

# ERCOT MONTHLY

SEPTEMBER 2025

A RECAP OF KEY INFORMATION  
FROM THE PREVIOUS MONTH,  
A LOOK AT THE UPCOMING  
MONTH, AND A SNAPSHOT OF  
ADDITIONAL KEY ITEMS

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August 2025

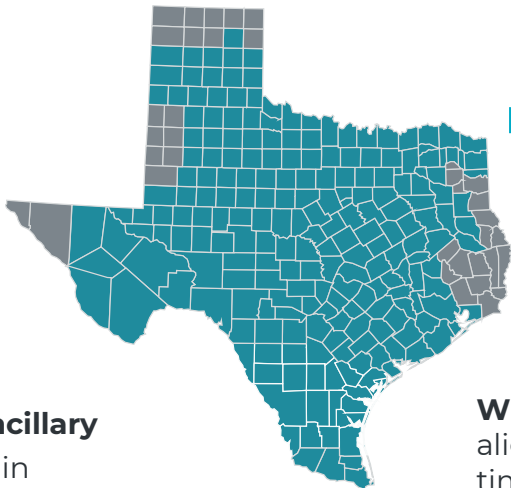
# Look Back

83,679\* MW

August 2025  
peak demand

ERCOT procured

**\$10.53** million in **Ancillary Services** for grid reliability in August 2025



85,508 MW

August record for  
comparison  
(August 20, 2023)

**Wholesale pricing** was in alignment with prices at this time last year

\*unofficial until final settlements



29,159 MW

August solar generation peak



24,948 MW

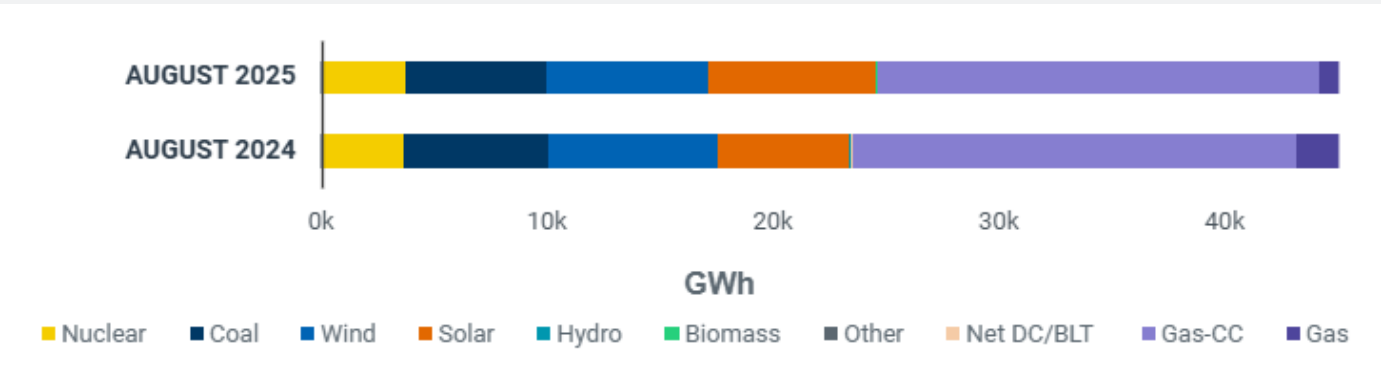
August wind generation peak



7,059 MW

max August discharge

## August 2025 vs. 2024 Energy Generation Comparison



November

# Outlook

## Monthly Outlook for Resource Adequacy (MORA) Report

The probabilistic modeling supporting the November MORA [report](#) shows a less than 1% chance of having to declare an Energy Emergency Alert (EEA). Reserve shortage risks are the highest during the evening hours from 6 p.m. through 9 p.m. Central Standard Time (CST), when daily loads are typically near their highest levels and solar production is ramping down. There is also a slight risk in the morning hours reflecting cold snaps that increase electric heating demand. Under typical grid conditions, there should be sufficient generating capacity available. The full report can be found on the [Resource Adequacy](#) page of ERCOT's website.

## Additional

# Items of Note

## ERCOT Outlines Interim Review Process for Large Load Net Metering Proposals under SB 6

ERCOT has initiated a new study process to evaluate net metering arrangements involving large electricity users, such as industrial facilities and data centers, that are co-located “behind the meter” with existing power plants.

This effort follows the passage of Senate Bill 6 and the creation of PURA §39.169, which requires ERCOT and the Public Utility Commission of Texas (PUCT) to jointly review these proposals to ensure they do not negatively impact the reliability of the electric grid. While the PUCT finalizes its rules, ERCOT is moving forward with an interim process to assess how these arrangements could affect the system.

From a technical standpoint, ERCOT will examine how these large load and generation pairings might impact the transmission grid, which is the network of high-voltage lines that moves electricity across the state. ERCOT will work with Transmission Service Providers to review existing studies and, if needed, perform additional analyses. These may include simulations under different operating conditions, such as peak demand or low solar output, to ensure the grid remains stable in these conditions.

