | |
| Energy Charge: | |
| First 11,090 kW.h | @ 6.004 ¢ / kW.h |
| Next 8,500 kW.h | @ 3.936 ¢ / kW.h |
| Balance of kW.h | @ 2.444 ¢ / 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 @ 3.936¢ / 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; 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 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. 2005-23*

| | | |
|---|---|---|
| Basic Charge: | $ 15.86 | |
| PLUS | | |
| Energy Charge: | | |
| First 11,090 kW.h | @ 6.004 | ¢ / kW.h |
| Balance of kW.h | @ 3.936 | ¢ / kW.h |
| Minimum Bill: | $ 15.86 | |

### COOKING AND HEATING SEASONAL - *TARIFF NO. 2005-24*

| | | |
|---|---|---|
| Annual Basic Charge: | $ 190.32 | |
| PLUS | | |
| Energy Charge: | | |
| First 66,540 kW.h | @ 6.004 | ¢ / kW.h |
| Balance of kW.h | @ 3.936 | ¢ / kW.h |
| Minimum Annual Bill: | $190.32 | |

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

## <u>0 TO NOT EXCEEDING 50 kV.A</u>

(Utility-Owned Transformation)

**SEASONAL - *TARIFF NO. 2005-22***

| | | |
|---|---|---|
| Annual Basic Charge: | $ 190.32 | |
| PLUS | | |
| First 66,540 kW.h | @ 6.004 | ¢ / kW.h |
| Balance of kW.h | @ 3.936 | ¢ / kW.h |
| Minimum Annual Bill: | $ 190.32 | |

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.

<u>Applicability</u>:

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;
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

**DIESEL - *TARIFF NO. 2005-40***

| | | |
|---|---|---|
| Basic Charge: | $ 15.86 | |
| PLUS | | |
| Energy Charge: | | |
| First 2,000 kW.h | @ 6.004 | ¢ / kW.h |
| Balance of kW.h | @ 36.13 | ¢ / kW.h |
| Minimum Bill: | $ 15.86 | |

**GOVERNMENT - *TARIFF NO. 2005-41***

| | |
|---|---|
| Basic Charge: | $ 15.86 |
| PLUS | |
| Energy Charge: | @ 105.36 ¢ / kW.h |
| Minimum Bill: | $ 15.86 |

A surcharge of $0.6923 per kW.h is included in the Government Tariff which applies to all Federal and Provincial Departments, Agencies and Crown Corporations' including First Nation Education 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. 2005-30***

| | | | |
|---|---|---|---|
| | Basic Charge: | | $ 27.65 |
| | PLUS | | |
| | Energy Charge: | @ | 2.444 ¢ / 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. 2005-60***

| | | | | |
|---|---|---|---|---|
| | Energy Charge: | @ | 2.284 | ¢ / kW.h |
| | PLUS | | | |
| * | Demand Charge: | @ | $ 7.089 | / kV.A |

Minimum Bill: Demand Charge

**LARGE 30 KV TO NOT EXCEEDING 100 KV - *TARIFF NO. 2005-61***

| | | | | |
|---|---|---|---|---|
| | Energy Charge: | @ | 2.215 | ¢ / kW.h |
| | PLUS | | | |
| * | Demand Charge: | @ | $ 6.051 | / kV.A |

Minimum Bill: Demand Charge

**LARGE EXCEEDING 100 KV - *TARIFF NO. 2005-62***

| | | | | |
|---|---|---|---|---|
| | Energy Charge: | @ | 2.187 | ¢ / 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, 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. 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. 2005-50***

| | |
|---|---|
| Basic Charge: | $ 15.86 |
| PLUS | |
| Energy Charge: | @ 7.240¢ / 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. 2005-51***

| | |
|---|---|
| Basic Charge: | $ 22.01 |
| PLUS | |
| Energy Charge: | @ 7.240¢ / 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 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 kV.A

(Utility-Owned Transformation)

**MEDIUM - *TARIFF NO. 2005-52***

| | | | |
|---|---|---|---|
| | Basic Charge: | | $ 27.65 |
| | PLUS | | |
| | Energy Charge: | @ | 7.240 ¢ / 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 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)

**LARGE 750 V TO NOT EXCEEDING 30 KV - *TARIFF NO. 2005-53***

| | | | |
|---|---|---|---|
| | Energy Charge: | @ 6.38 | ¢ / kW.h |
| | PLUS | | |
| * | Demand Charge: | @ $ 1.77 | / kV.A |

Minimum Bill: Demand Charge

**LARGE 30 KV TO NOT EXCEEDING 100 KV - *TARIFF NO. 2005-54***

| | | | |
|---|---|---|---|
| | Energy Charge: | @ 5.67 | ¢ / kW.h |
| | PLUS | | |
| * | Demand Charge: | @ $ 1.56 | / kV.A |

