



SIR38 RTBM SUBMIT TIMING SPP

MARKET DESIGN

MARCH 18, 2020

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the lights on... today and in the future.*



SouthwestPowerPool



SPPorg



southwest-power-pool

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- **Purpose:**

- Current SPP Marketplace design does not allow for systematic changes to resource offer parameters inside of 30 minutes prior to each operating hour. The operations of generating resource(s) hold a real-time operational reality in which operating conditions on a more real-time basis than 30 minutes prior to the hour.
- In the current design, Market participants are left to utilize verbal communication with SPP Operations to update resource status or offer parameter changes for those more near term parameter changes.
- This revision request will implement changes to the current systematic tools (Market User Interface, MUI) to allow Market Participants to submit via the Market User Interface changes to certain offer parameters on a continual bases.

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- **Potential Benefit:**

- A drastic reduction in compliance risk as the intra-hour offer parameter change will now hold an electronic record of the event notification. Utilization of the MUI will provide a submittal receipt record thus satisfying three-part electronic communication.
- Reduction in both Market Participant and SPP staff member time outlay that is currently required to manually manage the intra-hour changes. The SPP Marketplace has over 220 Market Participants representing over 730 power plants with multiple generators at each plant. The current environment has a potential for multiple changes per hour in our current marketplace and this change will allow all parties to be better focused on ensuring system reliability.
- Parameter change error potential(s) that exists with the current verbal transfer of information will be removed as the MUI changes will be directly populated by the Market Participant and the electronic transfer/receipt will ensure that the Market Participant has confirmation that the change was made and implemented.

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- **Known Risks:**

- The added flexibility to change non-dollar parameters in near real-time could also add to the potential of resources to exercise market power. Potential for lower visibility to parameter changes in real-time (depending upon implementation path).

- **Known Impacts:**

- This process would alleviate the need for participants to call SPP for parameter changes inside of 30 min prior to the next hour. Requires slight changes to the Markets UI/API.

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- **Potential System / Process Impacts**
 - API/MUI, MDB
- **Potential MCE Performance Impact**
 - None
- **Potential Complexity**
 - Design: Low
 - Implementation: Low
- **Market Philosophy Impacts:**
 - Market Efficiency, Market Reliability

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- **SPP MMU Comments**

- The MMU supports addressing the timing of when offer parameters can be submitted in conjunction with a broader effort related to offer parameters. Included with the timing of offer parameter submission, non-dollar parameters should be required to represent demonstrable physical or environmental limits. The MMU's recommendation is that this effort should be combined with SIR 22 Limit Market Power Through Physical Parameters.