ERCOT is also looking at how these new loads could affect the overall balance between electricity supply and demand. Using its regular forecasting tools, ERCOT will estimate how much extra electricity these large users will need and whether the system will have adequate power available, especially during extreme weather or high-demand periods. This includes calculating changes to the system's reserve margin, which is a buffer of additional generation capacity.

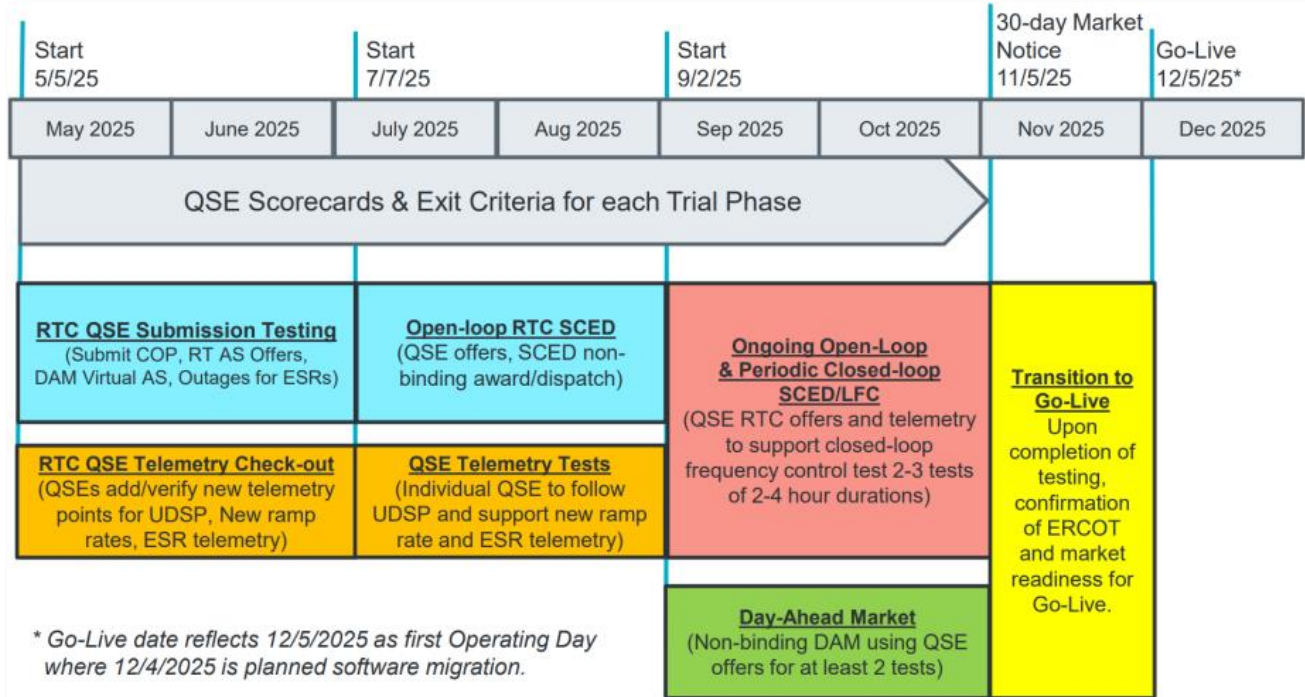
As a provision of SB 6, ERCOT may require these large users to reduce their electricity use when the grid is under stress. To do this effectively, ERCOT will collect new information, such as how quickly a facility can reduce its consumption and what its typical usage profile will be while operating. This helps ERCOT system operators plan ahead and manage the grid more effectively by reducing demand before an emerging emergency situation becomes critical.

Finally, ERCOT emphasizes that it will require power plants involved in these net metering setups to continue to follow all existing rules, including reporting outages, submitting current operating plans, and providing real-time telemetry data.

ERCOT will also require telemetry of real-time load data from large users co-locating with existing generators, which will ensure ERCOT operators have appropriate visibility of these loads and their impact on real-time system conditions.

## ERCOT and Market Participants Conduct Real-Time Co-optimization plus Batteries (RTC+B) Testing

Real-Time Co-optimization plus Batteries (RTC+B) is a major market enhancement initiative by ERCOT that integrates the procurement of energy and Ancillary Services within the Real-Time Market (RTM). Traditionally, these services have only been procured in the day-ahead market, but RTC+B enables ERCOT to co-optimize both energy and Ancillary Services in real-time, improving system efficiency, reducing costs to customers, and enhancing reliability. The program also includes several major enhancements in the integration of Energy Storage Resources (ESRs), allowing for their improved participation in the wholesale market.



The system leverages Security-Constrained Economic Dispatch (SCED) every five minutes and Load Frequency Control (LFC) every four seconds to ensure precise, dynamic balancing of supply and demand in real-time.