Minimum Bill: Demand Charge

**LARGE EXCEEDING 100 KV - *TARIFF NO. 2005-55***

| | | | |
|---|---|---|---|
| | Energy Charge: | @ 5.26 | ¢ / 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 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. 2005-29***

| Element Size | | Uncontrolled |
|---|---|---|
| 500 | W | $ 12.27 |
| 600 | W | $ 14.68 |
| 750 | W | $ 18.29 |
| 1,000 | W | $ 24.59 |
| 1,200 | W | $ 29.40 |
| 1,500 | W | $ 36.61 |
| 2,000 | W | $ 45.90 |
| 2,500 | W | $ 55.20 |
| 3,000 | W | $ 64.24 |
| 3,500 | W | $ 73.26 |
| 3,800 | W | $ 80.95 |
| 4,000 | W | $ 82.29 |
| 4,500 | W | $ 91.33 |
| 5,000 | W | $ 100.36 |
| 6,000 | W | $ 118.41 |
| 6,500 | W | $ 131.10 |
| 7,000 | W | $ 136.48 |
| 7,500 | W | $ 149.68 |
| 8,000 | W | $ 154.54 |
| 9,000 | W | $ 172.59 |
| 10,000 | W | $ 190.65 |
| 10,500 | W | $ 199.69 |
| 12,000 | W | $ 226.78 |
| 12,500 | W | $ 235.82 |
| 13,000 | W | $ 244.83 |
| 13,500 | W | $ 253.81 |
| 14,500 | W | $ 271.87 |
| 15,000 | W | $ 280.96 |
| 16,000 | W | $ 299.02 |
| 16,500 | W | $ 316.86 |
| 18,000 | W | $ 335.14 |
| 19,000 | W | $ 363.30 |
| 20,000 | W | $ 371.25 |
| 23,000 | W | $ 437.60 |
| 24,000 | W | $ 456.18 |
| 25,000 | W | $ 461.55 |
| 3,000 / 1,000 | W | $ 29.98 |
| 2,000 / 1,500 | W | $ 37.96 |
| 3,000 / 1,500 | W | $ 38.40 |
| 4,500 / 1,500 | W | $ 39.31 |

## 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. 2005-20 or 2005-21**:

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 |
| 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. 2005-80:***

| Watts | Rate Per Month | |
|---|---|---|
| | Shared | Exclusive |
| 200 F | - | $ 8.92 |
| 20 CF | - | $ 1.91 |
| | | |
| 100 I | $ 4.11 | $ 8.92 |
| 150 I | - | $ 8.92 |
| 300 I | - | $ 12.72 |
| 500 I | $ 10.76 | $ 17.54 |
| | | |
| 400 MH | - | $ 21.37 |
| | | |
| 175 MV | $ 7.94 | $ 12.72 |
| 250 MV | $ 9.10 | $ 14.41 |
| 400 MV | $ 12.48 | $ 17.24 |
| | | |
| 70 HPS | $ 6.84 | $ 11.22 |
| 70 HPS 24 hours | - | $ 12.61 |
| 100 HPS | $ 7.09 | $ 11.84 |
| 150 HPS | $ 8.69 | $ 13.36 |
| 250 HPS | $ 11.07 | $ 15.40 |
| 400 HPS | $ 12.71 | $ 21.37 |
| 400 HPS 2/100' | - | $ 33.04 |
| 400 HPS 4/100' | - | $ 24.26 |
| 750 HPS | $ 19.69 | $ 31.25 |
| 1 000 HPS | - | $ 36.24 |
| 1 000 HPS 1/60' | - | $ 37.08 |
| 1 000 HPS 2/100' | - | $ 44.45 |
| 1 000 HPS 4/100' | - | $ 38.12 |

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. 2005-81:***

| Watts | Rate Per Month | |
|---|---|---|
| | Shared Pole/Luminaire | Exclusive Pole/Luminaire |
| 100 I | $ 4.66 | - |
| 150 I | $ 4.66 | $ 9.66 |
| 300 I | $ 8.49 | - |
| 500 I | $ 11.42 | $ 18.70 |
| 250 MV | $ 10.52 | $ 15.38 |
| 400 MV | $ 12.86 | $ 17.27 |
| 500 Q | $ 17.66 | $ 22.39 |

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. 2005-82:***

| Watts | Rate Per Month | |
|---|---|---|
| | Shared Pole/Luminaire | Exclusive Pole/Luminaire |
| 70 HPS | $ 6.84 | $ 11.22 |
| 100 HPS | $ 7.09 | $ 11.84 |
| 150 HPS | $ 8.69 | $ 13.36 |
| 250 HPS | $ 11.07 | $ 15.40 |

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. 2005-83:***

| Watts | Rate Per Month | |
|---|---|---|
| | **Flat Rate (Energy and Rental)** | **Metered (Rental Only)** |
| 100 HPS | $ 8.80 | $ 6.06 |
| 150 HPS | $ 11.64 | $ 8.28 |
| 175 MV | $ 9.08 | $ 6.06 |
| 400 MV | $ 15.02 | $ 8.28 |

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. 2005-84*

Connected load @ $0.784 / kW per night of scheduled use:

Minimum Monthly Bill: $ 16.00

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. 2005-85*

Connected load @ $0.784 / kW per night of scheduled use:

Minimum Monthly Bill: $ 16.00

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. 2005-86*

Connected load @ $0.0625 / 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.