
PSPC Meeting Agenda Item 7.0

III.12.7 Resource Modeling Assumptions.

III.12.7.1 Proxy Units. When the available resources are insufficient for the unconstrained New England Control Area to meet the resource adequacy planning criterion specified in Section III.12.1, proxy units shall be used as additional capacity to determine the Installed Capacity Requirement and the Local Resource Adequacy Requirements. The proxy units shall reflect resource capacity and outage characteristics such that when the proxy units are used in place of all other resources in the New England Control Area, the reliability, or LOLE, of the New England Control Area does not change. The outage characteristics are the summer capacity weighted average availability of the resources in the New England Control Area as determined in accordance with Section III.12.7.3. The capacity of the proxy unit is determined by adjusting the capacity of the proxy unit until the LOLE of the New England Control Area is equal to the LOLE calculated while using the capacity assumptions described in Section III.12.7.2.

When modeling transmission constraints for the determination of Local Resource Adequacy Requirements, the same proxy units may be added to the import-constrained Load Zone or elsewhere in the rest of the New England Control Area depending on where system constraints exist.

III.12.7.2 Capacity. The resources included in the calculation of the Installed Capacity Requirement and the Local Sourcing Requirements shall include:

- (a) all Existing Generating Capacity Resources,

- (b) resources cleared in previous Forward Capacity Auctions or obligated for the relevant Capacity Commitment Period,
- (c) all Existing Import Capacity Resources backed by a multi-year contract to provide capacity in the New England Control Area~~Import Capacity Resources cleared in previous Forward Capacity Auctions and obligated for the relevant Capacity Commitment Period,~~ and
- (d) Existing Demand Resources that are qualified to participate in the Forward Capacity Market and New Demand Resources that have cleared in previous Forward Capacity Auctions and obligated for the relevant Capacity Commitment Period and Other Demand Resources in existence during the ICAP Transition Period,

but shall exclude:

- (a) capacity associated with Export Bids cleared in previous Forward Capacity Auctions and obligated for the relevant Capacity Commitment Period, and
- (b) resources for which Permanent De-list Bids cleared in previous Forward Capacity Auctions.

The rating of Existing Generating Capacity Resources and Existing Import Capacity Resources used in the calculation of the Installed Capacity Requirement, Local Sourcing Requirements and Maximum Capacity Limits shall be the summer Qualified Capacity value of such resources for the relevant Load Zone. The rating of Demand Resources and Other Demand Resources shall be the summer Qualified Capacity value reduced by any reserve margin adjustment factor that is otherwise included in the summer Qualified Capacity value. The rating of resources, except for Demand Resources, cleared in previous Forward Capacity Auctions and obligated for the relevant Capacity Commitment Period shall be based on the amount of Qualified Capacity that cleared in previous Forward Capacity Auctions or obligated for the relevant Capacity Commitment Period. Resources are located within the Load Zones in which they are electrically located as determined during the qualification process.

Issued by: Raymond W. Hepper,
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Issued on: July 30, 2008

Effective: September 29, 2008
Filed to comply with order of the Federal Energy
Regulatory Commission, Docket No. ER08-41-000,
issued December 10, 2007, 121 FERC ¶ 61,250 (2007)