



# Large Load Interconnection Status Update

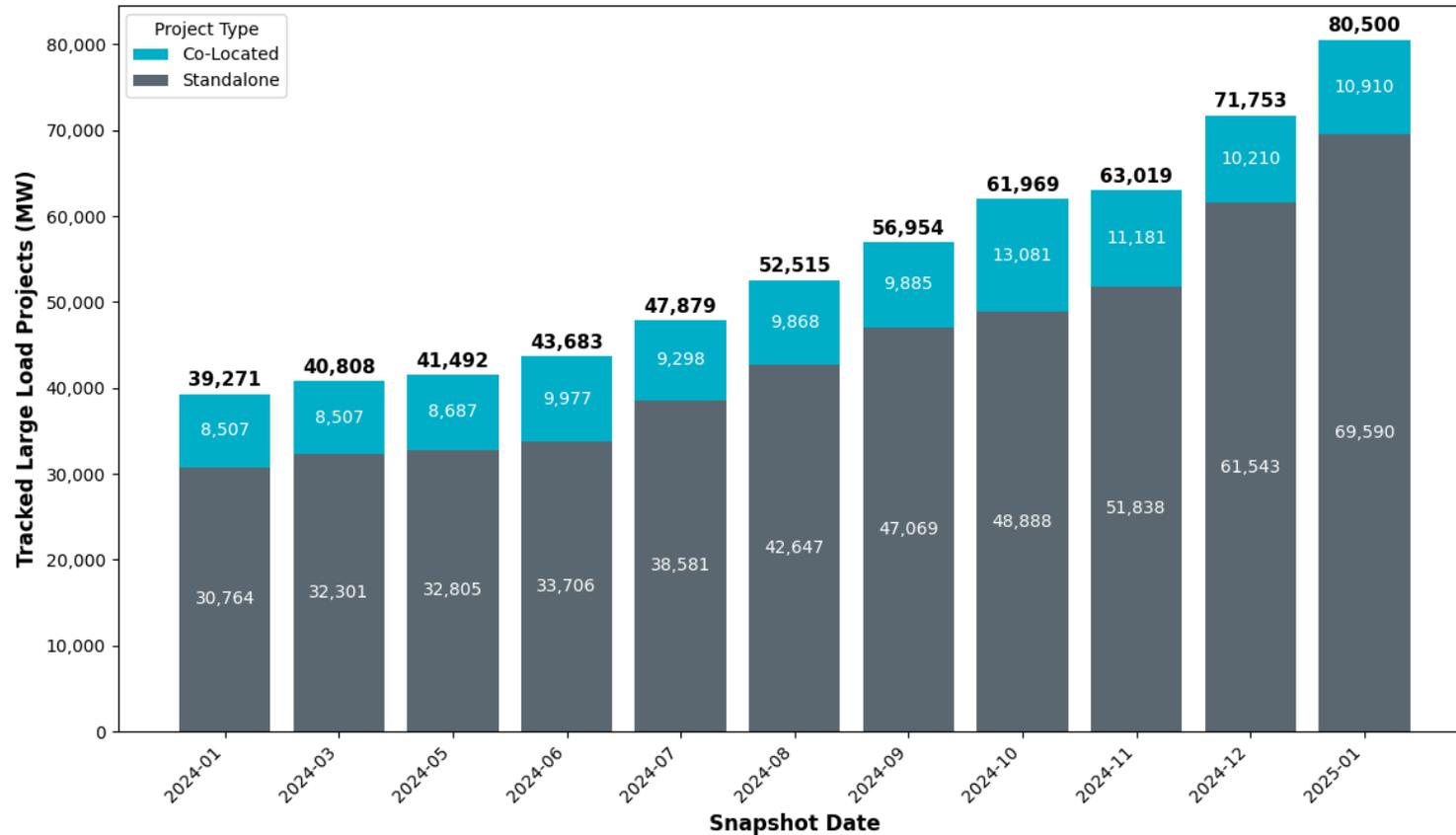
Large Load Integration Team

Jan 22, 2025

## Queue Update – Updated Methodology

- Queue overview graph on slide 4 now includes more granular data on ramp schedules
  - This change will be reflected in presentations going forward
  - Ramp schedules are still updated based on information provided by TSPs
- Approval to energize peak values are displayed as the current monthly peak (slide 8)
  - The all-time peak is still displayed on this slide

