

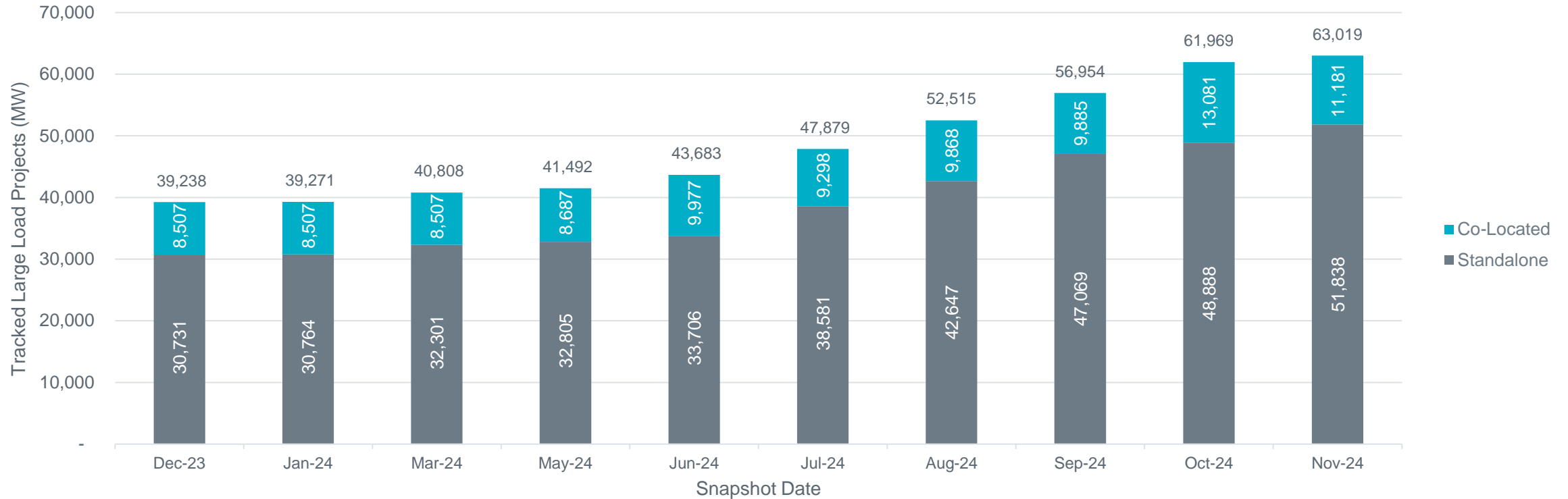


## Large Load Interconnection Status Update

Large Load Integration Team

Nov 20, 2024

# Large Load Queue – Past 12 Months

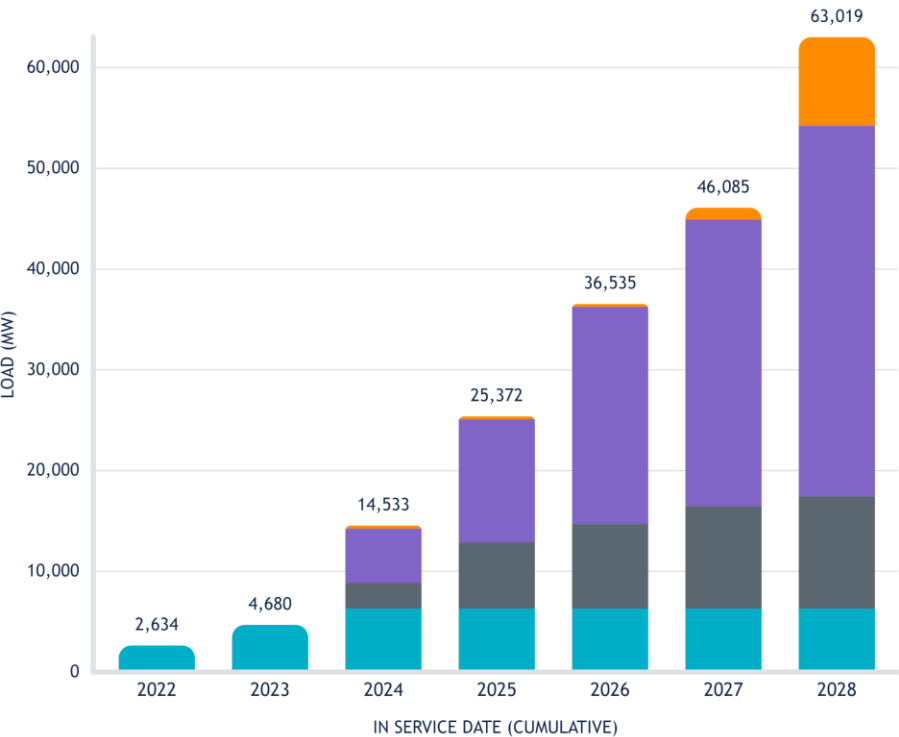


## Changes since October Queue Update

- Combination of new standalone and co-located projects, as well as several project cancelations, increased total queue capacity by 1,050 MW.

