



## Item 6: System Planning and Weatherization Update

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Vice President, System Planning and Weatherization

Board of Directors Meeting

June 1-2, 2026

### **Purpose**

Provide an update on recent activity related to transmission planning, modeling, resource adequacy and weatherization.

### **For information only**

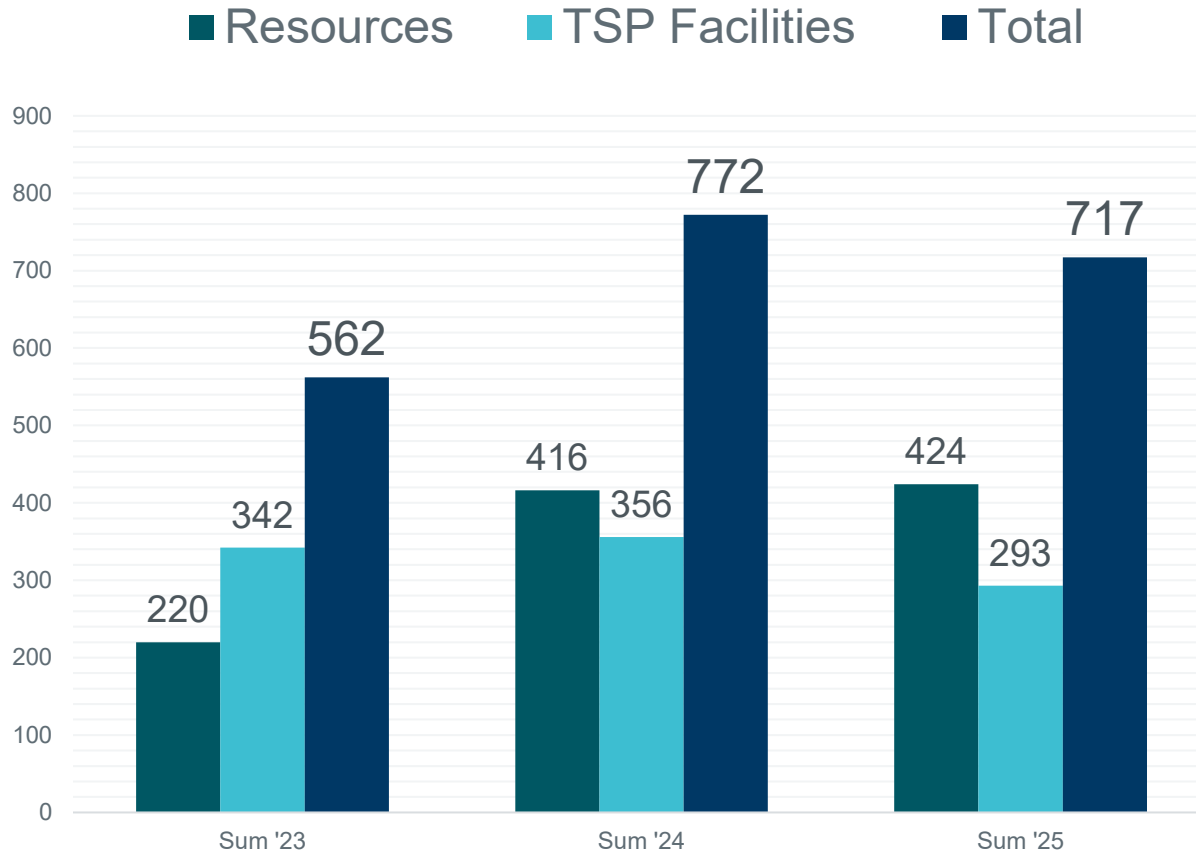
No action is requested; for discussion only.

### **Key Takeaways**

- ERCOT and Market Participants have been preparing for summer weatherization inspections.
- Certain Resource Adequacy reports will be delayed pending the finalization of the Long-Term Load Forecast.
- As the grid has continued to evolve and grow, the volume and complexity of Regional Planning Group (RPG) evaluations has dramatically increased.

