



Winter Weatherization Workshop

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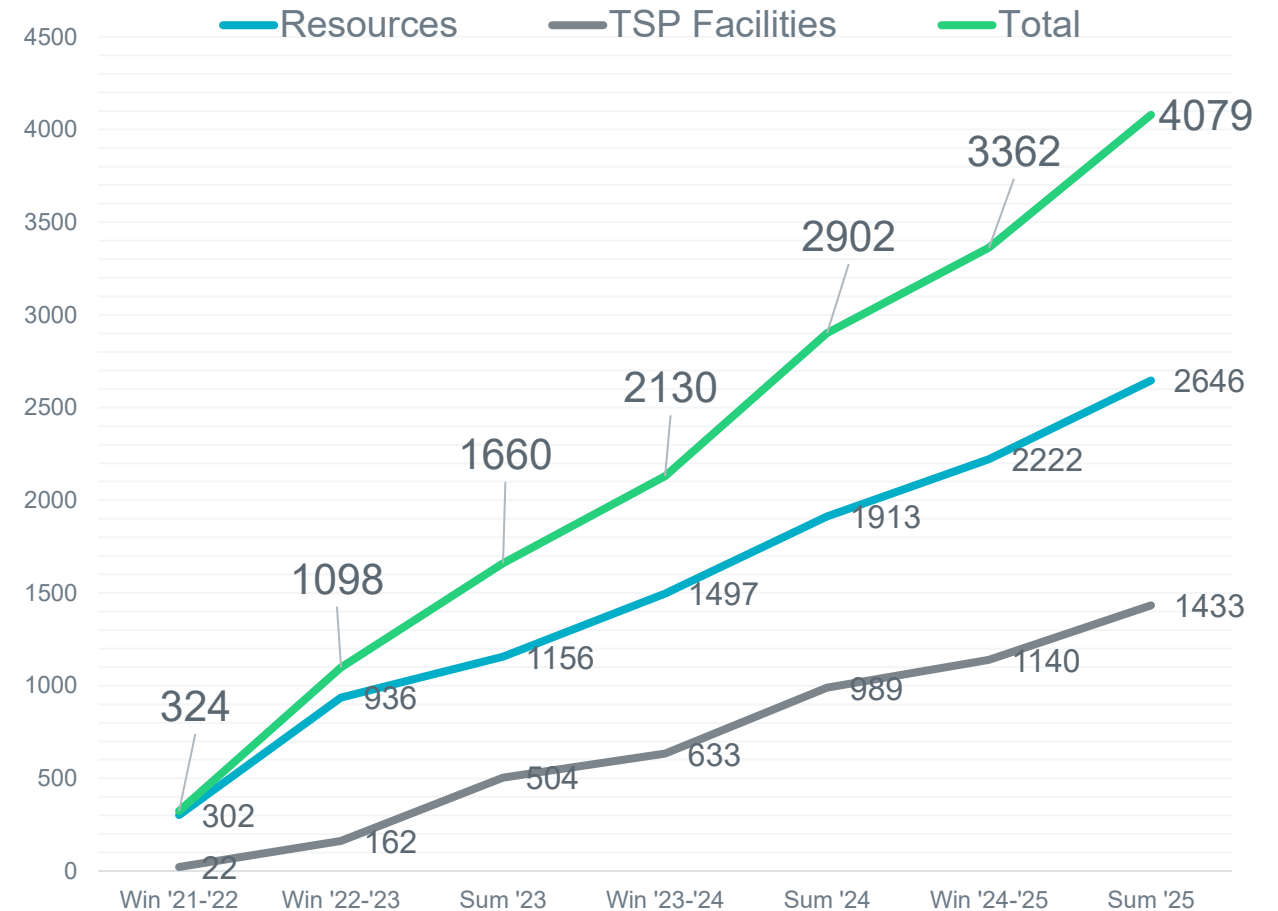
High Points

- Market Participants in ERCOT have now been through four winters and three summers with the Weather Emergency Preparedness rule in place.
- Weatherization efforts are having a beneficial impact on system reliability, particularly during times of extreme weather.
- We evaluate individual facility outages during peak demand periods and will follow-up to assure that facilities have implemented weather emergency preparation measures that can reasonably be expected to ensure sustained operation at the required hot and cold conditions.

