



**RP-2005-0020**  
**EB-2005-0381**

**IN THE MATTER OF** the Ontario Energy Board Act, 1998,  
S.O. 1998, c. 15, Schedule B; as amended

**AND IN THE MATTER OF** an Application by Hydro Ottawa  
Limited for an Order or Orders approving or fixing just and  
reasonable rates for distribution service.

**BEFORE:** Gordon Kaiser  
Vice Chair and Presiding Member

Ken Quesnelle  
Member

Cathy Spoel  
Member

**Rate Order Arising from Decision with Reasons**  
**RP-2005-0020 / EB-2005-0381**

In the Board's Decisions with Reasons issued April 12, 2006 Hydro Ottawa Limited was directed to file with the Board and with all intervenors of record its tariffs and rates reflecting the Board's finding in this Decision. The tariffs and rate schedule is to have an effective date of May 1, 2006, and are to be final, with the exception of the Standby Rates which are interim. The company filed their tariff of rates and charges with the Board and intervenors on April 14, 2006. The company reports no comments from the intervenors within the following five days.

**THE BOARD ORDERS THAT:**

- 1) The Tariff and Rates set out in Appendix "A" of this Order are approved, effective May 1, 2006, for electricity consumed or estimated to have been consumed on and after May 1, 2006. The application of the revised distribution rates shall be prorated to May 1, 2006. If Hydro Ottawa Limited's billing system is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors shall be implemented upon the first subsequent billing for each billing cycle.
- 2) The Tariff and Rates set out in Appendix "A" of this Order supersede all previous distribution rate schedules approved by the Ontario Energy Board for Hydro Ottawa Limited
- 3) The Tariff and Rates set out in Appendix "A" of this Order are final in all respects, except for the standby rates which are approved as interim.
- 4) Hydro Ottawa Limited shall notify its customers of the rate changes no later than with the first bill reflecting the new rates.

DATED at Toronto, April 28, 2006.

**ONTARIO ENERGY BOARD**

A handwritten signature in black ink, appearing to read "P. O'Dell", written over a horizontal line.

Peter H. O'Dell  
Assistant Board Secretary

**Appendix "A"**

**To The Rate Order Arising from Decision with Reasons**

**RP-2005-0020**

**EB-2005-0381**

**April 28, 2006**

# Hydro Ottawa Limited

## TARIFF OF RATES AND CHARGES

### Effective May 1, 2006

**This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors**

RP-2005-0020  
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#### APPLICATION

- The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Codes, Guidelines or Orders of the Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.
- No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code, Guideline or Order of the Board, and amendments thereto as approved by the Board, or as specified herein.
- This schedule does not contain any rates and charges relating to the electricity commodity (e.g. the Regulated Price Plan).

#### EFFECTIVE DATES

DISTRIBUTION RATES - May 1, 2006 for all consumption or deemed consumption services used on or after that date.  
SPECIFIC SERVICE CHARGES - May 1, 2006 for all charges incurred by customers on or after that date.  
LOSS FACTOR ADJUSTMENT – May 1, 2006 unless the distributor is not capable of prorating changed loss factors jointly with distribution rates. In that case, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

#### SERVICE CLASSIFICATIONS

##### Residential

This classification includes accounts taking electricity at 120/240 volts single phase where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers.

##### General Service Less Than 50 kW

This classification refers to non residential accounts taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW.

##### General Service 50 to 1,499 kW

This classification refers to non residential accounts whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,500 kW.

##### General Service 1,500 to 4,999 kW

This classification refers to non residential accounts whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 1,500 kW but less than 5,000 kW.

##### Large Use

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW.

##### Unmetered Scattered Load

This classification includes accounts taking electricity at 120/240 volts single phase whose monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed unmetered load. Qualification for this classification is at the discretion of Hydro Ottawa as defined in its Conditions of Service.

##### Standby Power

This classification refers to an account that has Load Displacement Generation equal to or greater than 500 kW and requires the distributor to provide back-up service.

