

Gross Load Billing (GLB) for Distribution Connected Customers

What customers are subject to Gross Load Billing?

Gross Load Billing (GLB) is applicable to Sub-Transmission customers with Load Displacement Generation facilities and to Local Distribution Companies (LDCs) with embedded generation.

What criteria qualify a customer for Gross Load Billing?

1. The required approval for such generation was obtained after October 30, 1998
2. The gross load billing will be applicable to the generation facility if any single generating unit at the facility exceeds the threshold listed below, regardless of cumulative size of the generation facility
 - equal to or greater than 1 MW with **non-renewable generation**
 - equal to or greater than 2 MW for **renewable generation** (wind, solar, biomass, bio-oil, bio-gas, landfill gas, or water).

Why are customers Gross Load Billed?

As per the OEB approved Hydro One distribution rates, Gross Load Billing recovers the costs Hydro One incurs to build and maintain the assets needed in order to meet the customer's maximum demand. (<http://www.hydroone.com/REGULATORYAFFAIRS/Pages/RateSchedules.aspx>)

What charges are billed at Gross Demand?

- Delivery (all based on the overall peak demand for a billing period)
 - Common ST
 - Transmission Line Connection
 - Transmission Transformation Connection / HVDS High Facility Charge
 - Volumetric Rate Riders
 - Example: 500kW + 2,000kW Generation = 2,500kW billed peak demand

What charges are billed at Net of Generation?

- Transmission Network Service Charge (Based on the peak reached on business days from 7 am to 7 pm – local time)
 - Net Demand
 - Example: 500kW (2,000kW Generation netted out) = 500kW billed demand for Network Service Charge
- Commodity & Regulatory Charges
 - Net consumption (kWh)
 - Example: Total Consumption(1,800,000kWh) minus total Generation (1,440,000kWh) = 36,000 billable kWh

What is the impact to fixed charges?

- Additional Meter Charge
 - Customer must install a Hydro One meter to allow the generation output to be monitored

What is Debit Retirement Charge self-declaration?

For information on how Load Displacement Generation impacts the Debt Retirement Charge and how to apply for exemption please visit the Ministry of Finance link below:
<http://www.fin.gov.on.ca/en/guides/drc/101.html>

How is my Class A qualification impacted by Gross Load Billing?

Class A qualification is currently assessed on average peak Demand kW net of generation. This may result in not meeting Class A qualification or it may not be the optimal billing method net of generation.

Contact information

Hydro One Business Customer Center
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Examples of customer billing impacts

