Item 9.2: 2025 Summer Operations

Dan Woodfin
Vice President, System Operations

Board of Directors Meeting

ERCOT Public
June 23-24, 2025

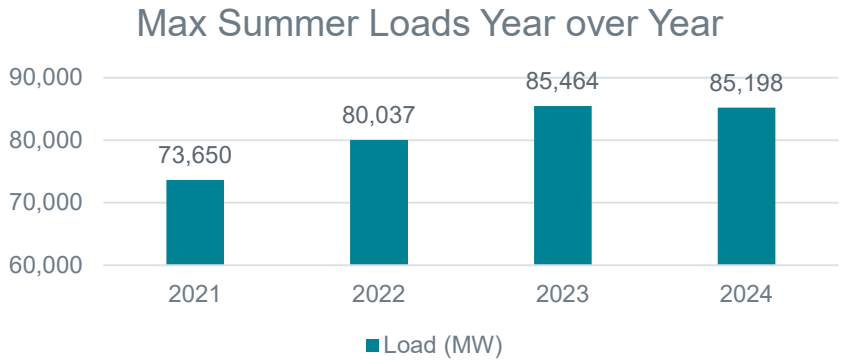
Summer 2025 Outlook: Load Forecast

- Summer 2024 Peak Load: 85,198 MW

- Large Flexible Load (LFL) growth:
  - Sept 2024 - May 2025: 617 MW (gross)
  - Expected May - Sept 2025: ~600 MW (gross)
  - Assumed 50% LFL response at time of peak

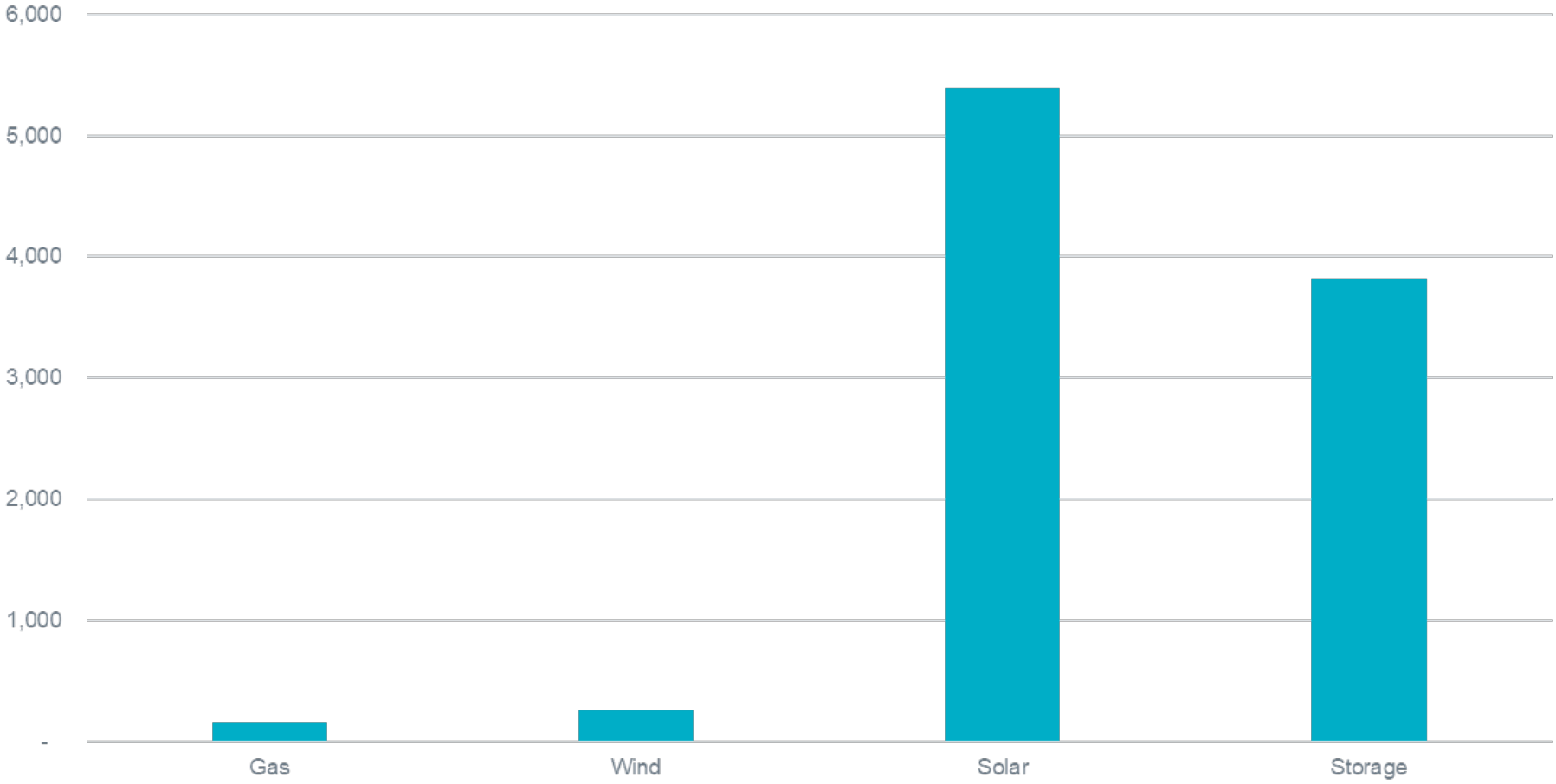
- Hot & Dry summer outlook supports chance of seeing a new record peak

- Forecasted summer 2025 Peak Load: 87.5 GW
  - Based on summer weather outlook and expected LFL and other load growth



Key Takeaway: 2025 summer peak load forecast is 87.5 GW. Actual peak load may vary based on weather conditions.

