PUCT Work Session Meeting

Woody Rickerson
Vice President ERCOT Grid Planning and Operations

8/26/2021
Market Concepts

- Evaluate market design changes that would result in an appropriate planning reserve margin.
- Improve incentives for attraction and retention of flexible, dispatchable resources.
- Develop financial incentives for resource owners that maintain existing or acquire new dual fuel capability, on-site fuel storage, and/or energy storage.
- Establish a minimum generation deliverability requirement for dispatchable generation in transmission planning studies.
- Establish operational requirements for private-use networks during emergency energy scarcity conditions.
Wire Company Concepts

- Improve the ability of Transmission and Distribution Providers to rotate higher levels of load shed
- Evaluate increasing Transmission Service Provider (TSP) demand response programs
- Establish clear requirements communication of the availability of distributed generation (DG) installations
- Implement winterization requirements
- Require meter read data to be sent to ERCOT for industrial (IDR) meters within same timeframe as smart meter data
Dispatchable Generation Concepts

• Improve the accuracy of Current Operating Plan (COP) data from thermal generation.

• Evaluate removing the Reliability Unit Commitment (RUC) opt out provision.

• Improve Resource Outage reporting in the ERCOT Outage Scheduler.
  – Improve the accuracy of end times for outages
  – Require the reporting of all Forced Outages
  – Modification of the 60-day rule for outage disclosures.

• Timely updates to the High Sustainable Limits to improve Physical Responsive Capability (PRC) measurements.

• Implement winterization requirements based on specific weather metrics (temperature, wind speed/chill, precipitation, and duration of conditions).

• Establish a process whereby ERCOT can obtain proprietary and confidential natural gas delivery limitation information
Inverter-Based Resource Concepts

• Require inverter-based resources to have additional reliability attributes such as grid-forming capability

• Improve Resource Outage reporting in the ERCOT Outage Scheduler.
  – Improve the accuracy of end times for outages
  – Require the reporting of all Forced Outages
  – Modification of the 60-day rule for outage disclosures.

• Implement winterization requirements based on specific weather metrics (temperature, wind speed/chill, precipitation, and duration of conditions).

✓ (Not in the Memorandum) Implement requirements to provide and maintain accurate dynamic models from generating units.