

# Adjustments to ORDC for Operator Actions Data Analysis

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EPFSTF August 22, 2018

- Data set from January 01, 2016 through July 17, 2018
  - Units logged for out of market commitment reasons
    - Non-Market Facility
    - Voltage
  - Calculated total number of discrete hours a unit ran for the log reason
  - Calculated the percentage of total hours
  - Calculated the average eco min for all resources logged for the specific reason

<b>Out of Market Commitment Summary January 01, 2016 - July 17, 2018 (22296 Hours)</b>				
<b>Reason</b>	<b># Log Instances</b>	<b>Total Duration (Hours)</b>	<b>Percentage Of Discrete Hours</b>	<b>Average Eco Min (MW)</b>
Unit Committed for Non Market Facility	535	2734	12.3	79
Voltage	281	722	3.2	35

- Several complexities exist when adjusting the MRR for out of market commitments
  - How many MWs should be added to the MRR?
    - 1MW of energy  $\leftrightarrow$  1 MW of reserves
  - What time period should the MRR be adjusted?
    - If the uneconomic resource becomes economic do you remove the MRR adjustment?
- These out of market commitments distort the market outcome
- However, adjusting the MRR by an imprecise amount introduces further distortion which PJM does not recommend at this time