



Update from Load Data Team

April 25th & 27th, 2006

General Update



- Load data requirements updated reflecting comments received to date from conference calls and working group
- Generic load shape analysis is underway; current plan is to complete the analysis by end of May 2006
- End product will be good quality generic load shapes that meet OEB requirements for rate submission
- In addition to original members, recently have 29 LDCs joining the group to share the generic load profiles
- If you have not heard about this arrangement and would like to use the generic load profiles, please send contact information to LoadResearch@HydroOne.com



What is Next

- Generic load profiles cover residential and general service customers
- Unmetered scattered loads (USL) will be analysed; if you are contributing monitored data and have not sent them to me yet, please do so ASAP
- Load shape work for 3 test LDCs is underway
- Will initiate testing for weather normalization soon
- Industry groupings will be defined end of April
- Data format template will be drafted end of April

Load Data Request



- Very minor changes made to date
 - Sum of all rate classes by calendar month must equal to wholesale purchases with losses included; please note LDC is responsible for this; if they don't add up, we are not responsible for any delays
 - It is acceptable if you want to apply the above accrual analysis to all customers instead of just by rate class
 - Send data by CDs/DVD or through FTP site set up by LDC
 - Residential customers, need tabulation by number of customers by 6 pre-defined kWh groups. It is fine if they don't add up to the total because only customers with complete year of data are counted



Load Data Request

- Residential customers, LDC has to decide whether you are doing appliance survey
 - If you do, provide less information
 - If you don't, need to provide more detailed information
- General service customers, LDC needs to do industry classification for each customer (please start now)
 - We are using NAICS-2002
 - Must follow the short list of industry groupings specified by us

Proposed Industry Grouping



NAICS-2002	Industry Grouping Description
11	Agriculture & Forestry
21	Mining, Oil & Gas Exploration
2213	Water & Sewage & Other Systems
311 & 312	Food, Beverage & Tobacco
313 & 314	Textile
315	Clothing
316	Leather
321 & 327	Wood Product & Furniture
322	Paper
323	Printing
324	Petroleum
325	Chemical
326	Plastics & Rubber
327	Non-Metallic Mineral
331	Primary Metal
332	Fabricated Metal Product
333	Machinery
334	Computer and Electronic Products
335	Electrical Equipment
336	Transportation Equipment
339	Miscellaneous Manufacturing

