



Proposed Data Requirement for Utility Specific Load Profile Analysis

April 3, 2006



General Comments

- This data request is preliminary and may be updated as required. LDC may be required to provide additional data as appropriate.
- Test year pertains to either historical test year (2004) or future test year (2006) for LDCs in their 2006 EDR applications.
- This request assumes the use of generic load shapes from Ontario Load Data Research Group, use of Hydro One weather normalization methodology and Hydro One to prepare utility specific load shapes.
- Please send questions to LoadResearch@HydroOne.com.

Proposed Information Requirements

1. Four years of hourly kWh purchases at the wholesale level with losses included (i.e. 48 months, May 01 2002 to April 30 2006). This information may be obtained from the IESO (for wholesale market participants) or from the host LDC (for non wholesale market participant).
2. Four years of hourly kWh purchases from embedded generation including losses if applicable.
3. Four years of hourly kWh at the wholesale level for customers with interval meters with losses included by rate class, by industry classification (classification instructions to be finalized by end of April).

Proposed Information Requirements

- Industry Classification:
 - All industry classifications will be done using NAICS-2002 (North American Industry Classification System)
 - If you are already using NAICS-2002 already, that is perfect.
 - If you are 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 you don't have any classification system, please provide industry classification according to a short list of industry groupings to be specified by Hydro One.

Proposed Information Requirements

4(a). One year (test year) of hourly kWh at the wholesale level with 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.

Proposed Information Requirements

- LDC is responsible to make accrual and unbilled analysis as required in order to bring the total monthly billing information consistent with wholesale purchases for these types of loads for the calendar month.

4(b) OEB decision on potential USL load profile for upcoming filings is desirable 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.

Proposed Information Requirements

- 5(a) For residential customers, if you have appliance survey results, provide detailed appliance survey results together with total number of residential customers for the test year and total class monthly kWh at the wholesale level with losses included.
- LDC is responsible to make accrual and unbilled analysis 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 groups (no accrual adjustment is required for this batch of data).

Proposed Information Requirements

- 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).
- The accrual and billing analysis will be applied to total class monthly kWh only (not by industry classification or by individual customer).

Proposed Information Requirements

- Six kWh groupings as defined by Prof. Dean Mountain are: 0-6,000, 6,000-10,500, 10,500-16,500, 16,500-24,000, 24,000-40,000, and >40000 (These groupings are based on customers with a complete year of kWh information only).
- Appliance survey results: Detailed saturation information for electric space heating, water heating, and air conditioning. Also need grouping of survey respondents by six kWh groupings for comparison.
- 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.

Proposed Information Requirements

- 5(b) If you do not have appliance survey results, please provide total number of residential customers for the test year and total class monthly kWh at the wholesale level with losses included.
- LDC is responsible to make accrual and unbilled analysis 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).

Proposed Information Requirements

6. For general service >50 kW customers without interval meters, please provide monthly total class kWh for the test year at the wholesale level with losses included by industry classification.
- LDC is responsible to make accrual and unbilled analysis 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.

Proposed Information Requirements

- 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 with losses included. Please note the LDC is responsible to make accrual and unbilled analysis to bring the total monthly kWh billing information consistent with wholesale purchases for these customers for the calendar month.
- 7(b) For general service <50 kW customers without interval meter, LDC may wish to provide industry classification information. This is optional as it is used for checking purposes only [OEB has approved LDC to use this classification as residual].

Proposed Information Requirements

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 load and generation hourly data.

Proposed Information Requirements

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.

Important Note:

- Please provide information as specified, incomplete information will delay your filing schedule
- Any questions, please contact LoadResearch@HydroOne.com