Example 1: 2MW Sub-transmission Class B

Invoice of 2 MW Customer (CLASS B) Without Generation					Difference	Invoice of 2 MW Customer (CLASS B) Full Displacement Generator Running On Peak Times (34%)				
Line Item	Net Amount	Rate	Quantity			Line Item	Net Amount	Rate	Quantity	
Electricity	\$ 27,705.68	\$ 0.0231	1,200,000.00		\$ 19,137.68	Electricity	\$ 8,568.00	\$ 0.0210	408,000.00	
Class B GA	\$ 99,240.00	\$ 0.0827	1,200,000.00		\$ 65,498.40	Class B GA	\$ 33,741.60	\$ 0.0827	408,000.00	
Delivery						Delivery				
Service Charge	\$ 481.41	\$481.41	1	\$ -		Service Charge	\$ 481.41	\$481.41	1	
Meter Charge	\$ 741.21	\$ 741.21	1	\$ (741.21)		Meter Charge	\$ 1,482.42	\$ 741.21	2	
Rider for Variance - General	\$ 11.62	\$ 11.62	1	\$ -		Rider for Variance - General	\$ 11.62	\$ 11.62	1	
Rider for Foregone Revenue	\$ 47.56	\$ 47.56	1	\$ -		Rider for Foregone Revenue	\$ 47.56	\$ 47.56	1	
Common ST	\$ 2,348.00	\$ 1.1740	2,000.00	\$ -		Common ST	\$ 2,348.00	\$ 1.1740	2,000.00	
Rider for Variance - General - Volumetric	\$ 630.20	\$ 0.3151	2,000.00	\$ -		Rider for Variance - General - Volumetric	\$ 630.20	\$ 0.3151	2,000.00	
Rider for Variance - Wholesale Market Service	\$ (893.00)	\$ (0.4465)	2,000.00	\$ -		Rider for Variance - Wholesale Market Service	\$ (893.00)	\$ (0.4465)	2,000.00	
TX Network Service	\$ 6,906.29	\$ 3.3396	2,068.00	\$ 6,906.29		TX Network Service	\$ -	\$ 3.3396	0.00	
Tx Line Connection	\$ 1,611.18	\$ 0.7791	2,068.00	\$ -		Tx Line Connection	\$ 1,611.18	\$ 0.7791	2,068.00	
Tx Transformation Connection	\$ 3,663.05	\$1.7713	2,068.00	\$ -		Tx Transformation Connection	\$ 3,663.05	\$1.7713	2,068.00	
				\$ -						
Regulatory						Regulatory				
Wholesale Market Service	\$ 4,320.00	\$ 0.0036	1,200,000.00	\$ 2,524.80		Wholesale Market Service	\$ 1,795.20	\$ 0.0044	408,000.00	
Rural & Remote Rate Protection	\$ 1,560.00	\$ 0.0013	1,200,000.00	\$ 1,029.60		Rural & Remote Rate Protection	\$ 530.40	\$ 0.0013	408,000.00	
Ontario Electricity Support Program Charge	\$ 1,320.00	\$ 0.0011	1,200,000.00	\$ 871.20		Ontario Electricity Support Program Charge	\$ 448.80	\$ 0.0011	408,000.00	
Standard Supply Admin	\$ 0.25	\$ 0.25	1	\$ -		Standard Supply Admin	\$ 0.25	\$ 0.25	1	
Debt Retirement Charge	\$ 8,123.79	\$ 0.007	1,160,541.59	\$ -		Debt Retirement Charge	\$ 8,123.79	\$ 0.007	1,160,541.59	
HST	\$ 20,516.24			\$ 12,379.48		HST	\$ 8,136.76			
TOTAL	\$ 178,333.49			\$ 107,606.25		TOTAL	\$ 70,727.24			

