

Proposal for Comment

- Comments are requested by April 19th
- Please forward to CAreview@oeb.gov.on.ca

Data Requirements for Load Profiles by Rate Classification

Rate Classification - Residential	Data Requirements
1. Residential Class – accounts for individually metered residential sites taking electricity at ≤ 750 volts (also includes HONI urban class)	Generic load data/(LDC appliance survey if available)/LDC consumption data
1a. Residential Urban – Residential accounts for areas with 15 or more customers per km.	Generic load data/(LDC appliance survey if available)/LDC consumption data
1b. Residential Suburban – Residential accounts for areas with less than 15 customers per km	Generic load data/ LDC appliance survey/LDC consumption data
1c. Residential Suburban Seasonal – Residential suburban accounts that do not occupy premises at least 8 months out of the year, etc.	Generic load data/LDC appliance survey/LDC consumption data
1d. HONI Residential High Density	Generic load data/appliance survey/consumption data
1e. HONI Residential Normal Density	Generic load data/appliance survey/consumption data
1f. HONI Residential Seasonal High Density	Generic load data/appliance survey/consumption data
1g. HONI Residential Seasonal Normal Density	Generic load data/appliance survey/consumption data
1h. HONI Farm Rate Single-Phase	Generic load data/appliance survey/consumption data
1i. Residential Interval Meter	Interval Meter

Data Requirements for Load Profiles by Rate Classification

Rate Classification – General Service \leq 50 kW	Data Requirements
2. General Service less than 50 kW – non-residential accounts taking service at 750 volts or less with monthly average peak demand \leq 50 kW	Residual load shape
2a GS \leq 50 kW Urban (not applicable for 2006?)	Use residual load shape
2b. GS \leq 50 kW Suburban (not applicable for 2006?)	Use residual load shape
2c. GS \leq 50 kW TOU (not applicable for 2006?)	Use residual load shape
2d. Special Small Commercial User – non-residential account with forecast peak \leq 50 kW	Use default profile for GS \leq 50 KW for metered customers and profile for UMSL for unmetered customers

Data Requirements for Load Profiles by Rate Classification

Rate Classification – General Service > 50 kW	Data Requirements
3. General Service greater than 50 kW - non-residential accounts with monthly average peak demand > 50 kW and delivery at bulk level	Generic load data/LDC industrial grouping data/LDC consumption data
3a. GS >50 kW – Urban (not applicable for 2006?)	Generic load data/LDC industrial grouping data/LDC consumption data
3b. GS >50 kW – Suburban (not applicable for 2006?)	Generic load data/LDC industrial grouping data/LDC consumption data
3c. GS >50 kW – TOU Classification to be eliminated [Rename as “Intermediate” if it meets legacy test for intermediate (customer load represents 10% or more of the utility’s load); or new classification with discrete demand range; otherwise roll into GS > 50 kW class]	Interval data or if no interval data available use generic load data /LDC industrial grouping data/ LDC consumption data
3d. GS >50 kW Interval Metered – GS >50 with interval metering	Interval meter data
3e. Water Sewage Treatment Plant Rate	If Interval Meter data not available use industry grouping data profile with some adjustments for specific load
3f. HONI Farm Rate Three-Phase	Generic load data/appliance survey/consumption data

Data Requirements for Load Profiles by Rate Classification

Rate Classification – GS Intermediate Use	Data Requirements
<p>4. General Service Intermediate User or Discrete Demand Range</p> <ul style="list-style-type: none"> - Legacy test for Intermediate (customer load represents 10% or more of the utility’s load); or - Customer load within discrete demand range (e.g. 3000 kW - 5000 kW). 	<p>Interval meter data Utility to provide industry grouping breakouts to create load profiles</p>
<p>4a. HONI Industrial Commercial General Service Urban Density - Energy metered customers charged on kWh basis, demand metered customers charged on kW basis</p>	<p>Use interval meter data if available otherwise use industry grouping breakouts</p>
<p>4b. HONI Industrial Commercial General Service Single Phase G1 - not located in urban zone - Energy metered customers charged on kWh basis, demand metered customers charged on kW basis</p>	<p>Use Interval meter data if available otherwise use industry grouping breakouts</p>
<p>4c HONI Industrial Commercial General Service Three Phase G3 – not located in urban zone -Energy metered customers charged on kWh basis, demand metered customers charged on kW basis</p>	<p>Use interval meter data if available otherwise use industry grouping breakouts</p>
<p>4d. HONI Industrial Commercial Sub-Transmission T- not located in urban zone - Energy metered customers charged on kWh basis, demand metered customers charged on kW basis</p>	<p>Use interval meter data if available otherwise use industry grouping breakouts</p>

Data Requirements for Load Profiles by Rate Classification

Rate Classification – Large User	Data Requirements
5. Large User - accounts with monthly average peak demand greater than 5000 kW	Interval Meter data
5a New Large Use Class - to address new LDC Large Use customer(s)	1. If customer is currently part of GS>50kW or GS intermediate class etc., interval meter data should be available 2 In greenfield situation, use GS>50kW until reasonably stable load data available
5b. Special 3TS Rate - served from a dedicated transformer station	Interval Meter data
5c. Special Ford Annex Rate – served from a dedicated transformer station	Interval Meter data
5d. Special Large Customer Rate – An LDC has a large use rate with one customer.	Interval Meter data
5e. HONI acquired utilities’ Large User Rates	Interval Meter data
5f. HONI Direct Customers - accounts with monthly average peak demand greater than 5000 kW treated as HONI LV distribution customers (i.e. inherited from OPG) [5e and 5f to be merged in filing]	Interval Meter data

Data Requirements for Load Profiles by Rate Classification

Rate Classification - Other	Data Requirements
6. Street Lights	OEB approved Load Profile
6a. Street Lights TOU	To be assumed there is an approved load profile
7. Sentinel Lights and Photo Sensitive UMSL	Use OEB approved street light load profile
8. UMSL not Photo Sensitive	Use Deemed Load Profile to be established
9. Standby Power/Back-up Power – Load displacement including non-utility generation. (Where it is a separate rate classification)	LDC must provide necessary data <ol style="list-style-type: none"> 1. Metered generation load shape of customer in its entirety. 2. In the case where the output of the generator is not metered, estimated generation profile for 8760 points [Note: Above data still required even when Standby charge is not a separate rate classification. Will be modelled differently]
10. Merchant Generation (where proposed-approved separate class)	Same as 9 above.
11. Embedded Distributor – host distributor transfers power to an embedded distributor	Interval Meter data.

Additional Comments

1. The standard OEB Cost Allocation Filing Model will not address “zonal” rates and utilities will have to make their own adjustments in the model. If utility has Board approval for the harmonization of rates prior to or as part of the 2006 EDR or if it has a specific commitment for harmonization in its EDR 2006 application or as part of the MAADs approval by the time of its cost allocation filing, then distinct load profiles are not required in the filing model. Otherwise, utility is required to collect load data for each of the zonal rates included in its filing.
2. Utilities may be required to breakout load by percentage into bulk, primary and secondary using definitions yet to be developed, for the purpose of model filing. This will be updated at the next workshop.