1.148a Discharge: The injection of stored energy back into the Transmission System by a Stored Energy Resource.


1.149 Dispatch Band: A specific set of Generation Resource or Demand Response Resource—Type II operating limits and ramp rates that represent the physical operating characteristics of the Resource within that operating band.

1.150 Dispatch Band Bi-Directional Ramp Rate: The MW/minute rate at which a Generation Resource or Demand Response Resource-Type II can respond to either increasing or decreasing Setpoint Instructions within a specific Dispatch Band.
**Forecast LSE Requirement:** The forecasted Demand including the effect of all losses for an LSE at a CPNode for a Month less the Full Responsibility Purchases plus the Full Responsibility Sales and minus the Demand Resources that were registered to net for a given Month all at the same CPNode.

**1.238a Forecast Maximum Limit:** The maximum MW level at which a Dispatchable Intermittent Resource may operate.

**1.239 Forecasted Peak Load:** The estimated Peak Load of an LSE based upon analysis of predicted incremental Load growth.

**1.240 FTR and ARR Transactions Cleared But Not Yet Settled:** This service category is a component of the Total Potential Exposure. The FTR and ARR Transactions Cleared But Not Yet Settled are calculated on a monthly basis. If the net monthly value is positive, it is included in the Total Potential Exposure calculation. If the net monthly value is negative, the value is not included in the Total Potential Exposure calculation.
Regulation Qualified Resources in the Day-Ahead Energy and Operating Reserve Market will be limited to (i) committed Generation Resources that are not Dispatchable Intermittent Generation Resources, (ii) available External Asynchronous Resources, (iii) committed Demand Response Resources - Type II, and (iv) available Stored Energy Resources. A Market Participant may disqualify a Regulation Qualified Resource from supplying Regulating Reserve on an Hourly basis if physical operating restrictions make the Resource unable to deploy Regulating Reserve in accordance with the product requirements for Regulating Reserve established in Section 39.2.1A.a and the Business Practices Manuals.
Spin Qualified Resources in the Day-Ahead Energy and Operating Reserve Market will be limited to: (i) committed Generation Resources that are not Dispatchable Intermittent Generation Resources; (ii) uncommitted Demand Response Resources - Type I; (iii) committed Demand Response Resources – Type II; and (iv) available External Asynchronous Resources. A Market Participant can disqualify a Spin Qualified Resource from supplying Spinning Reserve on an Hourly basis should physical operating restrictions make the Resource unable to deploy Spinning Reserve in accordance with the product requirements for Spinning Reserve established in Section 39.2.1A.b and the Business Practices Manuals. If a Resource is disqualified from providing Spinning Reserve, it is disqualified from providing Regulating Reserve by default.
Supplemental Qualified Resources in the Day-Ahead Energy and Operating Reserve Market will be limited to: (i) committed Generation Resources that are not Dispatchable Intermittent Generation Resources; (ii) uncommitted Quick-Start Resources; (iii) uncommitted Demand Response Resources - Type I; (iv) committed Demand Response Resources - Type II; and (v) available External Asynchronous Resources. Uncommitted Quick-Start Resources and uncommitted Demand Response Resources-Type I, must have a Minimum Run Time (or Minimum Interruption Duration, if a Demand Response Resource - Type I) of one-hundred-eighty (180) minutes or less in order to be classified as Supplemental Qualified Resources.
All Regulation Qualified Resources supplying Regulation in the Real-Time Energy and Operating Reserve Market must be capable of receiving and responding to automatic control signals and must provide telemetered output data in accordance with the Business Practices Manuals. Regulation Qualified Resources in the Real-Time Energy and Operating Reserve Market will be limited to (i) on-line and synchronized Generation Resources that are not Dispatchable Intermittent Generation Resources, (ii) External Asynchronous Resources, (iii) on-line and synchronized Demand Response Resources - Type II, and (iv) available Stored Energy Resources. A Market Participant can disqualify a Regulation Qualified Resource from supplying Regulating Reserve on an Hourly basis should physical operating restrictions make the Resource unable to deploy Regulating Reserve in accordance with the product requirements for Regulating Reserve established in Section 40.2.3 (a) and the Business Practices Manuals.
All Spin Qualified Resources supplying Spinning Reserve in the Real-Time Energy and Operating Reserve Market must provide telemetered output data or, in the case of a Demand Response Resource – Type I that is deployed for Contingency Reserve within the Hour, must provide a minimum of five-minute interval demand data within five (5) days for the Resource through the appropriate data communications equipment, as set forth in the Business Practices Manuals. Spin Qualified Resources in the Real-Time Energy and Operating Reserve Market will be limited to (i) on-line and synchronized Generation Resources that are not Dispatchable Intermittent Generation Resources, (ii) uncommitted Demand Response Resources - Type I, (iii) on-line and synchronized Demand Response Resources - Type II, and (iv) available External Asynchronous Resources.
Supplemental Qualified Resources in the Real-Time Energy and Operating Reserve Market will be limited to (i) on-line and synchronized Generation Resources that are **not Dispatchable Intermittent Generation Resources**, (ii) off-line and available Quick-Start Resources, (iii) uncommitted Demand Response Resources - Type I, (iv) on-line and synchronized Demand Response Resources - Type II, and (v) available External Asynchronous Resources.
Market Participants may submit a Generation Offer and/or Demand Response Resource-Type II Offer that contains zero dollar ($0) amounts for No-Load and Start-Up Offers, in which case only the Energy Offer curve, Regulating Reserve Offer (if applicable), Spinning Reserve Offer (if applicable), On-Line Supplemental Reserve Offer (if applicable) and/or Off-Line Supplemental Reserve Offer (if applicable) will be considered by the market clearing process pursuant to Section 40.2.8. Any limits on the Offer over the full quantity (MW) range of the Operable Capacity must be consistent with Module D. A single Generation Offer or Demand Response Resource - Type II Offer may be submitted in the Real-Time Energy and Operating Reserve Market for each Hour of the Operating Day for which the Market Participant is willing to sell Energy and Operating Reserve from a given Resource, except that the Forecast Maximum Limit submitted for a Dispatchable Intermittent Resource will be considered by the market clearing process pursuant to Section 40.2.5.b.xxxiii. The Transmission Provider shall maintain a Real-Time Energy and Operating Reserve Market Generation Offer and/or Demand Response Resource - Type II Offer for each Resource.
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Hourly Economic Maximum Limit. An Offer shall include an Hourly Economic Maximum Limit, expressed for each Hour in MW, which shall not be used to withhold a portion of the Capacity of a Resource from the Real-Time Energy and Operating Reserve Market if such Capacity is designated as a Capacity Resource pursuant to Section 69 and committed by the Transmission Provider prior to the Operating Day, unless such portion is unavailable due to a forced or planned outage or other physical operating restrictions; provided, however, that Offers from Dispatchable Intermittent Resources shall not include an Hourly Economic Maximum Limit. If no Hourly Economic Maximum Limit is submitted, the default limit specified during the asset registration process will be used.
xiii. **Hourly Emergency Maximum Limit.** An Offer shall include an Hourly Emergency Maximum Limit, expressed for each Hour in MW, which shall not be used to withhold a portion of the Capacity of a Resource from the Real-Time Energy and Operating Reserve Market if such Capacity is designated as a Capacity Resource pursuant to Section 69 and committed by the Transmission Provider prior to the Operating Day, unless such portion is unavailable due to a forced or planned outage or other physical operating restrictions; provided, however, that Offers from Dispatchable Intermittent Resources shall not include an Hourly Emergency Maximum Limit. If no Hourly Emergency Maximum Limit is submitted, the default limit specified during the asset registration process will be used.
default limit specified during the asset registration process will be used.
xxxii. **Host Load Zone.** A Host Load Zone must be associated with a Demand Response Resource - Type II and specified during the Transmission Provider’s asset registration process. The Host Load Zone is a separate Commercial Pricing Node that has the same definition (i.e., **Bus**) as the Demand Response Resource - Type II. Multiple Demand Response Resources - Type II can be associated with a single Host Load Zone if the Host Load Zone and all of the Demand Response Resources - Type II associated with the Host Load Zone are owned by the same Market Participant.