##### Sentinel Lighting

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light.

# Hydro Ottawa Limited

## TARIFF OF RATES AND CHARGES

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#### **Street Lighting**

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting controlled by photocells. The consumption for these customers is based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template.

### **MONTHLY RATES AND CHARGES**

#### **Residential**

Service Charge	\$	7.88
Distribution Volumetric Rate	\$/kWh	0.0182
Regulatory Asset Recovery	\$/kWh	0.0013
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0057
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0038
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Regulated Price Plan – Administration Charge	\$	0.25

#### **General Service Less Than 50 kW**

Service Charge	\$	9.35
Distribution Volumetric Rate	\$/kWh	0.0179
Regulatory Asset Recovery	\$/kWh	0.0010
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0052
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0035
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Regulated Price Plan – Administration Charge	\$	0.25

#### **General Service 50 to 1,499 kW**

Service Charge	\$	247.16
Distribution Volumetric Rate	\$/kW	2.5354
Regulatory Asset Recovery	\$/kW	0.6098
Retail Transmission Rate – Network Service Rate	\$/kW	2.1676
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.4373
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Regulated Price Plan – Administration Charge (if applicable)	\$	0.25

#### **General Service 1,500 to 4,999 kW**

Service Charge	\$	3,961.67
Distribution Volumetric Rate	\$/kW	2.3257
Regulatory Asset Recovery	\$/kW	(0.3146)
Retail Transmission Rate – Network Service Rate	\$/kW	2.2508
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5360
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Regulated Price Plan – Administration Charge (if applicable)	\$	0.25

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#### Large Use

Service Charge	\$	14,385.58
Distribution Volumetric Rate	\$/kW	2.5807
Regulatory Asset Recovery	\$/kW	(0.4299)
Retail Transmission Rate – Network Service Rate	\$/kW	2.4952
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.7297
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Regulated Price Plan – Administration Charge (if applicable)	\$	0.25

#### Unmetered Scattered Load

Service Charge (per connection)	\$	4.26
Distribution Volumetric Rate	\$/kWh	0.0190
Regulatory Asset Recovery	\$/kWh	0.0008
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0052
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0035
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Regulated Price Plan – Administration Charge (if applicable)	\$	0.25

#### Standby Power – APPROVED ON AN INTERIM BASIS

Service Charge	\$	95.00
Standby Charge – for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility):		
General Service 50 to 1,499 kW customer	\$/kW	1.2677
General Service 1,500 to 4,999 kW customer	\$/kW	1.1629
General Service Large Use customer	\$/kW	1.2904

#### Sentinel Lighting

Service Charge (per connection)	\$	1.67
Distribution Volumetric Rate	\$/kW	6.3700
Regulatory Asset Recovery	\$/kW	(0.6224)
Retail Transmission Rate – Network Service Rate	\$/kW	1.6083
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.0900
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Regulated Price Plan – Administration Charge (if applicable)	\$	0.25

#### Street Lighting

Service Charge (per connection)	\$	0.32
Distribution Volumetric Rate	\$/kW	2.4565
Regulatory Asset Recovery	\$/kW	(0.3882)
Retail Transmission Rate – Network Service Rate	\$/kW	1.6002
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.0677
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Regulated Price Plan – Administration Charge (if applicable)	\$	0.25

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#### Specific Service Charges

Customer Administration		
Arrears Certificate	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned Cheque (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at Meter - after regular hours	\$	185.00
Disconnect/Reconnect at Pole – during regular hours	\$	185.00
Disconnect/Reconnect at Pole – after regular hours	\$	415.00
Temporary Service install & remove – overhead – no transformer	\$	500.00
Specific Charge for Access to the Power Poles – per pole/year	\$	22.35
Dry core transformer distribution charge		As per Attached Table
Allowances		
Transformer Allowance for Ownership - per kW of billing demand/month	\$	(0.45)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)