# Current Large Load Interconnection Queue

Actual and Projected Large Load Growth 2022-2028

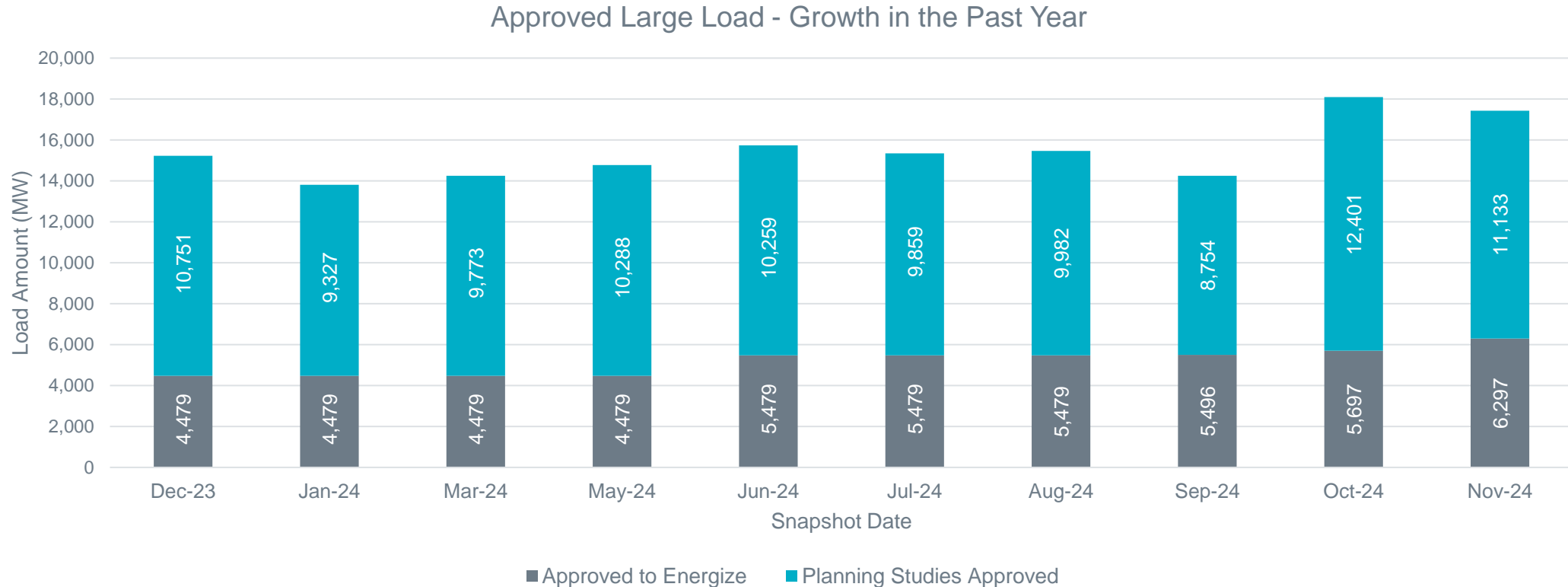


Project Status	2022	2023	2024	2025	2026	2027	2028
No Studies Submitted	-	-	290	290	290	1,190	8,802
Under ERCOT Review	-	-	5,375	12,205	21,554	28,424	36,788
Planning Studies Approved	-	-	2,571	6,580	8,394	10,174	11,133
Approved to Energize	2,634	4,680	6,297	6,297	6,297	6,297	6,297
Total (MW)	2,634	4,680	14,533	25,372	36,535	46,085	63,019

**NOTE:** In July 2024 ERCOT expanded the queue to include projects with projected in-service dates of 2028. Previously, projects without an in-service date were assigned a default ISD of 12/31/2027. Those projects were reassigned a default ISD of 12/31/2028.

