



# Energy Reserve Simulations Update

EPFSTF

November 1, 2018

- Hourly Eligible NSR MW for top ten days of highest revenue\*
- Hourly offered and eligible SR Tier 2 MW for top ten days of highest revenue\*
- Daily zonal revenue for new ORDC of PJM Proposal
- Daily zonal spinning and non-spinning reserve revenues

\*From PJM production systems not simulation results

- Added additional results to the simulation results spreadsheet:
  - Tier 1/Tier 2 Consolidation Simulation Spinning Reserve Average Daily Market Clearing Prices
- In the Tier 1/Tier 2 consolidation simulation, the unit commitment of all units was held fixed with that of production, and was only allowed to redispatch all units since the results were being compared to production.
- In the ORDC simulations, the unit commitment of almost all units was held fixed, except for the CT and diesel units, which were allowed to be committed and decommitted throughout the operating day. This was done to simulate the impact that IT SCED would have on the real-time market outcomes by committing additional units throughout the operating day as a result of the changes in the ORDC.

- None of the simulation results are intended to mimic actual market results as the processes used to clear the actual market differ from those of the simulation tool.
- The intent of all the simulations is to provide an estimate of the impact of the different market design changes, holding all other variables (i.e. such as participant behavior) constant.

- [Simulation Results with Hourly Data](#) – Latest file
- [Simulation Data with SRMCPs](#) – 10/12/18 EPFSTF meeting
- [Simulation Results Presentation](#) – 9/26/18 EPFSTF meeting
- [Original Simulation Data](#) – 9/26/18 EPFSTF meeting