



PUBLIC

## Item 11: CEO Update

*Pablo Vegas*  
President and Chief Executive Officer

Board of Directors Meeting

September 22-23, 2025

### Purpose

- Presentation highlights ERCOT's recent Operations and Planning activities and highlights strategic areas of focus

### Key Takeaways

- ERCOT has entered Shoulder Season and is working with generator and facility owners to schedule off-peak season maintenance.
- ERCOT is evaluating and prioritizing the implementation of SB6 Large Load-related provisions through participation in PUCT rulemaking projects and development of ERCOT action items.
- Over 6,000 MW of new generation is under evaluation in ERCOT's Quarterly Stability Assessment. The first three Texas Energy Fund projects are part of this new batch of generation scheduled to come online in 2026.

\* Revised 9/21/25 (Slide 1: Key Takeaway)

\* Revised 9/20/25 (Slide 5: Key Takeaway)

# Shoulder Season

- Fall (September 15 – December 15)
- Spring (March 15 – May 15)
- In some cases, concurrent outages are limited to ensure reliable grid operations.
- All information and available slots are posted on our website for review and scheduling.
- This fall, ERCOT will apply the new methodology to determine the maximum daily resource planned outage capacity limit used to support the resource planned outage requests.
- ERCOT also has a generation outages dashboard that provides a graphical representation of planned and forced generation outages.

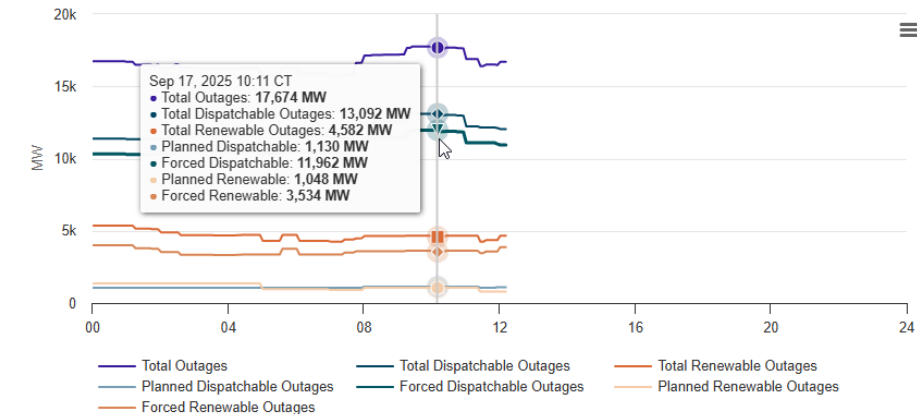
**Key Takeaway:** ERCOT works with Qualified Scheduling Entities (QSEs) and Transmission Owners to support requested maintenance outages while reliably operating the grid.

## Generation Outages Dashboard

### Generation Outages

**Generation Outages** is a graphical representation of planned and forced generation outages within the ERCOT system.

Last Updated: Sep 17, 2025 12:11 CT



**CURRENT OUTAGES: 16,696 MW**

[Previous 6 Days](#) | [Current Day](#)

Outages by Resource Type ▾



# Senate Bill (SB) 6 Implementation Roadmap

Net Metering Arrangements Involving  
a Large Load Co-Located with an  
Existing Generation Resource  
(PURA §39.169)

- PUCT Project No. 58479, **expected March 2026**
- Rulemaking will codify the process for the Commission's evaluation of a net metering arrangement involving a large load and co-located with an existing Generation Resource along with the criteria used to evaluate the arrangement.

Large Load Forecasting Criteria  
(PURA §37.0561)

- PUCT Project No. 58480, **expected March 2026**
- Rulemaking will establish criteria for including large loads in the forecasts that Transmission Service Providers (TSPs) submit to ERCOT for purposes of developing transmission planning and resource adequacy models and reports.
- Project will also establish criteria for Transmission Service Providers (TSPs) to reasonably determine existing and forecasted load (*see HB 5066 (88R)*).

Large Load Interconnection  
Standards (PURA §37.0561)

- PUCT Project No. 58481, **expected July 2026**
- Rulemaking will establish standards for the interconnection of large load customers in ERCOT that support business development while minimizing the potential for stranded infrastructure costs and maintaining system reliability.