Proposed Industry Grouping



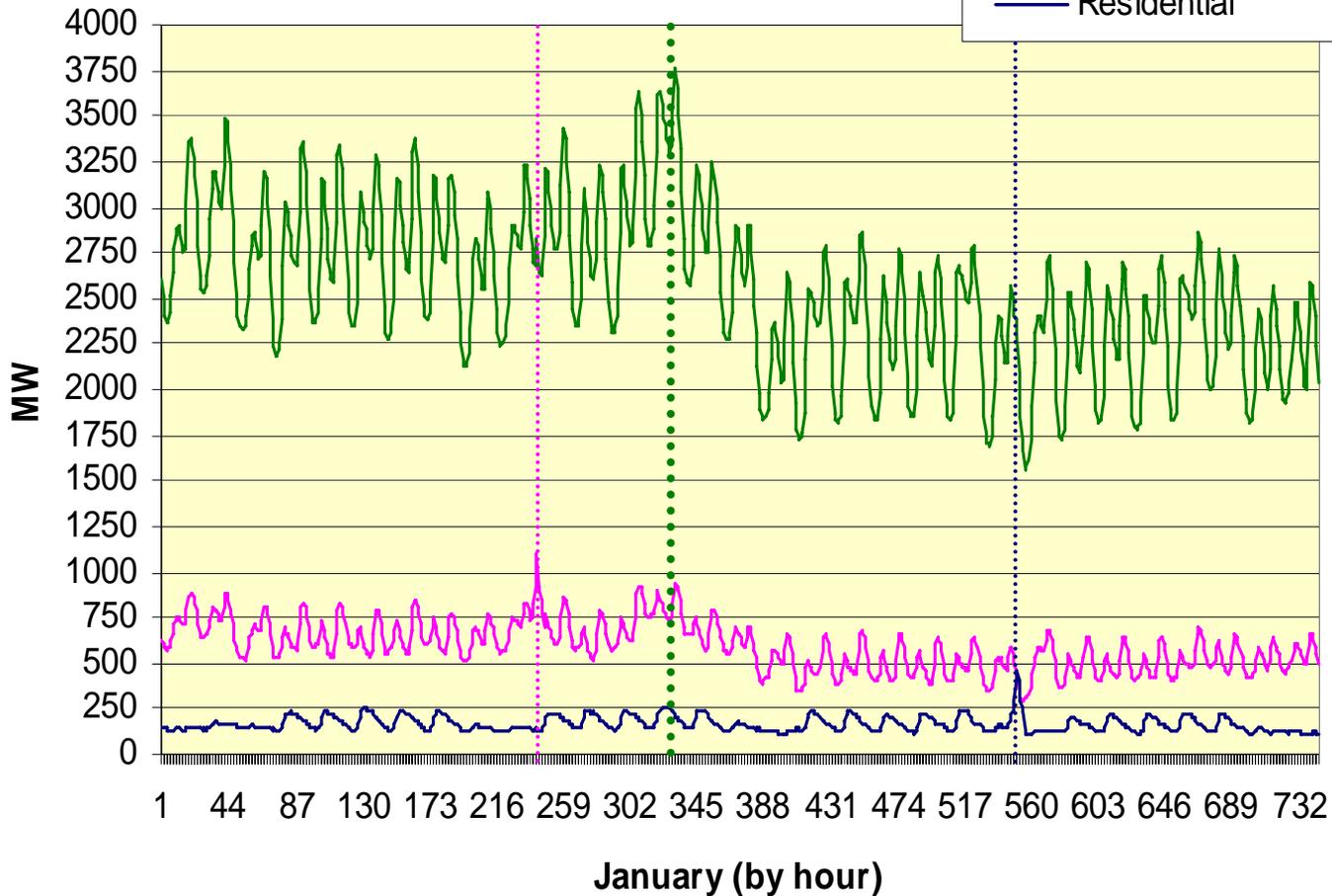
NAICS-2002	Industry Grouping Description
41&81	Wholesale Trade, & Other Services
44-45, 722, 8121	Retail Trade & Restaurant & Personal Care Services
445110	Grocery Stores
493	Warehouses
531111-531112	Multi-residential Buildings
531120	Office Buildings
611110	Education - Elementary
61	Education – all others
622	Hospitals
623	Nursing & Residential Care Facilities
71	Arts Entertainment & Recreation
721	Accommodation
91	Public Administration
	Other