# Large Load Queue – Past 12 Months



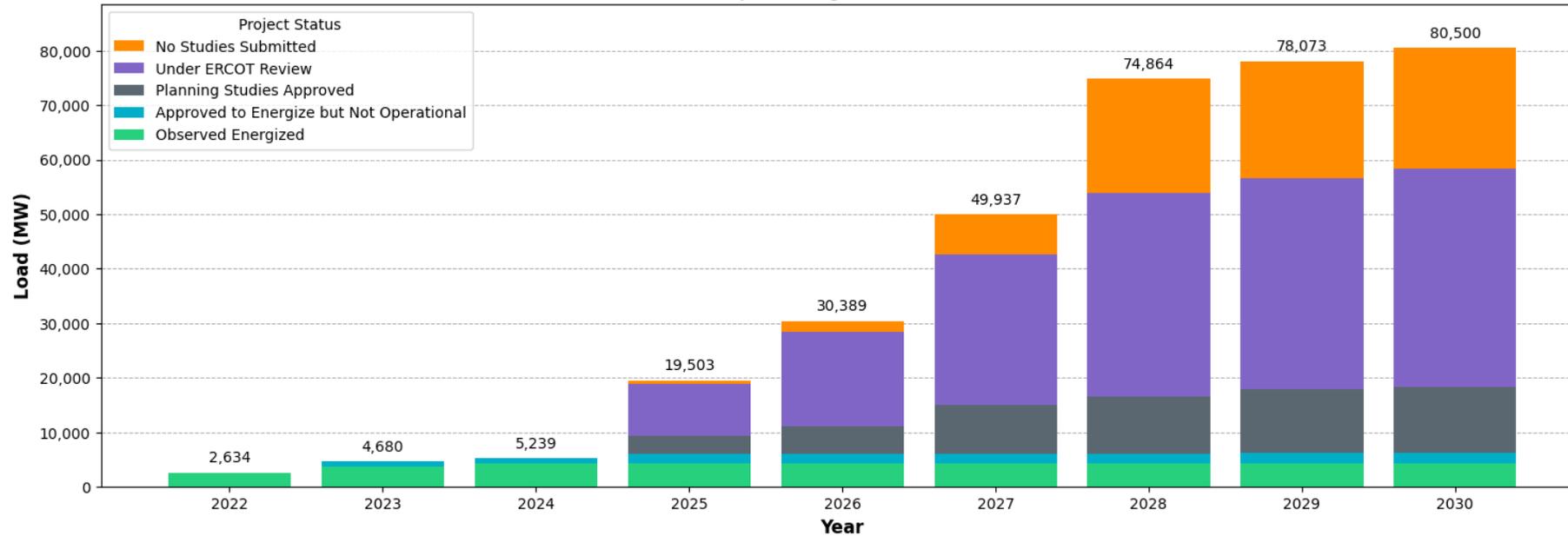
## Changes since November Queue Update

- Combination of new standalone and co-located projects, as well as several project cancelations, increased total queue capacity by 17,481 MW.
- In anticipation of PGRR 115 and NPRR 1234 passing, interconnect requests for loads energizing > 2 years in the future have dramatically increased in the past two months