Reliability Service to Competitively  
Procure Demand Reductions from  
Large Loads (PURA §39.170)

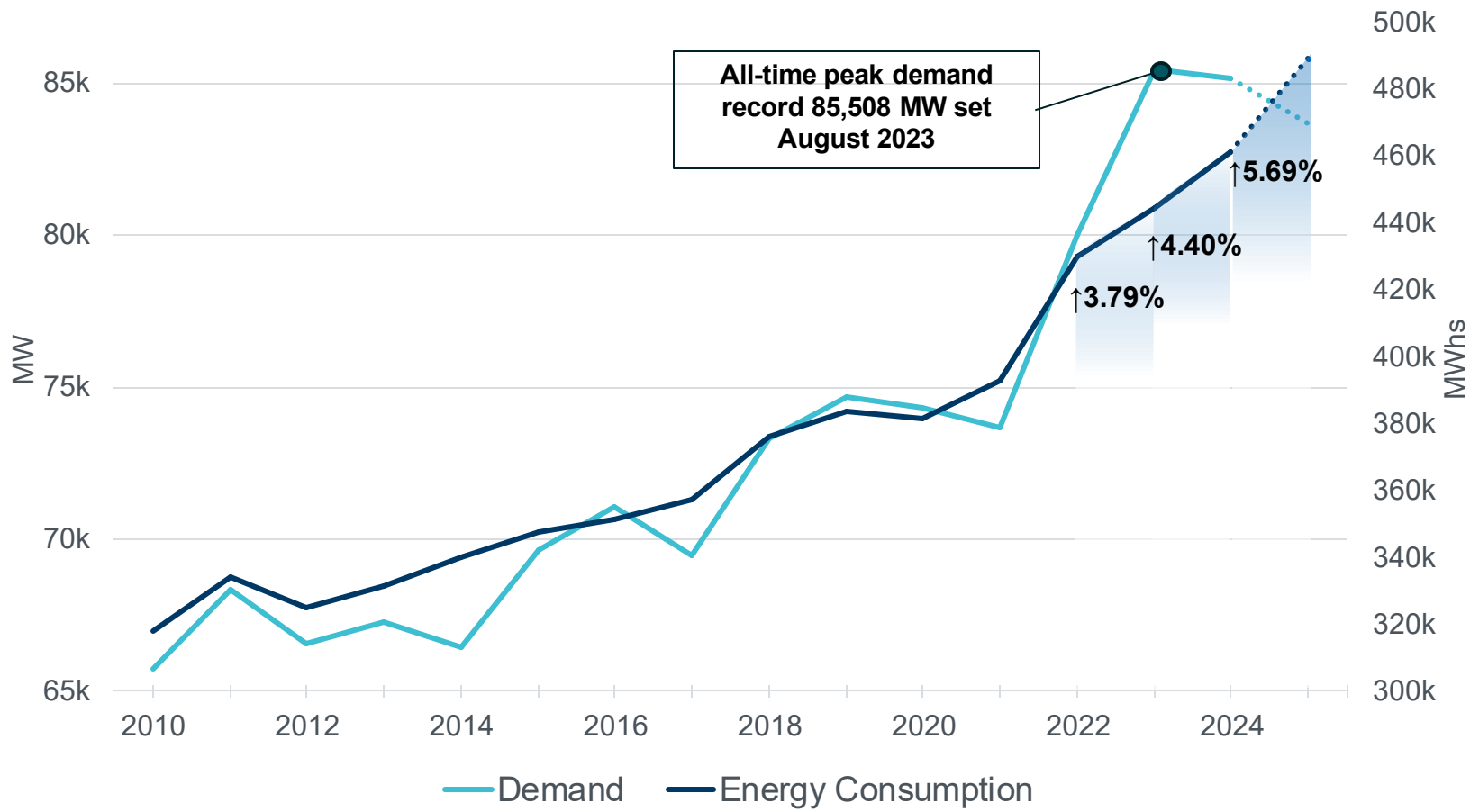
- PUCT Project No. 58482, **expected August 2026**
- Rulemaking will codify requirements for ERCOT to develop a new reliability service that competitively procures demand reductions from loads with a demand of  $\geq 75$  MWs to be deployed in the event of an anticipated emergency condition.

Evaluation of Transmission Cost  
Recovery (SB 6 Section 6 (a)-(c))

- PUCT Project No. 58484, **expected December 2026**
- Project will evaluate whether the existing 4CP methodology continues to appropriately assign costs for transmission investment or if an alternative methodology would more appropriately assign the costs of providing access and codify any recommendations in a subsequent rulemaking.