The Host Load Zone may be owned by a different entity than the Market Participant who owns the Demand Response Resource – Type II.

xxxiii. **Forecast Maximum Limit.** A Forecast Maximum Limit must be submitted for each Dispatchable Intermittent Resource and each Dispatch Interval, to be used in the RT-SCED algorithm to establish the Economic Maximum Dispatch of the Resource for each Dispatch Interval. The Forecast Maximum
Limit must be consistent with the periodicity and frequency set forth in the Business Practices Manuals. If a Dispatchable Intermittent Resource is unable to provide a Forecast Maximum Limit for a given Dispatch Interval, or if the Forecast Maximum Limit submitted for a given Dispatch Interval is submitted more than 30 minutes prior to the end of the Dispatch Interval, then the Transmission Provider shall calculate a Forecast Maximum Limit for the Resource and Dispatch Interval, consistent with the methodology set forth in the Business Practices Manuals.
f. Values in Offers

The values in Offers representing the non-price information in Section 40.2.5.b shall reflect the actual known physical capabilities and characteristics of the Generation Resources and/or Demand Response Resources - Type II on which the Offer is based except that the Emergency Maximum Limit and Economic Maximum Limit and Forecast Maximum Limit may, at the discretion of the Market Participant, be reduced by an amount equal to any Capacity associated with the Resource that is i) not designated as a Capacity Resource, ii) not being used to provide Energy and/or Operating Reserve to the Day-Ahead Energy and Operating Reserve Market, iii) not being used to provide Capacity in any RAC process, iv) not being used to provide Energy and/or Operating Reserve to the Real-Time Energy and Operating Reserve Market and iii) not being used to provide Energy and/or Operating Reserve to any other party or entity.
ii. Criteria for Intermittent Resources. Generation Resources can be considered Intermittent Resources if they are incapable of being dispatched or following Setpoint Instructions; provided however that on or after July 1st, 2012, a Resource whose entire Capacity:

i. is not Interconnected using Network Resource Interconnection Service, or

ii. has not been designated as a Network Resource under the terms in Module B of this Tariff, or that has not secured Firm Point-to-Point Transmission Service for the entire Commercial Model period, shall not be eligible to be considered a Intermittent Resource.

iii. Procedure for Designation of Intermittent Resources. Any Generation Resource seeking Intermittent Resource status shall submit to the Transmission Provider a written request to be
iv. **Requirement of Day-Ahead Forecast.** For reliability purposes, each Intermittent Resource and Dispatchable Intermittent Resource must submit to the Transmission Provider a Day-Ahead forecast of its intended output for the next day consistent with the procedures for such forecast set forth in the Business Practices Manuals. The Day-Ahead forecast shall not be financially binding on the Intermittent Resource.

v. **Other Grounds for Exemption:** Generation Resources, External Asynchronous Resources, Demand Response Resources – Type II, Demand Response Resources-Type II, and Stored Energy Resources shall not be subject to Excessive Energy Settlement or Excessive/Deficient Energy Deployment Charges during events or conditions beyond the control, and without the fault or negligence, of the Market Participant, including but not limited to:

1. Emergencies;
2. Test mode of the Resource.