ERCOT has set a go-live date of December 5, 2025, for RTC+B, accelerating the timeline from the original mid-2026 target. This early deployment reflects the program's maturity and the successful completion of key development and testing milestones.

A major step toward that goal occurred on September 11, 2025, when ERCOT conducted a two-hour closed-loop production test of RTC+B. This test required Qualified Scheduling Entities (QSEs) with Resources to submit real-time telemetry and market offers into the RTC+B system and to follow dispatch instructions issued by the RTC+B versions of SCED and LFC in real-time. The test validated the ability of ERCOT and participating Resources to operate under full RTC+B conditions at the system-wide level, including telemetry accuracy, dispatch compliance, and frequency control.

While there is still work to be done, the successful execution of this closed-loop test marks a critical milestone in the transition to RTC+B. It demonstrates ERCOT and QSE readiness to manage real-time co-optimized dispatch and confirms that the supporting systems, telemetry, and market behaviors are coming into alignment for the upcoming December launch. A second test, to allow further tuning of systems by ERCOT and QSEs, is scheduled for October.

The "+B" in RTC+B refers to the improved integration of battery storage into the real-time co-optimization process. Under this framework, ERCOT will model storage resources as a single device and can dispatch those resources not only for energy delivery but also for Ancillary Services like frequency regulation and reserves. The systems account for a battery's state of charge and operational constraints, allowing for more precise and efficient use of storage resources. This is especially important as the market continues to add more renewable generation, which can be variable and intermittent. Batteries provide the flexibility needed to smooth out those fluctuations and maintain grid stability.

Looking ahead, RTC+B is expected to deliver significant benefits to Texas consumers. By co-optimizing energy and reliability services in real-time, ERCOT can reduce overall system costs, improve price transparency, and enhance reliability during a wide variety of grid conditions.

As the December 5 launch approaches, ERCOT will continue refining system performance and engaging stakeholders to ensure a smooth transition to this next-generation market design.

## **New Grid Research, Innovation, and Transformation Initiative Launched**

ERCOT has been increasing efforts to better utilize innovation and transformation through industry collaboration to meet the challenges and opportunities facing future grid operations. The [Grid Research, Innovation, and Transformation \(GRIT\)](#) initiative is advancing research and prototyping of emerging concepts and solutions to deeply understand the implications of rapid grid and technology evolution, positioning ERCOT to lead in the future energy landscape.

“As the ERCOT grid continues to rapidly evolve, we are seeing greater interest from industry and academia to collaborate on new tools and innovative technologies to advance the reliability needs of tomorrow’s energy systems,” said ERCOT President and CEO Pablo Vegas. “These efforts will provide an opportunity to share ideas and bring new innovations forward as we work together to lead the evolution and expansion of the electric power grid.”

This increased focus on innovation, transformation, and collaboration is highlighted on the new GRIT webpages and is comprised of these three key areas:

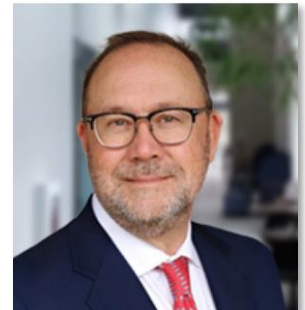
- Grid Transformation Initiatives
- Research and Innovation Partnership Engagement (RIPE)
- ERCOT Innovation Summits

Read more in our [news release](#).

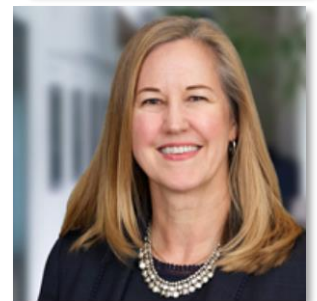
## Two Texans Named to ERCOT Board of Directors

Christopher A. Krummel of Houston and Kathleen S. McAllister of Austin have been named to the ERCOT [Board of Directors](#), completing the 12-member Board.

**Christopher A. Krummel** brings more than 30 years of financial executive experience in the energy and construction industries. Krummel currently serves as a founding partner of Krummel, Ellis & Weekley Advisory LLC (KEW), where he provides sell-side transaction advisory services to energy-focused clients. Currently, Krummel serves on the board of directors for Centuri Holdings and privately-held CRTS Global. He is active in the community serving as a member of the board of directors of Rebuilding Together Houston.



**Kathleen S. McAllister** is a seasoned public company Board Director, Audit Committee Chair, and qualified financial expert with experience in corporate governance stemming from more than 15 years of service as a CEO, CFO, and Board Director. McAllister has held diverse leadership roles in global, capital-intensive companies in the energy value chain and currently serves as an independent director for Black Hills Corporation and Höegh LNG Partners LP. Prior to this, she served on the board of Silverbow Resources, The Metals Company, and Maersk Drilling, and held roles of President and CEO, CFO, and Board Director for Transocean Partners LLC.



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