- **Approved to Energize** – Projects that have received Approval to Energize from ERCOT Operations. NOTE: not all MWs in this category have been observed to be operational (see next slide)
- **Planning Studies Approved** – Projects that have received ERCOT approval of required interconnection studies. Any MWs that were not approved are reclassified as No Studies Submitted.
- **Under ERCOT Review** – Projects that have studies under review by ERCOT
- **No Studies Submitted** – Projects that are tracked by ERCOT but that have not yet provided sufficient information for ERCOT to begin review. Additionally, MWs that were not approved by ERCOT after review of planning studies are included in this category until a path to interconnect these MWs is identified, or the customer cancels the interconnection request.

# ERCOT Approvals – Past 12 Months

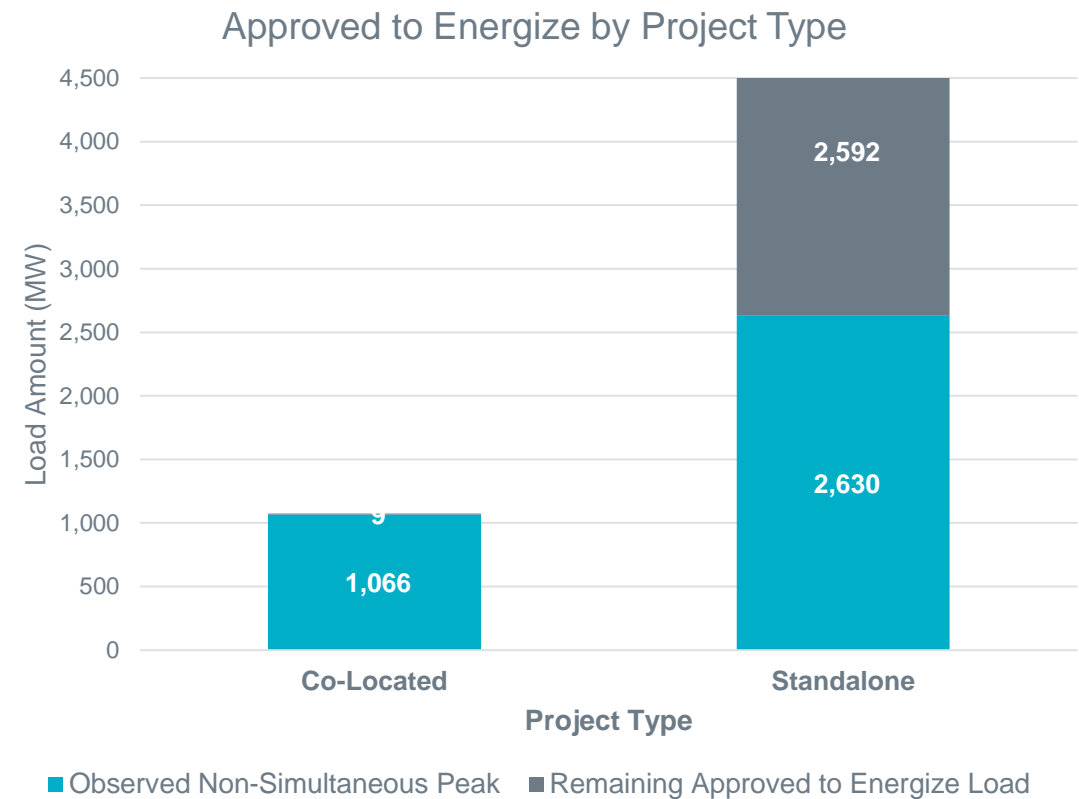
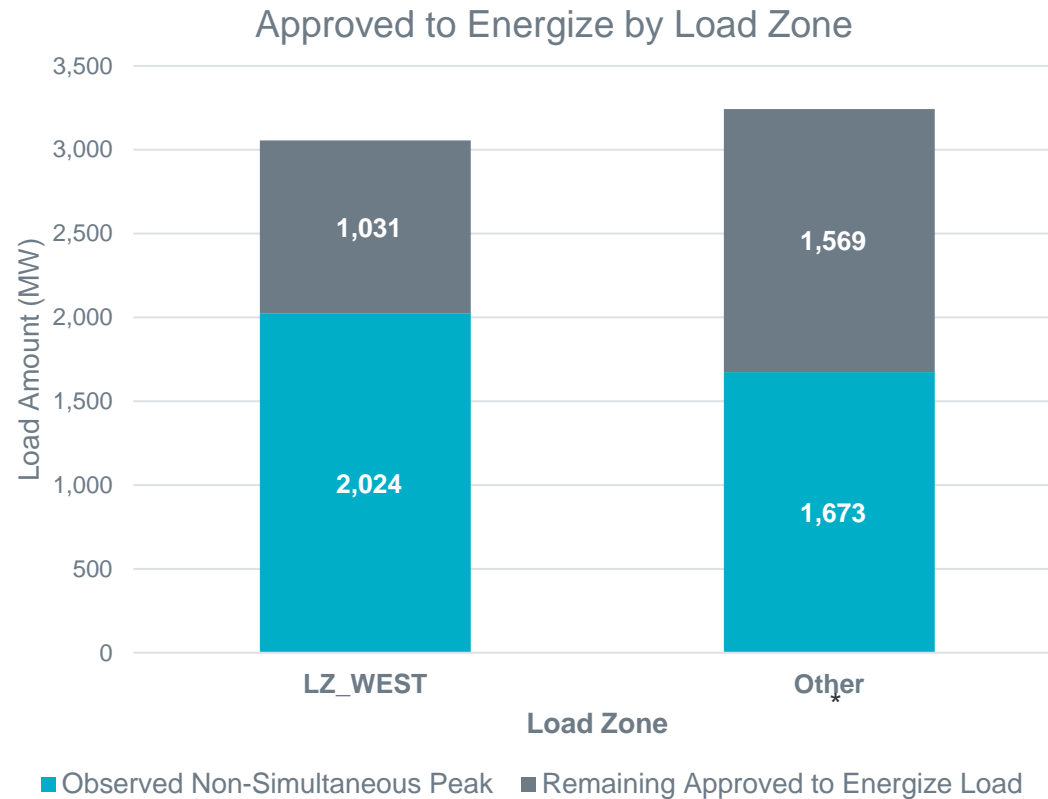


