

Rajvinder Sabharwal

From: Rajvinder Sabharwal
Sent: January 4, 2017 1:10 PM
To: 'Jeannette Briggs'
Subject: RE: Here is the OEB reference document

Thanks, Jeannette.....you are fast!

Raj Sabharwal
 Project Advisor, CPA, CMA, CIA
 Incentive Rate-Setting & Accounting
 Ontario Energy Board
 Phone: (416) 440-7694
 Fax: (416) 440-8100
 Email: rajvinder.sabharwal@ontarioenergyboard.ca

-----Original Message-----

From: Jeannette Briggs [mailto:jeannette.briggs@ieso.ca]
 Sent: January-04-17 12:52 PM
 To: Rajvinder Sabharwal
 Subject: RE: Here is the OEB reference document

Yes but this usually happens between 7 am to 7 pm - this is the highest demand for energy.

Regards,

Jeannette Briggs Director, Settlements
 Independent Electricity System Operator (IESO) | T: 905-855-6364 | C: 416-997-6364 Station A, Box
 4474, Toronto, ON, M5W 4E5 Web: www.ieso.ca | Twitter: IESO_Tweets | LinkedIn: IESO
 Conservation: www.saveONenergy.ca | Twitter: saveONenergyOnt | LinkedIn: saveONenergy

-----Original Message-----

From: Rajvinder Sabharwal [mailto:Rajvinder.Sabharwal@ontarioenergyboard.ca]
 Sent: January 04, 2017 12:50 PM
 To: Jeannette Briggs
 Subject: RE: Here is the OEB reference document

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Thanks Jeannette, so for Transmission Network Demand our understanding is the following:

The greater of the following demand is billed:

a) Customer coincident peak demand (MW) in the hour of the month when the total hourly demand of all Provincial Transmission Services (PTS) customers is highest for the month, (I take it this is referring to coincident peak demand, so the 7am to 7pm time frame is not the determining factor, the determining factor would be specifically when the Provincial system dependency), and

b) 85 % of the customer peak demand in any hour during the peak period 7 AM to 7 PM (always local time, when the clocks change the peaks hours would still be based on Eastern Standard Time, not daylight savings time) on weekdays, excluding the holidays as defined by IESO.

Basically Wholesale Market Participant customers and distributors would typically be billed on part a), but could be billed based on part b) depending on the circumstances. So customers typically are not billed on 7 to 7 demand, more likely to be billed on demand at the time the provincial transmission system peaked.

Do you agree?

Raj Sabharwal
Project Advisor, CPA, CMA, CIA
Incentive Rate-Setting & Accounting
Ontario Energy Board
Phone: (416) 440-7694
Fax: (416) 440-8100
Email: rajvinder.sabharwal@ontarioenergyboard.ca

-----Original Message-----

From: Jeannette Briggs [mailto:jeannette.briggs@ieso.ca]
Sent: January-04-17 10:27 AM
To: Rajvinder Sabharwal
Subject: Here is the OEB reference document

http://www.rds.ontarioenergyboard.ca/webdrawer/webdrawer.dll/webdrawer/rec/512984/view/de_c_rate_order_2016%20UTR_20160114.PDF

Note that it is possible for the coincident peak to be outside of the peak hour (unlikely but possible).

Notes:

1 The demand (MW) for the purpose of this rate schedule is measured as the energy consumed during the clock hour, on a "Per Transmission Delivery Point" basis. The billing demand supplied from the transmission system shall be adjusted for losses, as appropriate, to the Transmission Point of Settlement, which shall be the high voltage side of the transformer that steps down the voltage from above 50 kV to below 50 kV at the Transmission Delivery Point.

2. The Network Service Billing Demand is defined as the higher of (a) customer coincident peak demand (MW) in the hour of the month when the total hourly demand of all PTS customers is highest for the month, and (b) 85 % of the customer peak demand in any hour during the peak period 7 AM to 7 PM (local time) on weekdays, excluding the holidays as defined by IESO. The peak period hours will be between 0700 hours to 1900 hours Eastern Standard Time during winter (i.e. during standard time) and

0600 hours to 1800 hours Eastern Standard Time during summer (i.e. during daylight savings time), in conformance with the meter time standard used by the IMO settlement systems.

3. The Billing Demand for Line and Transformation Connection Services is defined as the Non-Coincident Peak demand (MW) in any hour of the month. The customer demand in any hour is the sum of (a) the loss-adjusted demand supplied from the transmission system plus (b) the demand that is supplied by embedded generation for which the required government approvals are obtained after October 30, 1998 and which have installed capacity of 2MW or more for renewable generation and 1 MW or higher for non-renewable generation. The term renewable generation refers to a facility that generates electricity from the following sources: wind, solar, Biomass, Bio-oil, Bio-gas, landfill gas, or water. The demand supplied by embedded generation will not be adjusted for losses.

4. The Transformation Connection rate includes recovery for OEB approved Low Voltage Switchgear compensation for Toronto Hydro Electric System Limited and Hydro Ottawa Limited.

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