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Transmission Outage Report Issue

Prepared for the ERCOT Operations Working Group

October 2016

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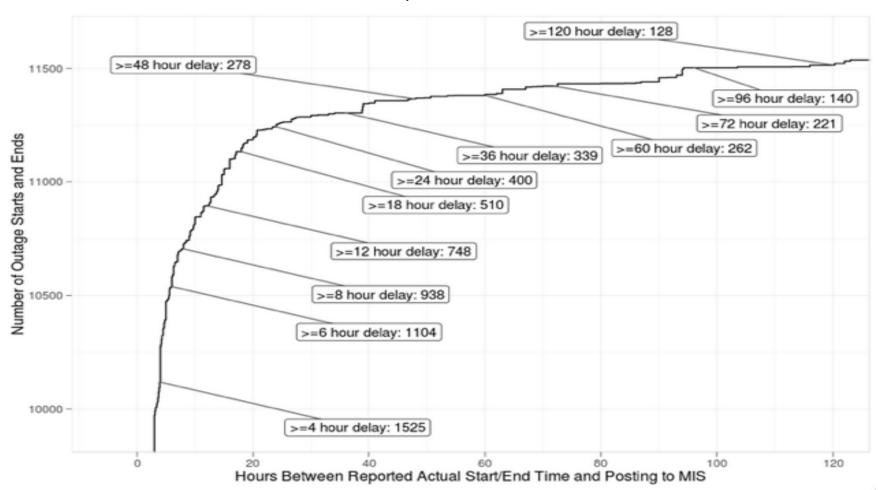
NPRR 799 helps ensure accurate Outage Scheduler reporting and improves market efficiency

- **Accurate Outage Scheduler reporting is imperative for a well functioning nodal market**
  - Symmetry between actual and reported outage conditions helps conform the price of ISO and bilateral products to the actual risk present in the market
  - Improves the ability for market participants to forecast prices and converge prices in the ISO sequential markets, which helps to rationalize unit commitment
  - Enhances resource owner's ability to manage locational risk and assess the deliverability of energy and ancillary services

- **NPRR799 requires Transmission Service Providers and Resource Entities to maintain accurate outage information in the ERCOT Outage Scheduler**
  - Requirement to update the ERCOT Outage Scheduler within one hour of the actual start or end of an outage
  - The proposal's benefits are especially compelling when compared to the administrative effort of ensuring symmetry between actual and reported conditions
  - The proposal should improve ERCOT's situational awareness for forward looking studies (i.e. RUC studies)
  - A similar requirement exist today for ERCOT (ERCOT Protocol section 3.1.5.13)

Room for improvement: 400 submissions for actual start/end times were not posted for at least 24 hrs after the reported time

Reporting lag for 11,643 actual start/end outage submissions
– September 2016–

Chart axes: Y-axis "Number of Outage Starts and Ends" (10000 to 11500), X-axis "Hours Between Reported Actual Start/End Time and Posting to MIS" (0 to 120).

Data labels:
- >=120 hour delay: 128
- >=96 hour delay: 140
- >=72 hour delay: 221
- >=60 hour delay: 262
- >=48 hour delay: 278
- >=36 hour delay: 339
- >=24 hour delay: 400
- >=18 hour delay: 510
- >=12 hour delay: 748
- >=8 hour delay: 938
- >=6 hour delay: 1104
- >=4 hour delay: 1525