## ERCOT Approvals Since Dec 2023 (Observations)

- Total load with planning studies approved decreased in Oct 2024 after temporarily increasing earlier in the year. The past year has seen of 1,818 MW of load approved to energize.

# Loads Approved to Energize – By Zone & Project Type

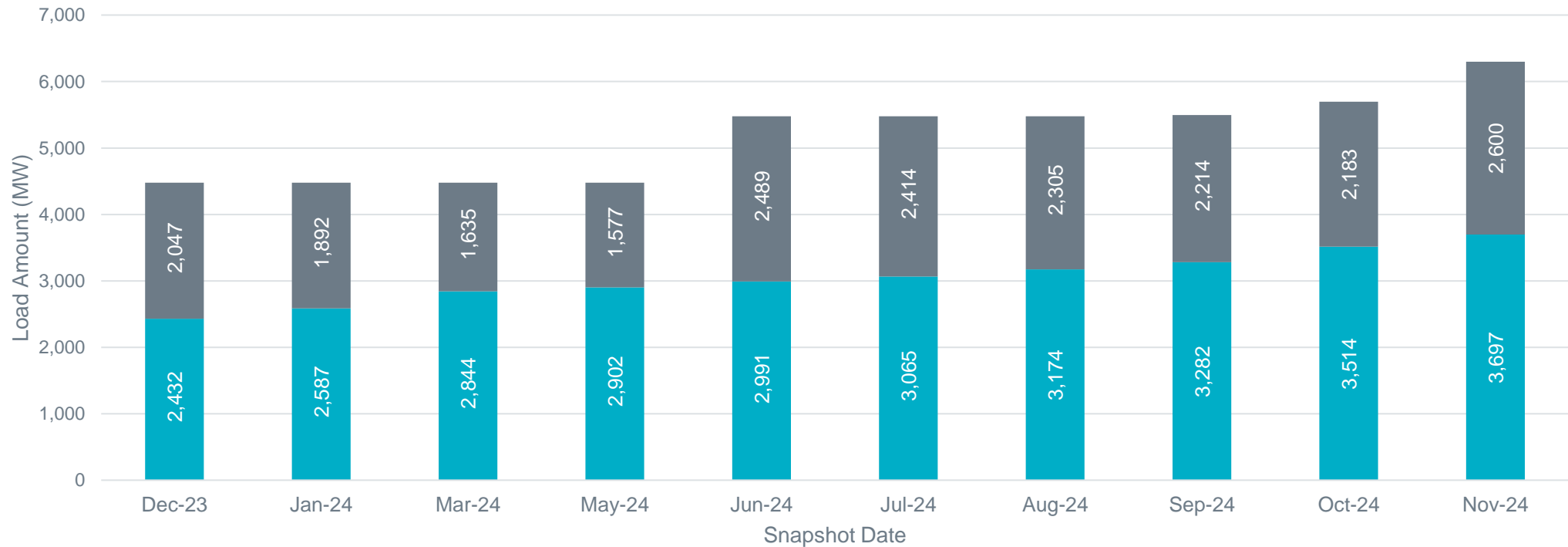
- Of the total 6,297 MW Approved to Energize,
  - 3,055 MW resides in LZ\_WEST and 3,242 MW resides in the other load zones.
  - 5,222 MW consists of standalone projects and 1,075 MW consist of co-located projects.



