Public Service of New Hampshire d/b/a Eversource Energy
Docket No. DE 16-576

Date Request Received: 08/19/2016   Date of Response: 09/02/2016
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Request from: City of Lebanon

Witness:

Request:
For Eversource and UES, do you have a similar process as described by Liberty Utilities in their follow up to my technical session oral request to clarify their response to Lebanon 1-1.3, in which Attorney Michael Sheehan in an email on 8/12/16, 10:59 AM, explained an additional process for estimating and accounting for the difference between total retail load as adjusted by standard line loss factors and actual wholesale metered loads, creating a "load adjustment factor" that is applied across all loads? Please describe how your process for reconciling wholesale meter load with retail loads, daily and monthly, may be similar to or different than Liberty Utilities.

Response:
Eversource Energy reports Load to ISO New England Inc. (ISO) by Load Asset number. The sum of Load for each reported hour, including all Load Assets reported, must equal the sum of each hour of Generator Assets and Tie Line Assets for the PSNH Node 687 (Metering Domain).

Customer Load is calculated by either using actual hourly metered values, or an estimation method that uses a rate class average load profile, scaled by a Usage Factor which is the ratio of the customer's actual billed usage relative to the estimated average usage of a customer in the same rate class. All Loads, when reported, include losses to the PTF boundary.

The hourly interval (actual) load data and the hourly profiled (estimated) load data for all Load Assets are totaled and compared to the sum of the Generation and Tie Line total.

The difference, positive or negative, is applied proportionally to each asset that has a portion of estimated load. The resulting sum of the hourly values for all Load Assets will then equal the sum of the hourly values of the Generation and Ties.

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Witness:

Request:
For all 3 utilities, please provide daily "load adjustment factors" or equivalent, for the period from 4/1/14 to 3/31/16. If you consider these factors confidential, can you please provide an annual average (simple and load weighted), or at least indicate whether this factor is on average positive or negative, and give some indication of its order of magnitude, such as whether it is more or less than 1%, 5%, 10% or 20% of average line loss factors.

Response:
The Company does not have available the "load adjustment factors". These adjustments are done dynamically by the system and vary for each hour.