Example 2: 5.2MW Sub-transmission Class A

Invoice of 5.2MW Customer Without Generation					Difference	Invoice of 5.2MW Customer Full Displacement Generator Running On Peak Times (34%)				
Line Item	Net Amount	Rate	Quantity			Line Item	Net Amount	Rate	Quantity	
Electricity	\$ 69,264.21	\$ 0.0231	3,000,000.00		\$ 47,844.21	Electricity	\$ 21,420.00	\$ 0.0210	1,020,000.00	
Class A GA	\$ 150,000.00				\$ -	Class A GA	\$ 150,000.00			
Delivery						Delivery				
Service Charge	\$ 481.41	\$481.41	1		\$ -	Service Charge	\$ 481.41	\$481.41	1	
Meter Charge	\$ 741.21	\$ 741.21	1		\$ (741.21)	Meter Charge	\$ 1,482.42	\$ 741.21	2	
Rider for Variance - General	\$ 11.62	\$ 11.62	1		\$ -	Rider for Variance - General	\$ 11.62	\$ 11.62	1	
Rider for Foregone Revenue	\$ 47.56	\$ 47.56	1		\$ -	Rider for Foregone Revenue	\$ 47.56	\$ 47.56	1	
Common ST	\$ 5,870.00	\$ 1.1740	5,000.00		\$ -	Common ST	\$ 5,870.00	\$ 1.1740	5,000.00	
Rider for Variance - General - Volumetric	\$ 1,575.50	\$ 0.3151	5,000.00		\$ -	Rider for Variance - General - Volumetric	\$ 1,575.50	\$ 0.3151	5,000.00	
Rider for Variance - Wholesale Market Service	\$ (2,232.50)	\$ (0.4465)	5,000.00		\$ -	Rider for Variance - Wholesale Market Service	\$ (2,232.50)	\$ (0.4465)	5,000.00	
TX Network Service	\$ 17,265.73	\$ 3.3396	5,170.00		\$ 17,265.73	TX Network Service	\$ -	\$ 3.3396	0.00	
Tx Line Connection	\$ 4,027.95	\$ 0.7791	5,170.00		\$ -	Tx Line Connection	\$ 4,027.95	\$ 0.7791	5,170.00	
Tx Transformation Connection	\$ 9,157.62	\$ 1.7713	5,170.00		\$ -	Tx Transformation Connection	\$ 9,157.62	\$ 1.7713	5,170.00	
					\$ -					
Regulatory						Regulatory				
Wholesale Market Service	\$ 10,800.00	\$ 0.0036	3,000,000.00		\$ 6,312.00	Wholesale Market Service	\$ 4,488.00	\$ 0.0044	1,020,000.00	
Rural & Remote Rate Protection	\$ 3,900.00	\$ 0.0013	3,000,000.00		\$ 2,574.00	Rural & Remote Rate Protection	\$ 1,326.00	\$ 0.0013	1,020,000.00	
Ontario Electricity Support Program Charge	\$ 3,300.00	\$ 0.0011	3,000,000.00		\$ -	Ontario Electricity Support Program Charge	\$ 1,122.00	\$ 0.0011	1,020,000.00	
Standard Supply Admin	\$ 0.25	\$ 0.25	1		\$ -	Standard Supply Admin	\$ 0.25	\$ 0.25	1	
Debt Retirement Charge	\$ 20,309.48	\$ 0.007	2,901,353.97		\$ -	Debt Retirement Charge	\$ 20,309.48	\$ 0.007	2,901,353.97	
HST	\$ 38,287.60				\$ 9,806.26	HST	\$ 28,481.35			
TOTAL	\$ 332,807.64				\$ 83,060.99	TOTAL	\$ 247,568.66			

Example 3: 5.2MW Sub-transmission Wholesale Market Participant

5.2MW Wholesale Market Participant Without Generation					Difference	5.2MW Wholesale Market Participant Full Displacement Generator Running On Peak Times (34%)				
Line Item	Net Amount	Rate	Quantity			Line Item	Net Amount	Rate	Quantity	
Delivery						Delivery				
Service Charge	\$ 481.41	\$481.41	1		\$ -	Service Charge	\$ 481.41	\$481.41	1	
Meter Charge	\$ -	\$ 741.21	0		\$ (741.21)	Meter Charge	\$ 741.21	\$ 741.21	1	
Rider for Variance - General	\$ 11.62	\$ 11.62	1		\$ -	Rider for Variance - General	\$ 11.62	\$ 11.62	1	
Rider for Foregone Revenue	\$ 47.56	\$ 47.56	1		\$ -	Rider for Foregone Revenue	\$ 47.56	\$ 47.56	1	
Common ST	\$ 5,870.00	\$ 1.1740	5,000.00		\$ -	Common ST	\$ 5,870.00	\$ 1.1740	5,000.00	
Rider for Variance - General - Volumetric	\$ 1,575.50	\$ 0.3151	5,000.00		\$ -	Rider for Variance - General - Volumetric	\$ 1,575.50	\$ 0.3151	5,000.00	
TX Network Service	\$ 17,265.73	\$ 3.3396	5,170.00		\$ 17,265.73	TX Network Service	\$ -	\$ 3.3396	0.00	
Tx Line Connection	\$ 4,027.95	\$ 0.7791	5,170.00		\$ -	Tx Line Connection	\$ 4,027.95	\$ 0.7791	5,170.00	
Tx Transformation Connection	\$ 9,157.62	\$ 1.7713	5,170.00		\$ -	Tx Transformation Connection	\$ 9,157.62	\$ 1.7713	5,170.00	
HST	\$ 4,996.86				\$ 2,148.19	HST	\$ 2,848.67			
TOTAL	\$ 43,434.25				\$ 18,672.71	TOTAL	\$ 24,761.54			