\* Includes LZ\_NORTH, LZ\_SOUTH, and LZ\_HOUSTON

# Loads Approved to Energize – Observations

- Of the 6,297 MW that have received Approval to Energize, ERCOT has observed a **non-simultaneous** peak consumption of 3,697 MW.
  - This is calculated as the sum of the maximum value for each individual load regardless of when that maximum occurred
  - This value represents how much approved load ERCOT believes is now operational

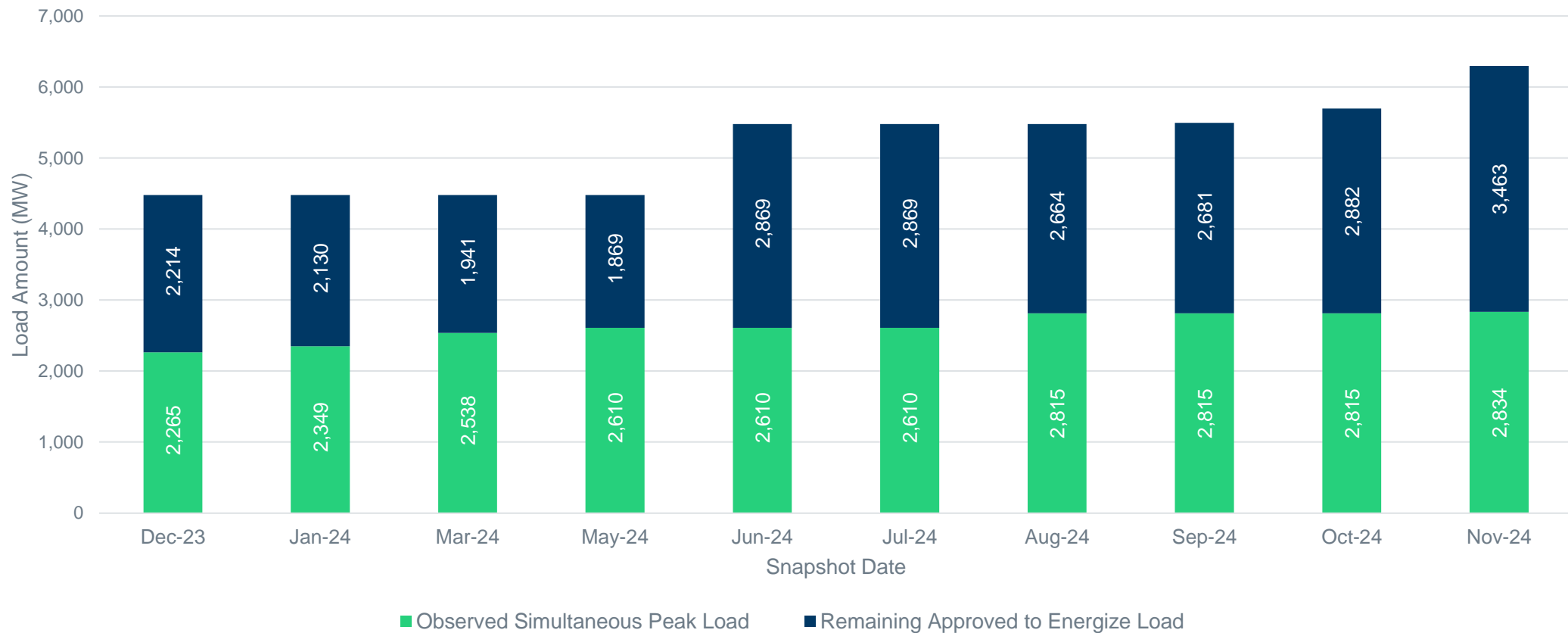


■ Observed Non-Simultaneous Peak Load

■ Remaining Approved to Energize Load

# Loads Approved to Energize – Observations

- ERCOT has observed a **simultaneous** peak consumption of 2,834 MW.
  - This is the maximum value of the sum of all the individual loads
  - This value is the maximum amount of large load that ERCOT has had to serve at a single point in time



# Questions?

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