Summer 2025 Outlook: Generation Additions Since 2024



Key Takeaway: Since Summer 2024, 9.7 GW of resources have been synchronized to the grid. Solar: 5,395 MW, Wind: 253 MW, Gas: 168 MW, Battery Storage: 3,821 MW, and Diesel: 10 MW

*installed capacity additions made from 10/1/24 through 5/30/25

Monthly Outlook on Resource Adequacy

June Peak Load Day

Hour Ending (CDT)	Chance of Normal System Conditions	EMERGEI Chance of an Energy Emergency Alert
	Probability of CAFOR being above 3,000 MW	Probability of CAFOR being less than 2,500 MW
1 a.m.	100.00%	0.00%
2 a.m.	100.00%	0.00%
3 a.m.	100.00%	0.00%
4 a.m.	100.00%	0.00%
5 a.m.	100.00%	0.00%
6 a.m.	100.00%	0.00%
7 a.m.	100.00%	0.00%
8 a.m.	100.00%	0.00%
9 a.m.	100.00%	0.00%
10 a.m.	100.00%	0.00%
11 a.m.	100.00%	0.00%
12 p.m.	100.00%	0.00%
1 p.m.	100.00%	0.00%
2 p.m.	100.00%	0.00%
3 p.m.	100.00%	0.00%
4 p.m.	100.00%	0.00%
5 p.m.	100.00%	0.00%
6 p.m.	100.00%	0.00%
7 p.m.	100.00%	0.00%
8 p.m.	99.78%	0.04%
9 p.m.	99.06%	0.35%
10 p.m.	99.68%	0.12%
11 p.m.	99.95%	0.00%
12 a.m.	100.00%	0.00%

Note: Probabilities are not additi

July Peak Load Day

Hour Ending (CDT)	Chance of Normal System Conditions	EMERGEN Chance of an Energy Emergency Alert
	Probability of CAFOR being above 3,000 MW	Probability of CAFOR being less than 2,500 MW
1 a.m.	100.00%	0.00%
2 a.m.	100.00%	0.00%
3 a.m.	100.00%	0.00%
4 a.m.	100.00%	0.00%
5 a.m.	100.00%	0.00%
6 a.m.	100.00%	0.00%
7 a.m.	100.00%	0.00%
8 a.m.	100.00%	0.00%
9 a.m.	100.00%	0.00%
10 a.m.	100.00%	0.00%
11 a.m.	100.00%	0.00%
12 p.m.	100.00%	0.00%
1 p.m.	100.00%	0.00%
2 p.m.	100.00%	0.00%
3 p.m.	100.00%	0.00%
4 p.m.	100.00%	0.00%
5 p.m.	100.00%	0.00%
6 p.m.	100.00%	0.00%
7 p.m.	100.00%	0.00%
8 p.m.	99.98%	0.00%
9 p.m.	99.33%	0.31%
10 p.m.	99.64%	0.10%
11 p.m.	99.94%	0.02%
12 a.m.	100.00%	0.00%

Note: Probabilities are not additi

August Peak Load Day

Hour Ending (CDT)	Chance of Normal System Conditions	EMERGEN Chance of an Energy Emergency Alert
	Probability of CAFOR being above 3,000 MW	Probability of CAFOR being less than 2,500 MW
1 a.m.	100.00%	0.00%
2 a.m.	100.00%	0.00%
3 a.m.	100.00%	0.00%
4 a.m.	100.00%	0.00%
5 a.m.	100.00%	0.00%
6 a.m.	100.00%	0.00%
7 a.m.	100.00%	0.00%
8 a.m.	100.00%	0.00%
9 a.m.	100.00%	0.00%
10 a.m.	100.00%	0.00%
11 a.m.	100.00%	0.00%
12 p.m.	100.00%	0.00%
1 p.m.	100.00%	0.00%
2 p.m.	100.00%	0.00%
3 p.m.	100.00%	0.00%
4 p.m.	100.00%	0.00%
5 p.m.	100.00%	0.00%
6 p.m.	100.00%	0.00%
7 p.m.	100.00%	0.00%
8 p.m.	99.73%	0.03%
9 p.m.	98.85%	0.48%
10 p.m.	99.33%	0.17%
11 p.m.	99.89%	0.04%
12 a.m.	99.98%	0.00%

Note: Probabilities are not additi

Key Takeaway: Probabilistic modeling results indicate a low risk of having to declare an Energy Emergency Alert (EEA) for June, July and August.

CAFOR is Capacity Available for Operating Reserves

Summer 2025 Transmission Outlook

- No wide-area reliability concerns seen in studies, barring significant outages

- May experience congestion in some areas:
  - Import constraint into West and Far West Texas during periods of high load and low solar and wind generation.
  - Load growth driven constraints in Central Texas
  - Export constraints from Panhandle, West Texas and areas of the Rio Grande Valley during high wind conditions.
  - South Texas Export IROL: High load and high South generation
  - South Texas Import IROL: High load and low South generation

Key Takeaway: Widespread transmission reliability issues are unlikely for Summer 2025, although more-localized constraints may occur.