# Energy Consumption Growth



## Average Energy Growth

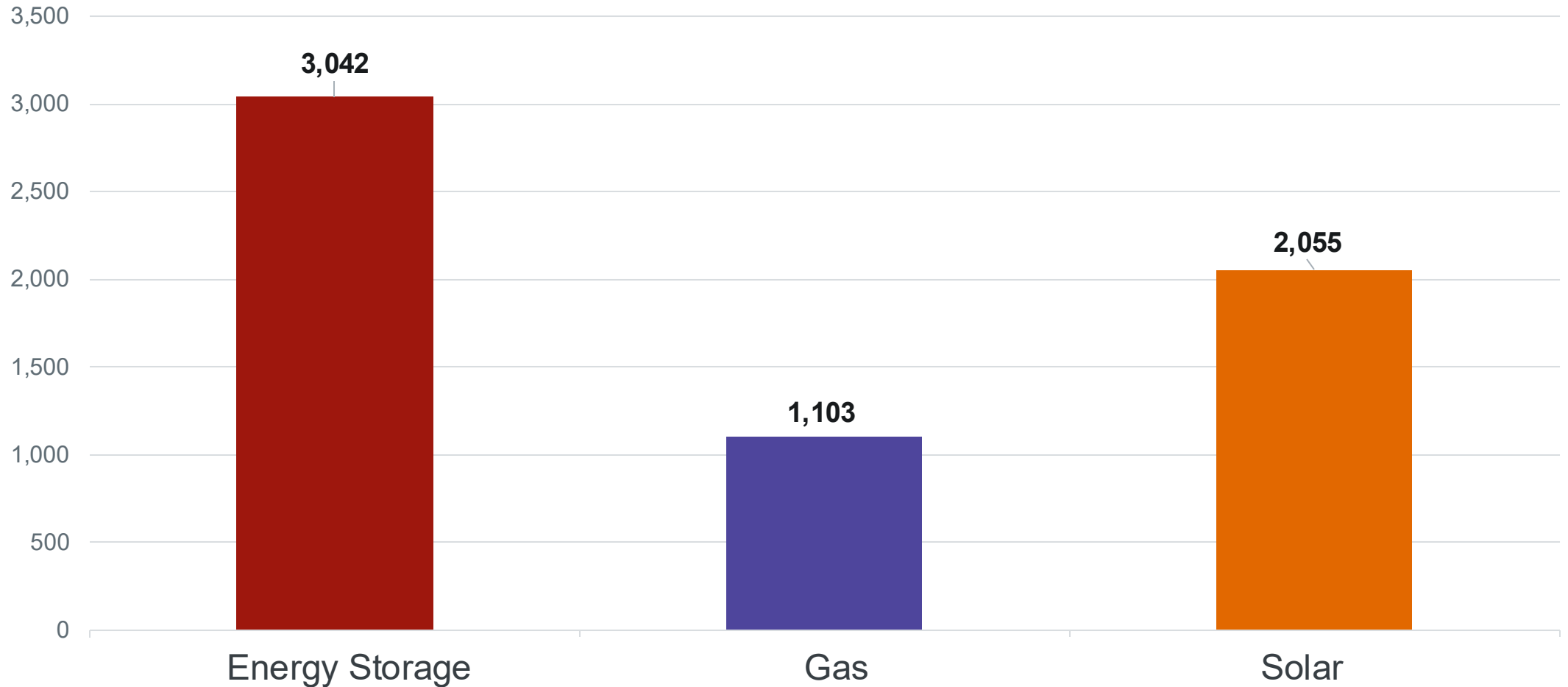
2010-2025	3.37%
2010-2020	2.53%
2021-2025	5.12%

*This is settled load data and does not include the ESR's.*

**Key Takeaway:** While ERCOT hasn't set a new all-time peak demand record since August 2023 (85,508 MW), energy consumption continues to increase year over year.



## Generation in the August QSA Being Evaluated to Synchronize January – March 2026



**Key Takeaway:** The August Quarterly Stability Assessment (QSA) is the largest one ERCOT has seen with over 6,000 MW of new generation. The first Texas Energy Fund Program projects are included in this QSA.



# Mobile Generation Update

- On June 4, ERCOT executed an Emergency Generation Service Agreement with Life Cycle Power (LCP) providing for the transfer of 15 mobile generators from Houston to San Antonio and the interconnection and operation of the generators at 9 CPS Energy substations.
- LCP moved all 15 generators from Houston to San Antonio in June and July and began setting up generators.
- LCP and CPS Energy executed last agreements on August 8.
- As of September 17, 2025, 8 generators have achieved initial synchronization, and 1 generator has been fully commissioned.
- ERCOT anticipates that all 15 generators will be fully commissioned by mid-October 2025.
- ERCOT has invoked good-cause exceptions relating to the mobile generators' compliance with voltage ride-through and Power System Stabilizer requirements; ERCOT is working with LCP to explore feasibility of compliance with these requirements, but PUCT has agreed that lower reliability risk justified allowing these units to interconnect and operate.

**Key Takeaway:** LCP mobile generators are in the process of commissioning and expected to complete commissioning by mid-October.