Weatherization Inspections to Date

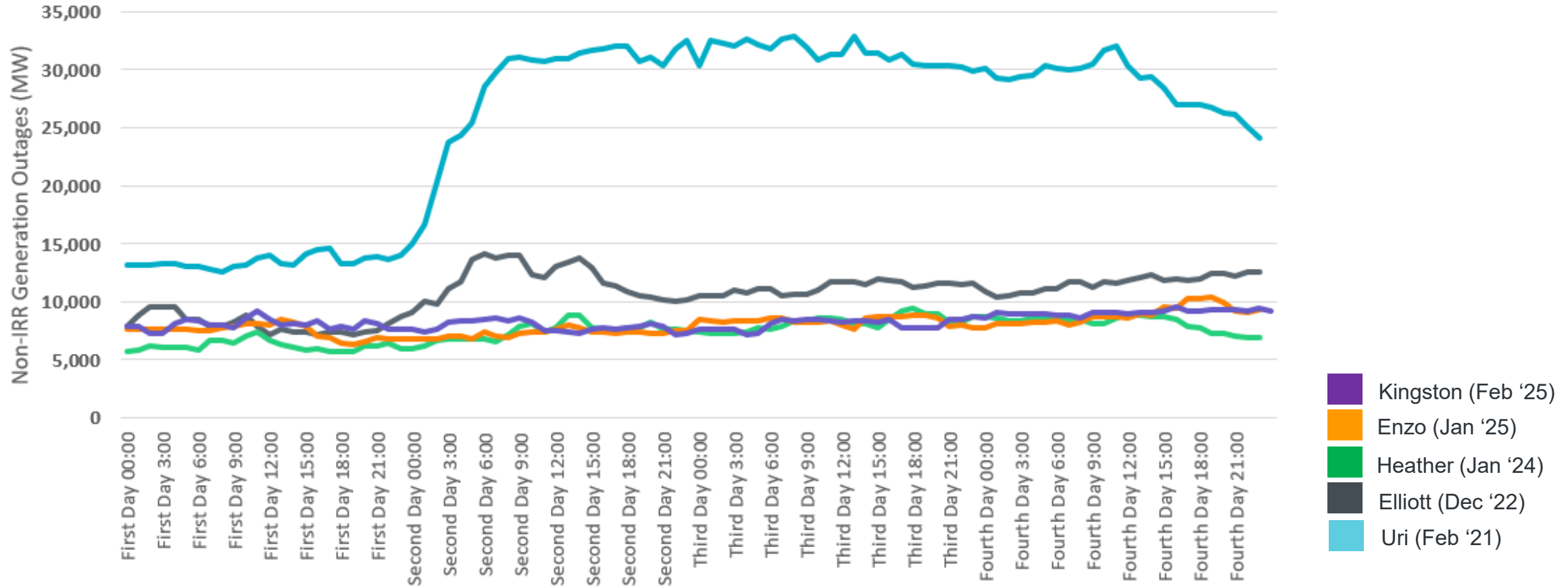
- Over the course of four winter seasons and three summer seasons, ERCOT has completed 4,079 weatherization inspections.
- The weatherization program has had a significant positive impact on the reliability of the bulk electric system during winter and summer.

