

# **Hydro Ottawa Limited**

## **TARIFF OF RATES AND CHARGES**

### **Effective May 1, 2009**

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

EB-2008-0188

#### **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, 2009 for all consumption or deemed consumption services used on or after that date.

**SPECIFIC SERVICE CHARGES** - May 1, 2009 for all charges incurred by customers on or after that date.

**RETAIL SERVICE CHARGES** – May 1, 2009 for all charges incurred by retailers or customers on or after that date.

**LOSS FACTOR ADJUSTMENT** – May 1, 2009 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.

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#### **Sentinel Lighting**

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

#### **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	\$	10.18
Distribution Volumetric Rate	\$/kWh	0.0207
Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery		
Rate Rider – effective until April 30, 2010	\$/kWh	0.0005
Low Voltage Services Charge	\$/kWh	0.0002
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0056
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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

Service Charge	\$	16.38
Distribution Volumetric Rate	\$/kWh	0.0185
Low Voltage Services Charge	\$/kWh	0.0002
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0051
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0039
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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

Service Charge	\$	251.99
Distribution Volumetric Rate	\$/kW	3.0271
Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery		
Rate Rider – effective until April 30, 2010	\$/kW	0.0045
Distribution Volumetric Tax Change Rate Rider – effective until April 30, 2010	\$/kW	(0.0035)
Low Voltage Services Charge	\$/kW	0.0758
Retail Transmission Rate – Network Service Rate	\$/kW	2.1112
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5878
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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

Service Charge	\$	4,026.51
Distribution Volumetric Rate	\$/kW	2.8910
Lost Revenue Adjustment Mechanism (LRAM) Recovery/Shared Savings Mechanism (SSM) Recovery Rate Rider – effective until April 30, 2010	\$/kW	0.0019
Distribution Volumetric Tax Change Rate Rider – effective until April 30, 2010	\$/kW	(0.0041)
Low Voltage Services Charge	\$/kW	0.0809
Retail Transmission Rate – Network Service Rate	\$/kW	2.1922
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.6969
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Large Use

Service Charge	\$	14,618.83
Distribution Volumetric Rate	\$/kW	2.7675
Distribution Volumetric Tax Change Rate Rider – effective until April 30, 2010	\$/kW	(0.0035)
Low Voltage Services Charge	\$/kW	0.0912
Retail Transmission Rate – Network Service Rate	\$/kW	2.4301
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.9109
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Unmetered Scattered Load

Service Charge (per connection)	\$	4.02
Distribution Volumetric Rate	\$/kWh	0.0200
Low Voltage Services Charge	\$/kWh	0.0002
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0051
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0039
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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

Service Charge	\$	107.64
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	1.4364
General Service 1,500 to 4,999 kW customer	\$/kW	1.3176
General Service Large Use customer	\$/kW	1.4622

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#### Sentinel Lighting

Service Charge (per connection)	\$	1.89
Distribution Volumetric Rate	\$/kW	7.2174
Distribution Volumetric Tax Change Rate Rider – effective until April 30, 2010	\$/kW	(0.0124)
Low Voltage Services Charge	\$/kW	0.0575
Retail Transmission Rate – Network Service Rate	\$/kW	1.5664
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.2042
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### Street Lighting

Service Charge (per connection)	\$	0.49
Distribution Volumetric Rate	\$/kW	3.4439
Distribution Volumetric Tax Change Rate Rider – effective until April 30, 2010	\$/kW	(0.0048)
Low Voltage Services Charge	\$/kW	0.0563
Retail Transmission Rate – Network Service Rate	\$/kW	1.5585
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.1796
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

#### 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
Unprocessed Payment Charge (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	\$/kW	(0.45)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)

Revised March 20, 2009

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#### Retail Service Charges (if applicable)

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

#### 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 Charges

Transformers	No Load Loss (W)	Load Loss (W)	Cost of Transmission per kW	Cost of Energy and Wholesale Market per kWh	Total Monthly cost of power	Cost of Distribution per kW	Total
Rates			\$3.6049	\$0.0751		\$3.1561	
25 KVA 1 PH	150	900	\$0.58	\$6.83	\$7.41	\$0.51	\$7.92
37.5 KVA 1 PH	200	1200	\$0.77	\$9.11	\$9.88	\$0.68	\$10.55
50 KVA 1 PH	250	1600	\$0.98	\$11.45	\$12.44	\$0.86	\$13.30
75 KVA 1 PH	350	1900	\$1.31	\$15.79	\$17.10	\$1.15	\$18.25
100 KVA 1 PH	400	2600	\$1.58	\$18.36	\$19.94	\$1.39	\$21.33
150 KVA 1 PH	525	3500	\$2.10	\$24.16	\$26.25	\$1.83	\$28.09
167 KVA 1 PH	650	4400	\$2.61	\$29.96	\$32.56	\$2.28	\$34.85
200 KVA 1 PH	696	4700	\$2.79	\$32.07	\$34.86	\$2.44	\$37.30
225 KVA 1 PH	748	5050	\$3.00	\$34.46	\$37.46	\$2.62	\$40.09
250 KVA 1 PH	800	5400	\$3.21	\$36.86	\$40.06	\$2.81	\$42.87
*15 KVA 3 PH	125	650	\$0.46	\$5.62	\$6.08	\$0.41	\$6.49
*45 KVA 3 PH	300	1800	\$1.16	\$13.66	\$14.82	\$1.01	\$15.83
*75 KVA 3 PH	400	2400	\$1.54	\$18.21	\$19.76	\$1.35	\$21.11
*112.5 KVA 3 PH	600	3400	\$2.28	\$27.17	\$29.45	\$1.99	\$31.44
*150 KVA 3 PH	700	4500	\$2.76	\$32.09	\$34.85	\$2.42	\$37.27
*225 KVA 3 PH	900	5300	\$3.46	\$40.90	\$44.36	\$3.03	\$47.38
*300 KVA 3 PH	1100	6300	\$4.19	\$49.86	\$54.05	\$3.67	\$57.72
*500 KVA 3 PH	1500	9700	\$5.93	\$68.80	\$74.73	\$5.19	\$79.92
*750 KVA 3 PH	2100	12000	\$7.99	\$95.17	\$103.16	\$7.00	\$110.16
*1000 KVA 3 PH	2600	15000	\$9.93	\$117.93	\$127.85	\$8.69	\$136.54
*1500 KVA 3 PH	4000	22000	\$15.06	\$180.64	\$195.70	\$13.19	\$208.89
*2000 KVA 3 PH	4800	24000	\$17.61	\$215.01	\$232.63	\$15.42	\$248.04
*2500 KVA 3 PH	5700	26000	\$20.43	\$253.50	\$273.93	\$17.89	\$291.82

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

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