#### LOSS FACTORS

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0344
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0170
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0240
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0069

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### Dry Core Transformer Losses

Transformers	No Load Loss (W)	Load Loss (W)	Monthly No Load Loss (kW)	Monthly No Load Loss (kWh)	Monthly No Load Loss (kW)	Monthly No Load Loss (kWh)	Monthly Total Loss (kW)	Monthly Total Loss (kWh)	Cost of Transmission per kW	Cost of Energy and Wholesale Market per kWh	Total Monthly cost of power	Cost of Distribution Per kW
Rates									\$2.60	\$0.06	na	\$2.61
25 KVA 1 PH	150	900	0.113	82	0.480	9	0.161	91	\$0.42	\$5.84	\$6.26	\$0.42
37.5 KVA 1 PH	200	1200	0.150	110	0.064	12	0.214	121	\$0.56	\$7.77	\$8.33	\$0.56
50 KVA 1 PH	250	1600	0.188	137	0.086	16	0.273	152	\$0.71	\$9.76	\$10.47	\$0.71
75 KVA 1 PH	350	1900	0.263	192	0.102	18	0.364	210	\$0.95	\$13.48	\$14.43	\$0.95
100 KVA 1 PH	400	2600	0.300	219	0.139	25	0.439	244	\$1.15	\$15.66	\$16.81	\$1.15
150 KVA 1 PH	525	3500	0.394	287	0.187	34	0.581	321	\$1.52	\$20.61	\$22.12	\$1.52
167 KVA 1 PH	650	4400	0.488	356	0.236	43	0.723	399	\$1.89	\$25.62	\$27.50	\$1.89
200 KVA 1 PH	696	4700	0.522	381	0.252	46	0.774	427	\$2.02	\$27.41	\$29.43	\$2.02
225 KVA 1 PH	748	5050	0.561	410	0.270	49	0.831	459	\$2.17	\$29.47	\$31.64	\$2.17
250 KVA 1 PH	800	5400	0.600	438	0.289	53	0.889	491	\$2.32	\$31.52	\$33.84	\$2.32
*15 KVA 3 PH	125	650	0.094	68	0.035	6	0.129	75	\$0.34	\$4.82	\$5.15	\$0.34
*45 KVA 3 PH	300	1800	0.225	164	0.096	8	0.321	182	\$0.84	\$11.68	\$12.52	\$0.84
*75 KVA 3 PH	400	2400	0.300	219	0.129	23	0.429	242	\$1.12	\$15.54	\$16.66	\$1.12
*112.5 KVA 3 PH	600	3400	0.450	329	0.182	33	0.632	362	\$1.65	\$23.24	\$24.89	\$1.65



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Transformer Rating (KVA)	Monthly Load (KVA)	Monthly No Load Loss (KWH)	Monthly Load Loss (KWH)	Monthly No Load Loss (KWH)	Monthly Load Loss (KWH)	Monthly Total Loss (KWH)	Customer Energy Wholesale Rate (¢/kWh)	Total Monthly Cost of Distribution		
*150 KVA 3 PH	700	0.525	383	0.241	44	0.766	427	\$2.00	\$29.41	\$2.00
*225 KVA 3 PH	900	0.675	493	0.284	52	0.959	544	\$2.50	\$37.43	\$2.50
*300 KVA 3 PH	1100	0.825	602	0.337	61	1.162	664	\$3.03	\$45.66	\$3.03
*500 KVA 3 PH	1500	1.125	821	0.519	94	1.644	916	\$4.29	\$63.10	\$4.29
*750 KVA 3 PH	2100	1.575	1150	0.643	117	2.218	1267	\$5.79	\$87.13	\$5.79

No load and load losses from CSA standard C802-94: Maximum losses for distribution, power and dry-type transformers Commercial use.

Average load factor=0.46, average loss factor = 0.2489

\*For non-preferred kVA ratings no load and load losses are interpolated as per CSA standard.