Cumulative Inspection Totals by Season



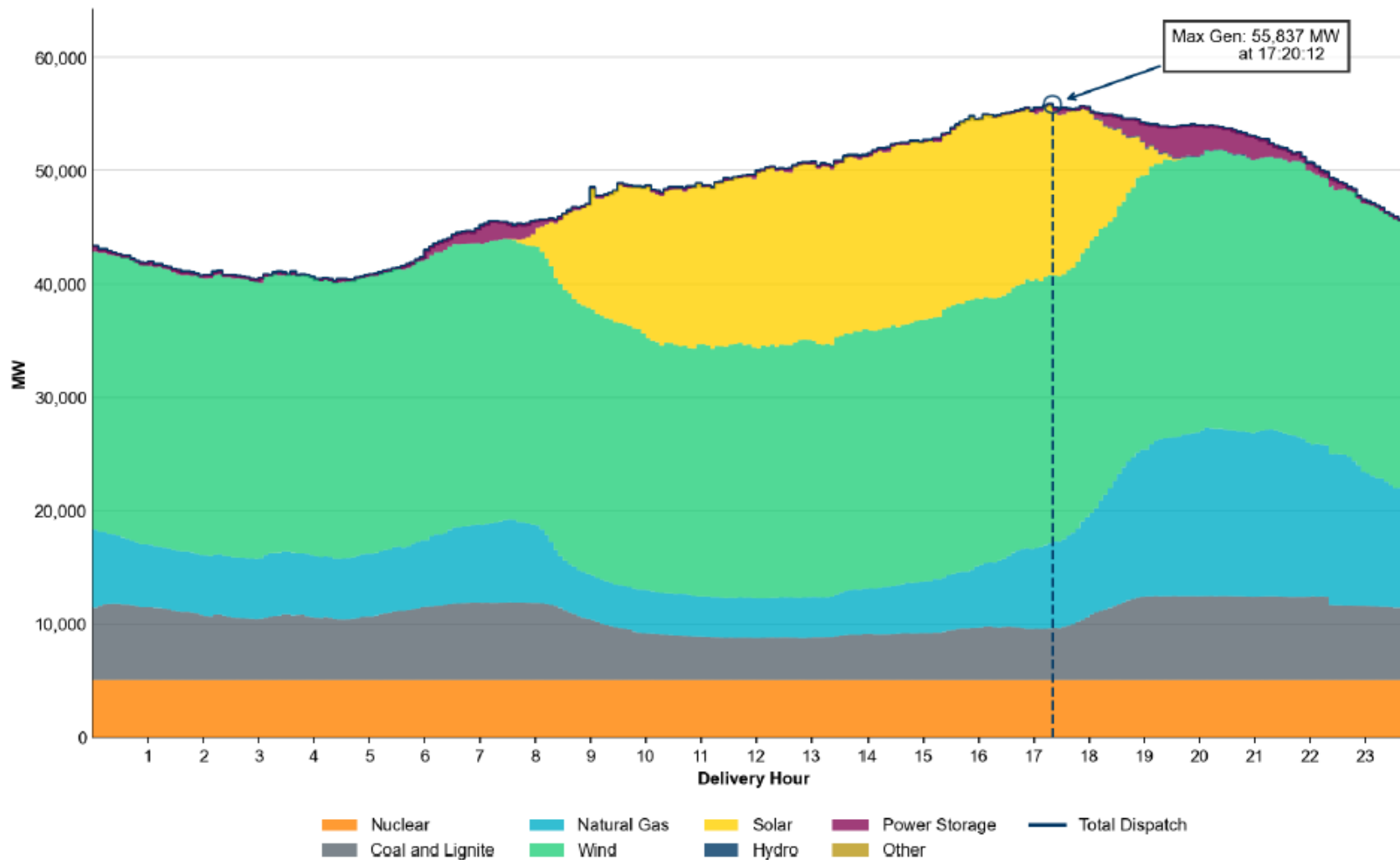
Weatherization Efforts Delivering Positive Results

Past Winter Storms Non-IRR Outages



Key Takeaway: Non-Intermittent Renewables Resource (IRR) outages stayed at a consistently low level across the 2024 and 2025 winter storms.