Deliverables: Hourly Load Shapes



Monthly NCP vs CP

— Sub-Transmission
— Total LDC
— Residential



TOTAL LDC peak:
Jan 14, hour 18 3753 MW

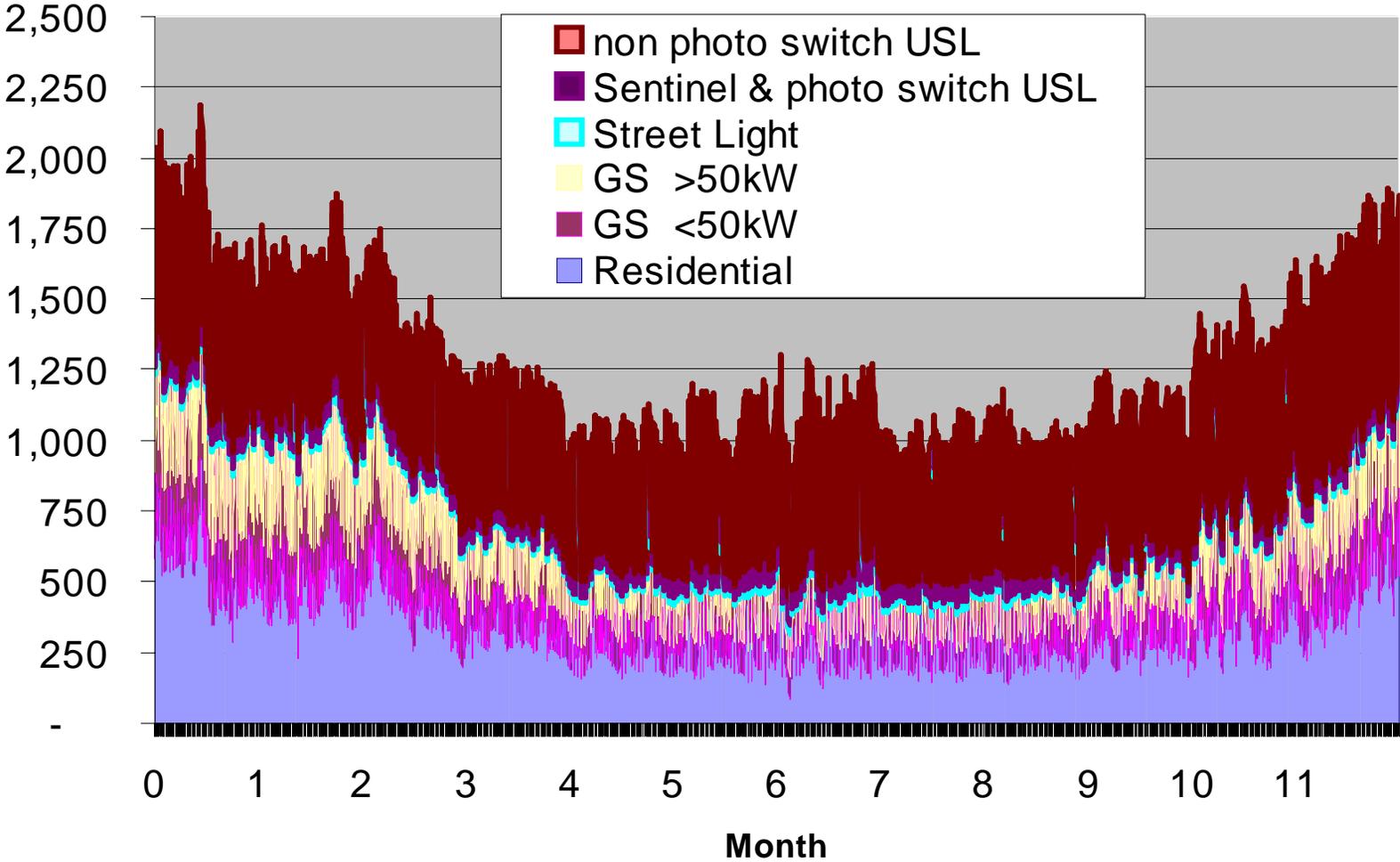
Residential CP:
Jan 14, hour 18 926 MW

Sub-Transmission CP:
Jan 14, hour 18 236 MW

Residential NCP:
Jan 11, hour 17 1100 MW

Sub-Transmission NCP:
Jan 24, hour 15 450 MW

Output from Load Shape Analysis



Output from Load Shape Analysis



- Macro to convert 8760 to CP's and NCP's by rate class

	1	2	3	4	5	6	7	8	9
	Residential	GS <50	GS>50- Regular	GS> 50- TOU	GS >50- Intermediate	GS >5 MW	Street Light	Sentinel and Photo Switch USL	Non Photo Switch USL
Co-incident Peak									
1 CP	X	X	X	O	X	X	X	X	X
4 CP	X	X	X	O	X	X	X	X	X
12 CP	X	X	X	O	X	X	X	X	X
Non Co-incident Peak									
1 NCP	X	X	X	O	X	X	X	X	X
4 NCP	X	X	X	O	X	X	X	X	X
12 NCP	X	X	X	O	X	X	X	X	X



Let's start the fun

- We expect to get data from LDCs starting in May 2006 (according to sequence suggested by OEB). LDCs should start getting their utility specific load shapes in June 2006
- Please review the data requirements with your staff and start the process for data retrieval ASAP
- Please make sure the data by rate class add up to wholesale purchases total with losses included
- Please provide the data according to the formats and template we requested
- Do not hesitate to ask questions. Please send all e-mails to LoadResearch@HydroOne.com