

PRR Comments

PRR Number	777	PRR Title	WGR QSE Metric Correction
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Market Segment	Not applicable.

Comments

Protocol Revision Request (PRR) 763, Use of WGRPP as Planned Operating Level in Day-Ahead Resource Plan for WGRs, requires all Wind-powered Generation Resources (WGRs) to use the ERCOT provided Wind-powered Generation Resource Production Potential (WGRPP) forecast as the planned operating level in the Resource Plan during Replacement Reserve Service (RPRS) procurements. This change enables ERCOT to procure capacity for the next Operating Day based upon a conservative wind forecast. The change has made the wind-only Qualified Scheduling Entity (QSE) schedules no longer meaningful in the Day Ahead process. However, the wind-only QSEs can update their High Sustainable Limits (HSLs) with a value that represents their forecast and aligns their Resource Plan HSLs with their energy schedules. Protocol Section 4.1.1, Day Ahead Scheduling Process, states that ERCOT will verify that Resource Plans are sufficient to meet QSEs energy schedules. ERCOT proposes a change that would verify that all QSEs have sufficient capacity in their Resource Plans to meet their energy schedules.

Overall Market Benefit	
Overall Market Impact	
Consumer Impact	

Revised Proposed Protocol Language

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4.10.5 Day Ahead Zonal Schedule Measure

The “Day Ahead Zonal Schedule Measure” compares each QSE’s ~~zonal~~ energy schedule to the QSE’s aggregated ~~HSLs-planned operating level for that Congestion Zone~~ at the time a Day Ahead Schedule validation, as described in Section 4.7, Validation and Correction of Schedule Data, is run and approved. The QSE’s ~~zonal~~ energy schedule and the aggregated ~~planned operating level for that Congestion Zone-HSLs~~ for all twenty-four (24) hours of the next day are recorded at the time of the Day Ahead Schedule validation. The ~~greatest of the four (4) QSE’s zonal energy schedules for each~~ 15-minute intervals in an hour ~~are selected-averaged over the entire hour to create the QSE’s average to represent the QSE’s -zonal~~ energy schedule. The ~~planned operating level HSLs~~ for all Resources ~~in a Congestion Zone~~ are aggregated by QSE for each hour to create the QSE’s aggregated ~~planned operating level HSLs~~. If multiple Day Ahead Schedule validations are run on a particular day, only the first approved Day Ahead Schedule validation is used. Only hours when the ~~zonal~~ energy schedule is greater than zero (0) MW are considered in this measure.

An Occurrence is recorded for a ~~Congestion Zone for a~~ given hour if the QSE’s ~~zonal~~ energy schedule ~~plus Ancillary Service Obligations are greater than and~~ the aggregated ~~planned operating level for that HSLs Congestion Zone~~ differ by the greater of two percent (2%) of the ~~zonal energy schedule or one (1) MW~~. Only one (1) Occurrence can be recorded per ~~Congestion Zone per~~ hour per QSE. To determine the QSE Measure Score for the Day Ahead Zonal Schedule Measure, Occurrences are summed for ~~all Congestion Zones for~~ every hour in a given month, and ~~divided by the number of Congestion Zones multiplied~~ divided by the total number of hours in that month where the QSE’s ~~zonal~~ energy schedule ~~in a Congestion Zone~~ for a particular hour is greater than zero (0) MW.

~~This metric does not apply to Wind-powered Generation Resource (WGR) QSEs who submit ERCOT-provided Resource Plans in compliance with Section 4.4.15 QSE Resource Plans.~~

4.10.6 Adjustment Period Zonal Schedule Measure

The “Adjustment Period Zonal Schedule Measure” compares each QSE’s zonal energy schedule to the aggregated planned operating level for that Congestion Zone before the start of the Operating Hour. Each QSE’s zonal energy schedule used to calculate this measure is taken at the end of the Adjustment Period. The last Resource Plan submitted before the start of the Operating Hour but after the end of the Adjustment Period is used. The QSE’s zonal energy schedules for each fifteen (15) minute interval in an hour are averaged over the entire hour to create the QSE’s average zonal energy schedule. The planned operating level for all Resources in a Congestion Zone are aggregated by QSE for each hour to create the QSE’s aggregated planned operating

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level. Only hours when the zonal energy schedule is greater than zero (0) MW are considered in this measure.

An Occurrence is recorded for a Congestion Zone for a given hour if the QSE's zonal energy schedule and the aggregated planned operating level for that Congestion Zone differ by the greater of two percent (2%) of the zonal energy schedule or one (1) MW. Only one (1) Occurrence can be recorded per Congestion Zone per hour per QSE. To determine the QSE Measure Score for the Adjustment Period Zonal Schedule Measure, Occurrences are summed for all Congestion Zones for every hour in a given month, and divided by the number of Congestion Zones multiplied by the total number of hours in that month when the QSE's zonal energy schedule in a Congestion Zone for a particular hour is greater than zero (0) MW.

Any hour where a QSE updated its Resource Plan before the start of or during the Operating Hour but after the end of the Adjustment Period and failed to pass this measure for that interval will be excluded in the calculation of this measure.

~~This metric does not apply to Wind-powered Generation Resource (WGR) QSEs who submit ERCOT provided Resource Plans in compliance with Section 4.4.15 QSE Resource Plans.~~