Photos courtesy of Life Cycle Power



# NOGRR245 Update – Frequency and Voltage Ride-Through Requirements

- New frequency and voltage ride-through requirements went into effect October 1, 2024, after ~1.5 years of development with stakeholders.
  - Inverter-based Resources (IBRs), Type 1 Wind-powered Generation Resources (WGRs), and Type 2 WGRs must meet minimum ride-through requirements and maximize Resources to meet or exceed those requirements.
  - Resources with Standard Generation Interconnection Agreement (SGIA) before August 1, 2024, must meet “Legacy” requirements. Resources with SGIA after August 1, 2024, must meet “Preferred” requirements.
  - April 15, 2025: Resource deadline to seek an extension or exemption from any requirement with ERCOT
    - 427 submittals – all contained deficiencies
    - Allowed a one-time opportunity to correct deficiencies
    - August 2025 workshop to provide input on deficiencies
  - September 15, 2025: New deadline to correct deficiencies in prior submissions – 453 total\*
    - 124 requested extension
    - 69 requested an exemption from at least one ride-through requirement
    - 85 requested both an extension and an exemption
    - 141 withdrew previous extension and/or exemption request
    - 22 did not complete
    - 12 provided late responses
- \* The increase to 453 reflects some Interconnection Requests becoming operational since April submissions.


**Key Takeaway:** ERCOT has begun evaluating the updated data and will start the reliability assessment process over the coming weeks.



# Grid Research, Innovation, and Transformation Initiative (GRIT)

## Latest Grid Transformation Proof-of-Concept Case Studies


### Energy Storage Resources Energy Sufficiency



Developing potential solution for Security Constrained Unit Commitment (SCUC) that incorporate multi-interval look ahead for energy storage resources, so that charge is available when needed most

[LEARN MORE](#)


### ERCOT Distribution Awareness Platform (EDAP)



Developing a platform to aggregate distributed energy resource (DER) information in a single platform, pulling information from aggregators, individual DERs, and other sources and also providing analytics/situational awareness

[LEARN MORE](#)


### Reactive Power Optimization



Studying if reactive power can be optimized across multiple time intervals, minimizing capacitor/tap switching while keeping voltage within bounds

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### Inertia and System Strength Measurement



Demonstrating the feasibility of using phasor measurement units (PMUs) to measure real-time system strength and inertia

[LEARN MORE](#)

### Innovation White Papers

[Artificial Intelligence and Machine Learning: A Strategic Review of Technology, and Opportunities and Challenges for Adoption](#)

[Beyond the Snapshot: A Case for Multi-Interval Security Constrained Optimal Power Flow](#)

[Distributed Energy Resources Operational Data: Value, Insights, and Technology Pathways for a Reliable Grid](#)

[Security Constrained Unit Commitment \(SCUC\)-Based Tool to Manage the Grid with Large Penetration of Energy Storage Resources](#)

[The Value of Mapping Electric Service Identifier to Common Information Model Network Model Load](#)

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### ERCOT Innovation Summit



Each year, ERCOT hosts its Innovation Summit, an event designed to discuss and promote innovative technologies that are shaping the electric grid of the future. Join us at the 2026 ERCOT Innovation Summit (details to come).

[2025 EVENT RECAP](#)

**2026 Innovation Summit**  
**March 31 at Kalahari Resorts & Conventions in Round Rock**



# Employee Recognition: Community Service & Generation & Load Interconnection Teams



## Interconnection Teams

Ali Ahmed	Daniel Lizarraga
Jonathan Avilez	Rick Montoya
Miguel James Aybar	Venkata Pasupuleti
Bill Blevins	Peter Qi
Kyle Blount	Shan Qureshi
Patrick Coley	Navila Rahman
Monieb Eldow	Derek She
Jenifer Fernandes	Julie Snitman
Rolando Garza	Agee Springer
Ed Geer	Kenisha Webber
Luis Gonzalez	CJ Vines
Caleb Holland	Chunyue Wang
Riaz Khan	Lei Wang
John Lawson	Dakeondrick Whitley
Javin Leggett	



## Community Service: Boys & Girls Club and Flood Response

Melissa Anderson	Adam Martinez
Aaron Ballew	Mark Miner
Elijah Ballard	Betty Nguyen
Drew Bonser	Rachel Overbay
Shad Chancey	Elizabeth Pagano
Alex Green	Richard Scheel
Blake Halstead	Stacy Skrhak
Stefani Hobratsch	Nguyen Stanton
Julie House	Ethan Stotts
Shawna Jirasek	Trudi Webster
Madeline Kane	John White
Jennifer Long	Michelle Zulaica
James Martin	