# Summer Weatherization Inspection Update

## Historical Inspection Totals by Summer Season



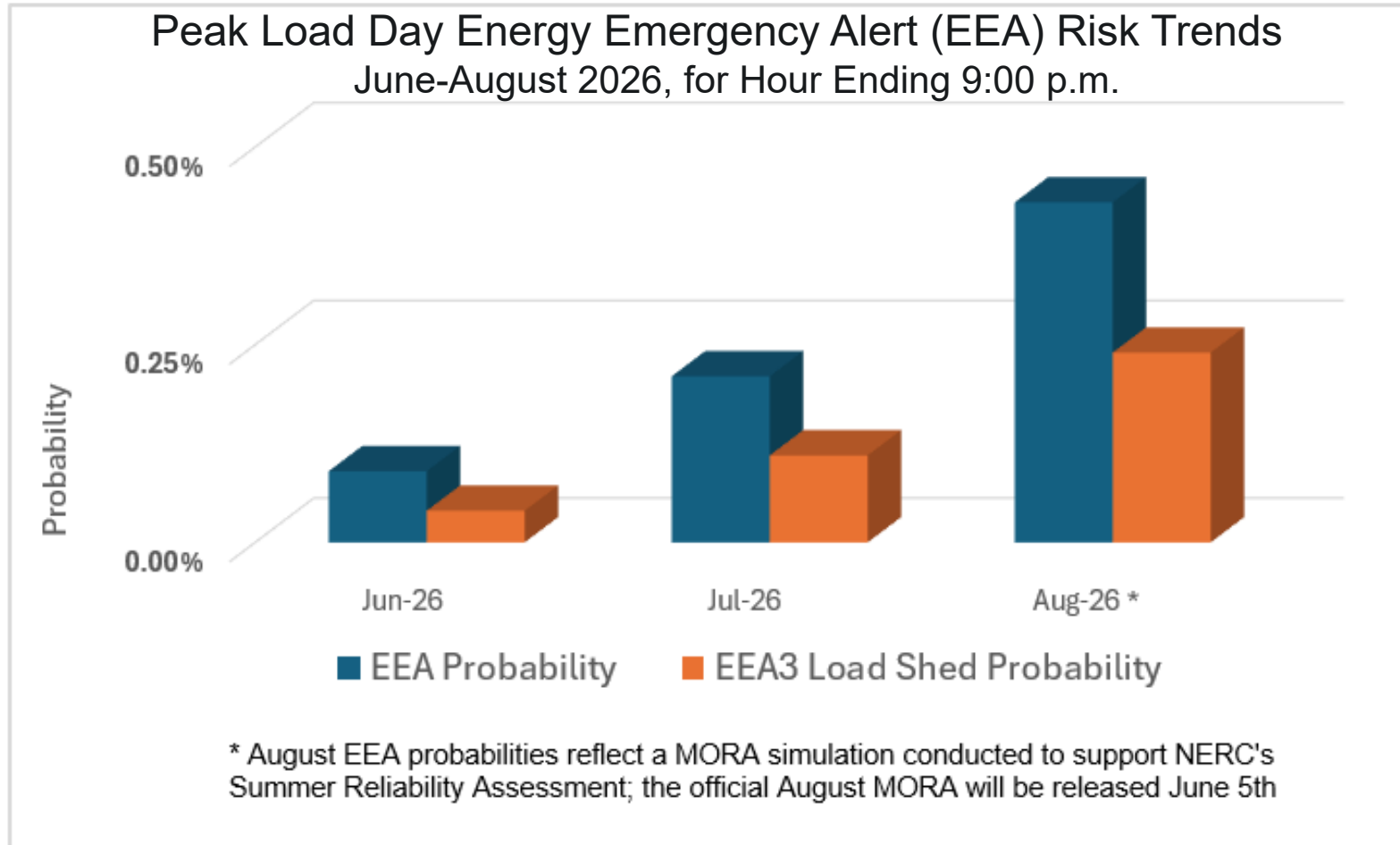
During April and May, ERCOT conducted numerous educational and support sessions to assist Market Participant preparations:

- Summer Weatherization Workshop *280+ attendees*
- Online training session for new Resource Entities *90+ attendees*
- Four Market Participant support sessions

Declarations of Weather Preparedness are due June 1<sup>st</sup>.