Combined Wind and Solar Penetration Record Set

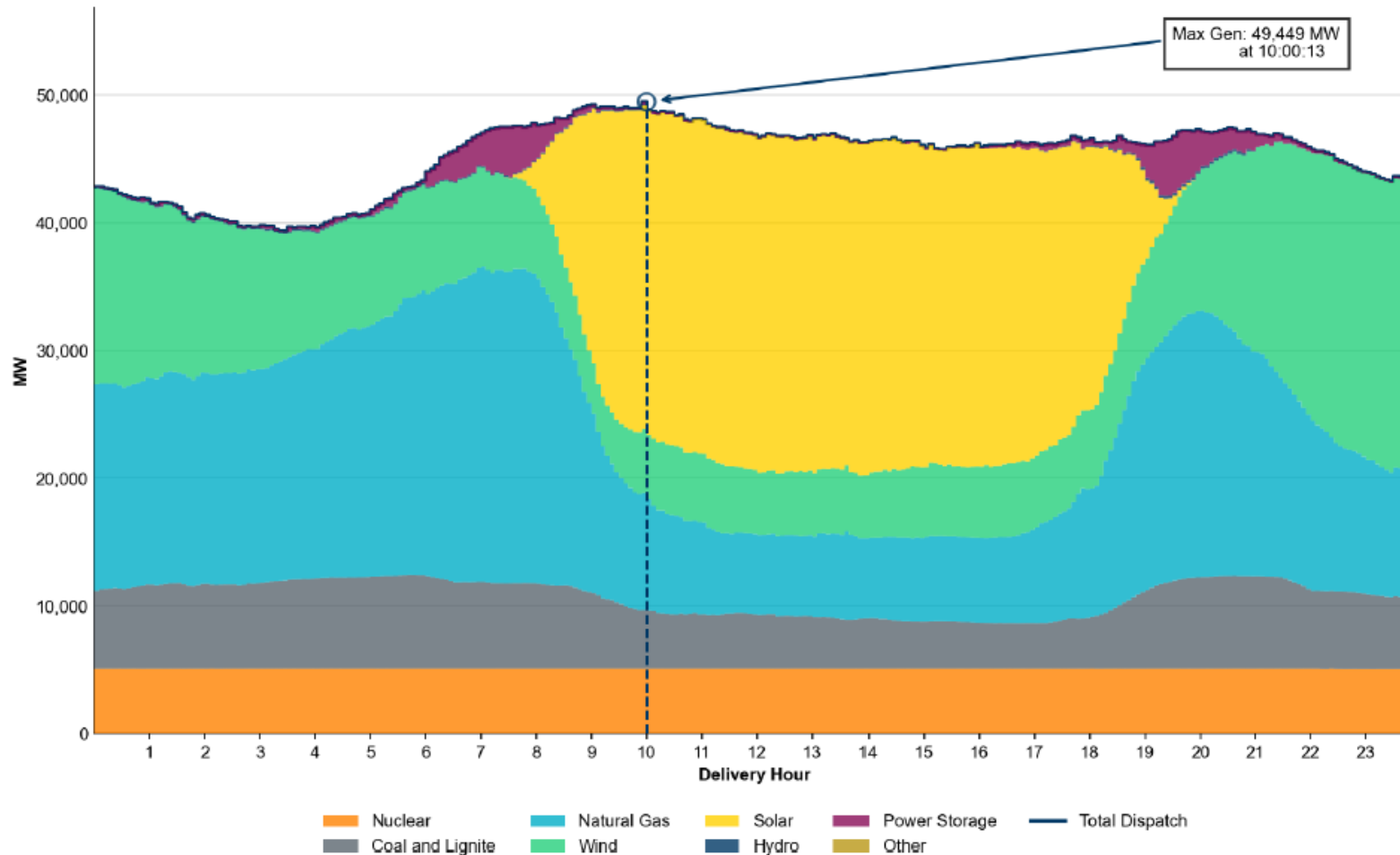


Highest penetration of renewables occurred at 15:55 on 3/18/25 with 72.96% of load.

Mild Spring days with modest energy demand and robust wind provide the best conditions for combined wind & solar penetration records.

Maximum discharge rate from energy storage systems has more than doubled from 3,217 MW on 5/8/24 to 7,741 MW on 9/11/25.

Solar Penetration Record Set



Highest penetration of solar occurred two days later at 12:25 on 3/20/25 with 56.60% of load.

Another mild Spring day with modest energy demand and clear skies allowed a new solar penetration record.

With new solar coming online this year, the record for instantaneous generation level hit 29,887 MW at 11:54 on 9/9/25.

Solar has now surpassed the instantaneous record for wind of 28,550 MW set at 20:42 on 3/3/25.

