



SIR195 ESR E8-RECONCILE ESR DURATION WITH RESERVE DURATION REQUIREMENT

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



SouthwestPowerPool



SPPorg



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- **Purpose:**

- The SPP market co-optimizes resources between energy and operating reserves. Currently, an operating reserve must be able to provide energy for at least an hour. If an ESR has been providing energy and is then identified to provide contingency reserves, it could have insufficient charge to meet the reserve duration obligation.
- Recommendation: SPP staff is to recommend necessary system changes to prevent an inappropriate market co-optimization.

- **Potential Benefit:**

- This initiative will increase the efficiency and reliability of the market co-optimization by improving the State of Charge awareness of the market engine.

- **Known Risks**

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- **Potential System / Process Impacts**

- Protocols, Tariff, MDB, MCE, RTGEN

- **Potential MCE Performance Impact**

- Low

- **Potential Complexity**

- Design: Medium
- Implementation: Medium

- **Market Philosophy Impacts:**

- Market Efficiency, Market Reliability, Price Formation, Price Convergence, Market Transparency