

PROPOSED DATA REQUIREMENTS FOR UTILITY SPECIFIC LOAD PROFILE ANALYSIS

A. General Comments:

1. This data request is preliminary and may be updated as required. LDC may be required to provide additional data as appropriate (e.g. changes due to mergers and acquisitions).
2. Test year in this document pertains to either historical test year (such as 2004 for LDCs that use historical test year in their 2006 EDR applications) or future test year (such as 2006 for LDCs that use future test year in their 2006 EDR applications).
3. This request assumes the use of generic load shapes from Ontario Load Data Research Group, the use of Hydro One weather normalization methodology and Hydro One to prepare utility specific load shapes. Please send all questions, if any, to LoadResearch@HydroOne.com.
4. For LDCs that use historical test year in their 2006 EDR applications, the annual sum of items 3 to 7 for 2004 (consumed kWh by rate class with losses) must be equal to the annual sum of items 1 and 2 (total LDC wholesale purchases with losses). LDC will provide items 3 to 7 so that they add up to the total LDC wholesale purchase level. LDC needs to consider adjustments which are typically made for unbilled kWh. There may be other potential adjustments required to address items such as: i) errors introduced by billing cycle, ii) differences between OEB approved loss factors and actual loss factors, iii) loss of billing data, iv) theft of power. Similarly, for LDCs that use future test year in their 2006 EDR applications, numbers for the future test year must add up.

B. Information Required from LDC:

1. Four years (i.e. 48 months, May 01 2002 to April 30 2006) of hourly kWh purchases (4 x 8760) for the LDC (i.e. total purchases at the wholesale level with losses included). This information may be obtained from the IESO (if LDC is a wholesale market participant) or from the host LDC (if LDC is not a wholesale market participant).
2. Four years (i.e. 48 months, May 01 2002 to April 30 2006) of hourly kWh purchases (4 x 8760) from embedded generation including losses if applicable.
3. Four years (i.e. 48 months, May 01 2002 to April 30 2006) of hourly kWh at the wholesale level for customers with interval meters (i.e. losses included) by rate class, by industry classification¹ (detailed classification table to be provided by mid April, finalized by the end of April).
4. (a) One year (test year) of hourly kWh at the wholesale level (i.e. losses included) of street lighting, sentinel lighting and unmetered scattered load (USL). (If no actual hourly data is available, OEB deemed profiles should be used to estimate hourly data). USL should be divided into photo-sensitive type and non photo-sensitive type. In addition, non photo-sensitive type will be further divided into weather sensitive (e.g. cable TV devices with heaters) and non-weather sensitive loads. LDC will provide USL annual kWh by type (photo-sensitive, non photo-sensitive, weather sensitive and non-weather sensitive) for the test year. Please note the LDC is responsible to make accrual and unbilled analysis² as required in order to bring the total monthly billing information consistent with wholesale purchases for these types of loads for the calendar month.

(b) Decision on potential USL load profile for upcoming filings is required by mid May 2006. Results from monitored data undertaken by LDCs will be available early May and will be discussed with working group and cable TV industry representatives. LDC will provide USL annual kWh by type (photo-sensitive, non photo-sensitive, weather sensitive and non-weather sensitive) for the test year.

¹ Industry Classification:

All industry classifications will be done using NAICS-2002 (North American Industry Classification System). If LDC is using other classification systems such as SIC 1980 or 1987 (Standard Industrial Classification), please convert that to NAICS-2002. Hydro One will provide conversion guidance if required. If LDC does not have any classification system, please provide industry classification according to a short list of industry groupings as specified by Hydro One.

² It is expected that accrual and billing analysis will be applied to total class monthly kWh only (not by industry classification or by individual customer).

5. (a) For residential customers, if you have appliance survey results, provide detailed appliance survey results³ together with total number of residential customers⁴ for the test year and total class monthly kWh at the wholesale level (i.e. losses included). Please note the LDC is responsible to make accrual and unbilled analysis² as required in order to bring the total monthly billing information consistent with wholesale purchases for these customers for the calendar month. In addition, LDC has to provide annual kWh by six pre-defined groups⁵ (no accrual adjustment is required for this batch of data). If your (main) residential class includes a significant number of seasonal customers (defined as customers residing at their premises for less than 8 months), please provide 2 years of monthly kWh for each residential customer so that special analysis could be performed to determine the mix between regular and seasonal customers (no accrual adjustment is required for this batch of data).
- (b) If you do not have appliance survey results, please provide total number of residential customers⁴ for the test year and total class monthly kWh at the wholesale level (i.e. losses included). Please note the LDC is responsible to make accrual and unbilled analysis² as required in order to bring the total monthly billing information consistent with wholesale purchases for these customers for the calendar month. Please also provide 2 years of monthly kWh for each residential customer so that special analysis could be performed (no accrual adjustment is required for this batch of data).
6. For general service >50 kW customers without interval meters, please provide monthly total class kWh for the test year at the wholesale level (i.e. losses included) by industry classification¹ (detailed classification table to be provided by mid April, finalized by the end of April). Please note the LDC is responsible to make accrual and unbilled analysis⁴ as required in order to bring the total monthly kWh billing information consistent with wholesale purchases for these customers for the calendar month. In addition, please provide 2 years of monthly kW and total monthly kWh for each of the >50 kW general service customers (with their industry classifications) so that further load factor analysis could be performed (no accrual adjustment is required for this batch of data).
7. (a) For general service <50 kW customers without interval meter, please provide monthly total class kWh for the test year at the wholesale level (i.e. losses included). Please note the LDC is responsible to make accrual and unbilled analysis⁴ as required in order to bring the total monthly kWh billing information consistent with wholesale purchases for these customers for the calendar month.
- (b) For general service <50 kW customers without interval meter, the LDC may wish to provide industry classification information¹ (detailed classification table to be provided by mid April, finalized by the end of April). This is optional as it is used for checking purposes only [OEB has approved LDC to use this classification as residual].
8. For Back-up/Standby Power (Load displacement including non-utility generation, where it is a separate rate classification in 2006), LDC must provide one year of hourly load and generation kWh data (2 x 8760) with losses for the test year. If the generator is interval metered, please provide metered load and generation hourly data. If the generator is not interval metered, please provide estimated (by LDC) load and generation hourly data.
9. For specialized rate classifications (including different zonal rates) used by your LDC, please provide the above (item 1 to item 8) for each specialized rate classification as appropriate.

³ Appliance survey results:

- Detailed saturation information for electric space heating, water heating, and air conditioning.
- Number of survey respondents by six kWh groupings.

⁴ Number of customers:

- The number of customers to be provided by LDC should be consistent with the number they use in the 2006 EDR applications.

⁵ Six kWh groupings as defined by Prof. Dean Mountain are: 0-6000, 6000-10500, 10500-16500, 16500-24000, 24000-40000, and >40000 (These groupings are based on customers with a complete year of kWh information only. The summation of these groupings will not add up to the total residential kWh).