**Key Takeaway:** ERCOT is well positioned entering our fourth summer of weatherization inspections. We anticipate a minimum of 600 inspections this summer.

# Summer Resource Adequacy Reporting Recap



**Key Takeaways:** Probabilistic analysis indicates Summer EEA risk peaks in early evening hours with risk increasing in line with rising temperatures and associated air conditioning loads; EEA risk mitigation is increasingly dependent on the battery energy storage fleet maintaining sufficient discharge capacity to offset solar generation loss during the highest-risk hours.

## 2026 May Capacity Demand and Reserve (CDR) Report and Reliability Assessment Updates

- On April 15, 2026, ERCOT filed its Preliminary Long-Term Load Forecast (LTLF) with the PUC in Project No. 58777 (Triennial Reliability Assessment for the ERCOT Region under § 25.508). This data was based upon TSPs meeting the criteria for the 2026 Regional Transmission Plan (RTP) Compliance Plan.
- After Open Meeting discussions with Commission, on May 18, 2026, ERCOT a proposal to adjust the LTLF. The Commission is expected to consider the proposal and stakeholder comments at is June 18, 2026 Open Meeting.
- The delay to the LTLF will have a direct impact on resource adequacy reports (CDR and Reliability Assessment).

**Key Takeaway:** Resource Adequacy report schedules will be adjusted to accommodate adjustments to the LTLF.

### CDR

- The CDR relies on the most recent LTLF. ERCOT filed a Good Cause Exception on May 18, 2026 with the PUC to not publish the May CDR per Protocol requirement.
- In lieu of a May CDR, ERCOT posted five-year Resource capacity forecast data for market transparency.
- ERCOT will utilize the adjusted LTLF in the December CDR report along with alternative scenarios to show potential Large Load curtailment impacts resulting from Texas Senate Bill 6 provisions.