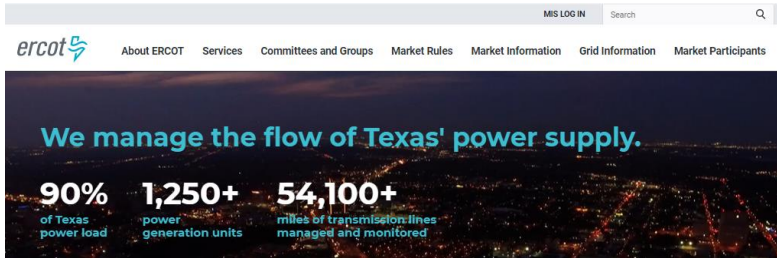
Most Common Compliance Concerns

- Awareness of, and compliance with, PUC rule provisions are expected and mandatory. The 16 TAC §25.55 – Weather Emergency Preparedness rule can be found at [25.55.pdf](#).
- Compliance levels are high for Market Participants (MPs) with mature programs. Newer Resource Entities have higher rates of compliance deficiencies. An [Information Session for Resource Entities](#) is being held at 10am on 10/30/25 and will be particularly valuable to new REs or personnel that are new to weatherization compliance activities.
- Training, staffing plans, and preparation measures must be completed by 12/1 or the resource commissioning date. Records demonstrating compliance are required. Qualified compliance personnel should accompany field staff during inspections.
- Please assure that contact information for Authorized Representative and Backup Authorized Representatives (AR/BAR) communicated to ERCOT is up to date. Responses to Notices of Inspection are required within 24 hours of issuance. Failures to comply may result in enforcement action. Consider using email rules to forward emails from ercot@servicenowservices.com to various compliance associated personnel in your companies.

Going Forward

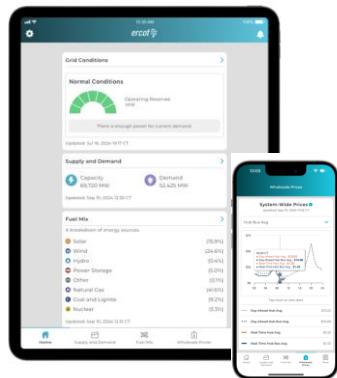
- Although ERCOT demand levels continue to grow, no summer peak demand records were created during the mild summer of 2025.
- We cannot afford to let our guard down, protecting the reliability of the power grid is a job that never ends.
- NERC EOP-012-3 – Extreme Cold Weather Preparedness and Operations affecting generators was approved by FERC on September 18, 2025 and became effective on October 1, 2025. Questions on this standard should be addressed to the Texas Reliability Entity or NERC.
- As we take ownership of our weatherization responsibilities, execute our roles with integrity, and collaboratively pursue excellent extreme weather reliability performance, we will continue to deliver for the people and the economy of Texas.

ERCOT Communication Channels



ERCOT website www.ercot.com

- Today's outlook and grid conditions
- Daily and seasonal weather
- Market information, prices and more



New ERCOT mobile app

- Real-time updates
- Wholesale pricing
- Information sharing

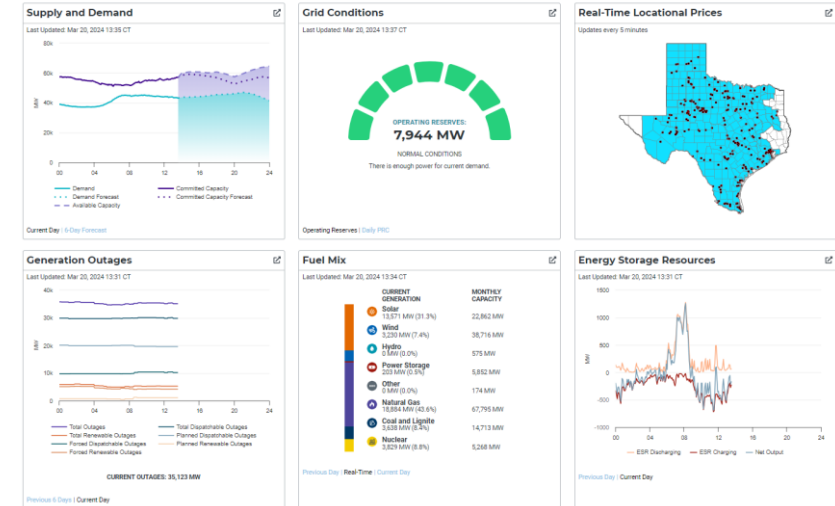


Grid and Market Conditions

These dashboards offer a snapshot of current conditions in the ERCOT system. The timestamp on each indicates when the information was last updated. Click the Full View link on a dashboard for an expanded display.

**Note: The 6-Day Forecast graph should only be used as a relative indication of future system conditions. Due to uncertainties associated with the longer-term nature of the forecasts used, both the Available Seasonal Capacity and Demand Forecast may adjust significantly as the Operating Day approaches.*

**Note: Capacity available from demand response programs is not reflected in the Current Day and the 6-Day Forecast graphs unless these programs have been deployed.*



- Early notifications ahead of periods of higher demand
- Provides greater transparency on grid operations
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