

ORDC Simulations

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August 22, 2018

- The simulations will look at the effect the consolidation of the Synchronized Reserve Market and the proposed ORDCs will have on real-time prices
 - No distinction between Tier 1 and Tier 2 MWs will be made
 - Tier 2 reserve offers will be used for all units to determine the SR market clearing
 - No Tier 1 biasing is included
- The Real-Time Market for June 1, 2017 thru May 31, 2018 will be simulated using the PROBE Perfect Dispatch tool currently used by Operations for benchmarking real-time system operations
 - Two simulation cases will be simulated:
 - Current ORDCs
 - PJM Proposed ORDCs
- The simulations will allow additional CT & Diesel units to be committed in the optimization

- As discussed in the PJM proposal, the ORDCs:
 - Are based on a 30 min. uncertainty
 - Vary seasonally
 - Shape of the curves vary in four hour time blocks
- Curves are included for both PJM RTO and MAD reserve zones

- Daily Average:
 - Spinning and Primary Reserve Clearing Prices
 - Generation weighted zonal LMPs
- Daily Total:
 - Spinning and Primary Reserve MWs Dispatched
 - Spinning and Primary Reserve Revenue
 - Generator Revenue
 - Uplift % Reduction (uplift calculations in PROBE PD are a simplification of actual PJM settlement calculations)