### Reliability Assessment

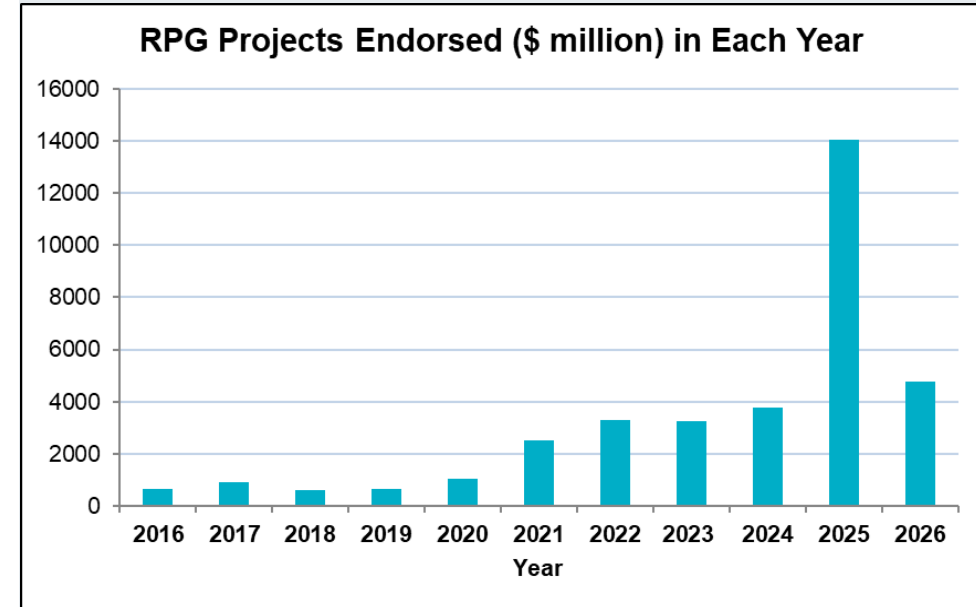
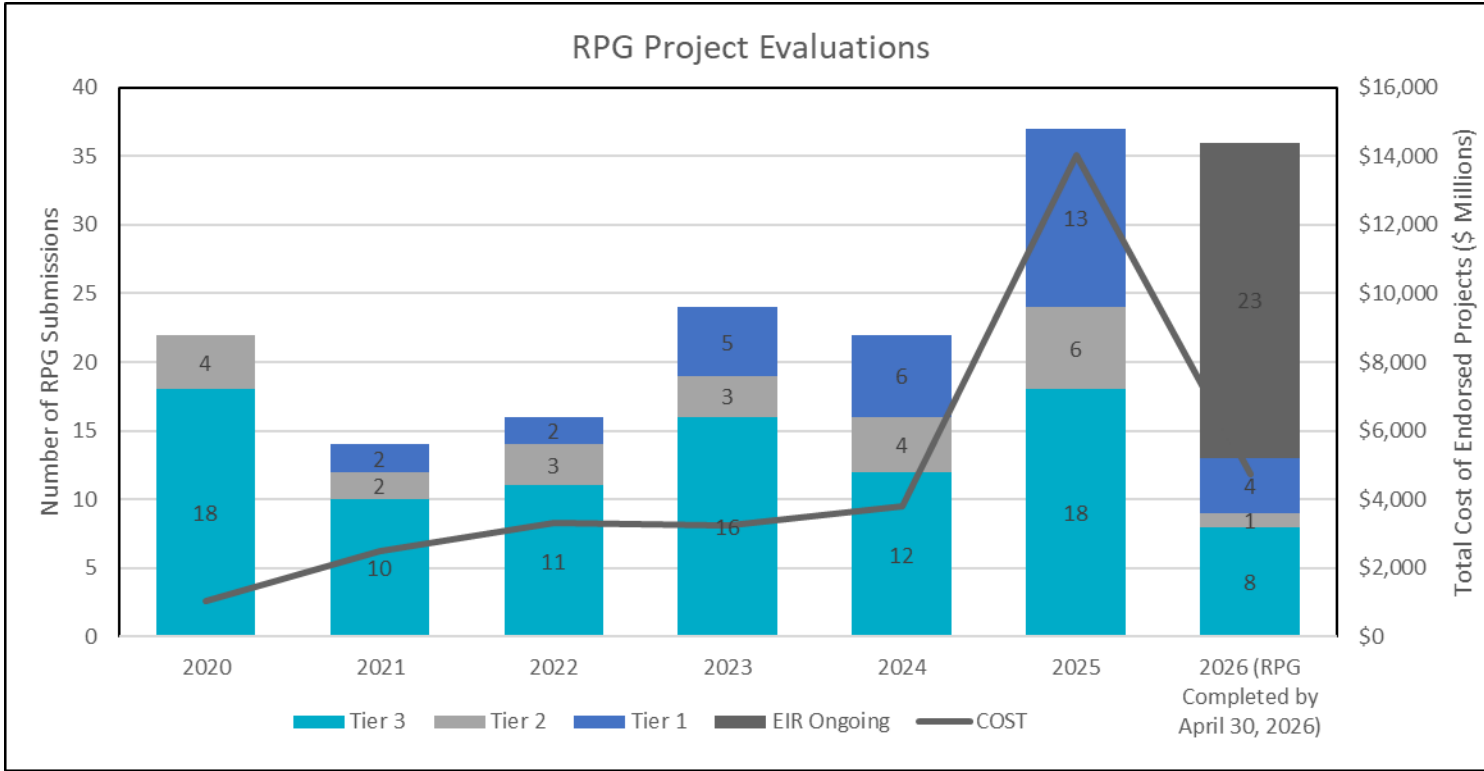
- While ERCOT continues study preparation work, the delay of the LTLF impacts the previous schedule.
- ERCOT will continue to work with PUC Staff to refine the schedule once the Commission provides guidance on the approach for adjusting the LTLF.

# Transmission Planning Summary

As of April 30, 2026, ERCOT has endorsed transmission projects totaling \$4.751 billion and is currently reviewing \$28.922 billion in 2026.

**Total endorsed transmission projects in:**

- 2024 equaled \$3.785 billion
- 2025 equaled \$14.036 billion



**Key Takeaway:** As the grid has continued to evolve (both types of load and generation), the volume and complexity of RPG evaluations has increased.

As of April 30, 2026