



OPERATING INSTRUCTIONS AND OUT OF MERIT ENERGY REFERENCE GUIDE

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Version 4

PURPOSE

The purpose of this document is to provide supplemental information to process for Out Of Merit Energy (OOME) in the SPP WEIS Market. This document is not a substitute for the WEIS Market Protocols and where any discrepancy exists, the reader should defer to the active version of the protocols.

BACKGROUND

The SPP WEIS Real-Time Balancing Market (WRTBM) solves within the bounds derived based on a combination of the submitted offer parameters, real-time system conditions and activated constraints. If a situation arises that cannot be modeled via a constraint, the resources may be instructed to limit their operation outside of normal market optimization. To account for these instructions appropriately, SPP utilizes the Out Of Merit Energy (OOME) process. Issuing an OOME will reflect the out of market action in the WEIS dispatch and set or limit a Resource to specific MW values, ensuring that subsequent WRTBM solutions properly account for the out-of-market action(s).

PROCESS

The process below only attempts to supplement the Operating Instruction / OOME interactions outlined in governing documents and reliability procedures. Additionally, this document is not intended to change the steps in WEIS Congestion Management Methodology.

EVENTS INITIATED BY THE SPP WEST RC

The SPP RC will issue OIs to move specific generators to a BA.

For situations where the BA is the Generator Operator, the BA is expected to call the WEIS Operator to request an OOME so that the Market dispatch can reflect the OI.

For situations where the BA is not the Generator Operator, the BA will contact the applicable GOP to instruct necessary movement or limits. The GOP will contact the Market Participant (MP) responsible for generator so the MP is aware of the OI. The MP is expected to contact the WEIS

Operator to request the OOME so the OI can be reflected in the Market dispatch. SPP will also accept a request for the OOME from the GOP on behalf of the MP.

For situations such as Jointly Owned Units (JOU), the SPP RC may issue the OI directly to the GOP in coordination with the associated BA.

In the case of a JOU registered as separate Resources in the WEIS Market, the GOP should contact the primary MP for the JOU so they are aware of the OI. The primary MP is expected to contact the WEIS Operator to request the OOME for each share so the OI can be reflected the Market dispatch. SPP will also accept a request for the OOME from the GOP on behalf of the MP.

Once an OOME is entered into the SPP WEIS Market, notification to Market Participants will be communicated via ICCP and XML.

EVENTS INITIATED BY A BA OR TOP

For situations where the BA or TOP need to take manual control or adjust resources, they will contact the GOP and issue necessary Operating Instructions. The GOP will contact the MP responsible for generator so MP is aware of the OI. The MP is expected to contact the WEIS Operator to request the OOME so the OI can be reflected in the Market dispatch. SPP will also accept a request for the OOME from the GOP on behalf of the MP.

In the case of a Jointly Owned Units (JOU) registered as separate Resources in the WEIS Market, the GOP should contact the primary MP for the JOU so they are aware of the OI. The primary MP is expected to contact the WEIS Operator to request the OOME for each shares so the OI can be reflected the Market dispatch. SPP will also accept a request for the OOME from the GOP on behalf of the MP.

Once an OOME is entered into the SPP WEIS Market, notification to Market Participants will be communicated via ICCP and XML.

REQUIRED INFORMATION FOR OOME REQUEST

1. Start time
2. End time if known , otherwise until further notice
3. Type: Cap, Floor, or Fixed (Refer to Protocols)
4. OOME MW value(s)
 - a. The WRTBM dispatch will account for regulation and contingency reserves carried on Resources, as communicated to SPP in the Resource Offer, that have an active OOME according to (b) below, however, MPs should be aware of any time regulation and contingency reserves cannot be account for due to OOME and

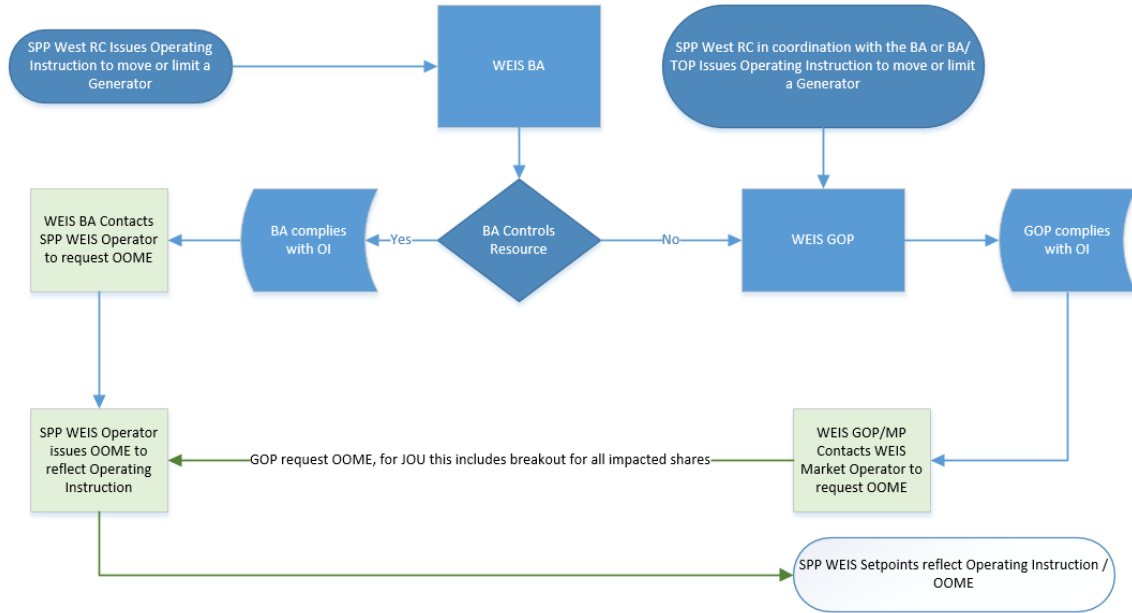
offer conflicts. For instance a Resource with a Fixed OOME will not an adjustment for regulation and contingency reserves. GOPs and MPs should take this into account during their communications and adjust how reserves are carried accordingly.

- b. For Resources with OOMEs the Dispatch Instruction will include an adjustment for the amount of regulation and contingency reserve being carried by the Resource
A Resource with an OOME cap will be dispatched at or below the OOME Cap minus carried regulation-up and contingency reserve (Effective Max = Max[Offered Economic Minimum, OOME Cap MW – Fixed Regulation Up – Fixed Contingency Reserves]). A Resource with an OOME floor will be dispatched at or above the OOME floor plus carried regulation-down (Effective Min = Max[Offered Economic Minimum, OOME Floor MW + Fixed Regulation Down]). The adjustment to the Dispatch Instruction due to carried reserves will only be applied when the OOME is within the offer economic minimum and maximum. The Dispatch Instruction for a Resource with a Fixed OOME will not include an adjustment for the amount of regulation and contingency reserves being carried (Effective Min and Effective Max = Fixed OOME MW).

5. What entity issued the Operating Instruction triggering the OOME request

*For JOUs, this information is needed for all impacted shares

**OOME request do not need to be in the form of an Operating Instruction to the WEIS Operator, however OOME request will still follow proper three part communication.



***Items with blue shading are considered Reliability Task. Items in green are considered Market Activities.