

Review of Energy Market Must Offer Requirement for Limited Duration Resources

Andrew Levitt
Market Design and Economics
PJM CCSTF
September 22, 2021

“Market Sellers owning or controlling the output of a Generation Capacity Resource that was committed in an FRR Capacity Plan, self-supplied, offered and cleared in a Base Residual Auction or Incremental Auction, or designated as replacement capacity, as specified in Attachment DD of the PJM Tariff, and that has not been rendered unavailable by a Generator Planned Outage, a Generator Maintenance Outage, or a Generator Forced Outage shall submit offers for the available capacity of such Generation Capacity Resource, including any portion that is self-scheduled by the Generating Market Buyer. Such offers shall be based on the ICAP equivalent of the Market Seller’s cleared UCAP capacity commitment, provided, however, where the underlying resource is a Capacity Storage Resource or an Intermittent Resource, the Market Seller shall satisfy the must offer requirement by either self-scheduling or offering the unit as a dispatchable resource, in accordance with the PJM Manuals, where the hourly day-ahead self-scheduled values for such Capacity Storage Resources and Intermittent Resources may vary hour to hour from the capacity commitment. Any offer not designated as a Maximum Emergency offer shall be considered available for scheduling and dispatch under both Emergency and non-Emergency conditions. Offers may only be designated as Maximum Emergency offers to the extent that the Generation Capacity Resource falls into at least one of the following categories:” [environmental limits, fuel limits, temporary conditions].

- “Generators that are Capacity Resources and have an RPM or FRR commitment for the next Operating Day shall submit offers into the Day-ahead Market, even if they are unavailable due to forced, planned, or maintenance outages.”
- “Generators that are Capacity Resources and have an RPM or FRR commitment for the next Operating Day and are self-scheduling shall submit offer data in the event that they are called upon during emergency procedures. Such offers shall be based on the ICAP equivalent of the cleared UCAP capacity commitment.”
- “Intermittent Generation Resources, that are committed Capacity Resources, and Capacity Storage Resources shall meet the must offer requirement by either self scheduling (Availability = Must Run) or may allow the Day-ahead Market to schedule by offering the unit as a dispatchable resource (Availability = Economic). Resources enrolled in the ESR participation model shall meet the must offer requirement by self-scheduling only.
- “The hourly Day-ahead self-scheduled values for Intermittent Resources and Capacity Storage Resources may vary hour to hour from the capacity obligation value.”

Facilitator:
Melissa Pulong,
Melissa.Pulong@pjm.com

Secretary:
Jaclynn Lukach,
Jaclynn.Lukach@pjm.com

SME/Presenter:
Andrew Levitt,
Andrew.Levitt@pjm.com

Review of Energy Market Must Offer Requirement for Limited Duration Resources



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com