# Current Large Load Interconnection Queue

Actual and Projected Large Load Growth 2022-2030

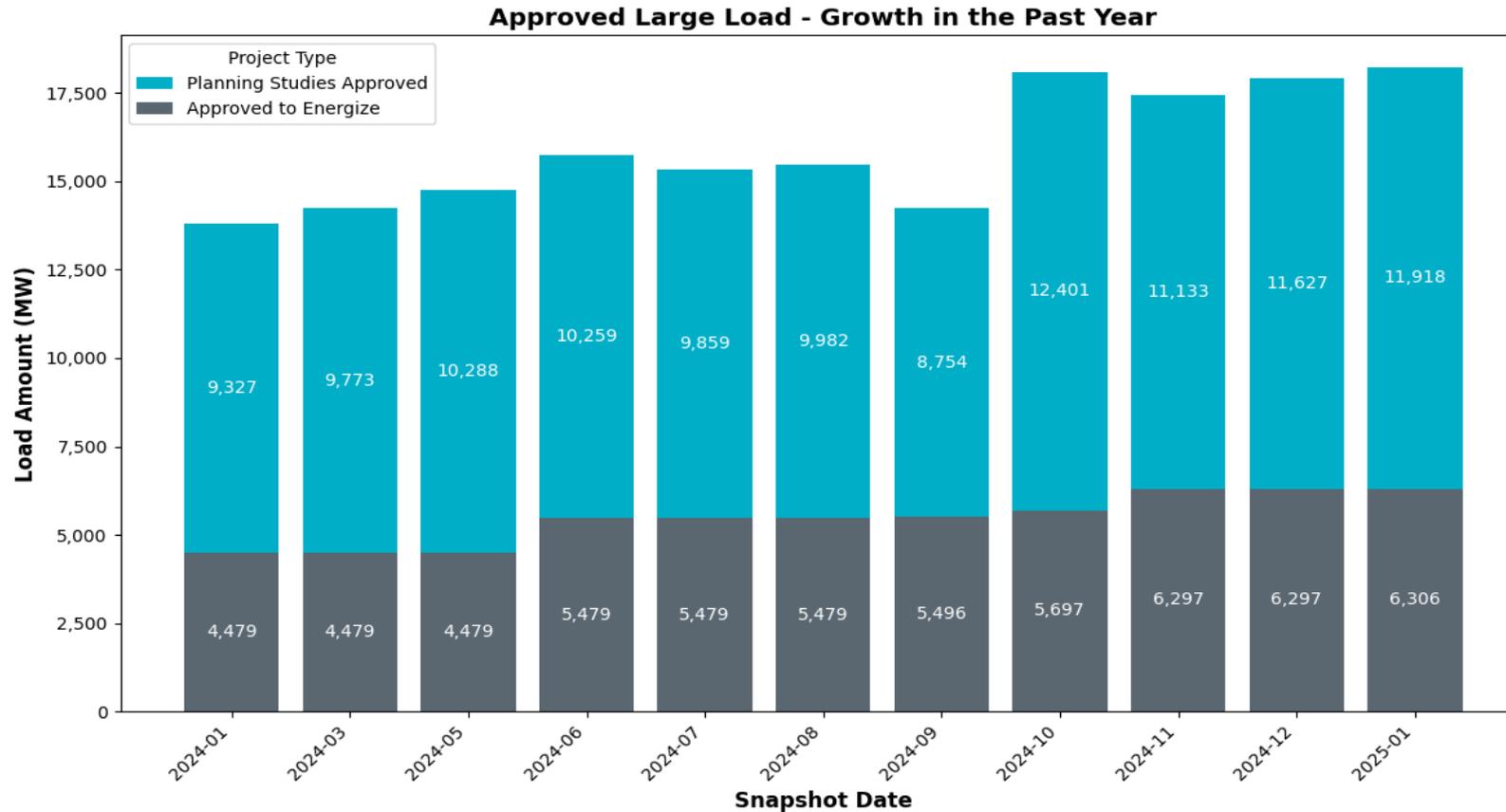


| Project Status                           | 2022         | 2023         | 2024         | 2025          | 2026          | 2027          | 2028          | 2029          | 2030          |
|--|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| No Studies Submitted                     | 0            | 0            | 0            | 705           | 1,965         | 7,406         | 20,965        | 21,474        | 22,202        |
| Under ERCOT Review                       | 0            | 0            | 0            | 9,469         | 17,312        | 27,432        | 37,324        | 38,594        | 40,074        |
| Planning Studies Approved                | 0            | 0            | 0            | 3,323         | 5,106         | 9,093         | 10,569        | 11,699        | 11,918        |
| Approved to Energize but Not Operational | 88           | 918          | 983          | 1,750         | 1,750         | 1,750         | 1,750         | 2,050         | 2,050         |
| Observed Energized                       | 2,546        | 3,762        | 4,256        | 4,256         | 4,256         | 4,256         | 4,256         | 4,256         | 4,256         |
| <b>Total (MW)</b>                        | <b>2,634</b> | <b>4,680</b> | <b>5,239</b> | <b>19,503</b> | <b>30,389</b> | <b>49,937</b> | <b>74,864</b> | <b>78,073</b> | <b>80,500</b> |

- **Observed Energized** – Projects that have received Approval to Energize from ERCOT Operations and are fully operational.
- **Approved to Energize but Not Operational** – Projects that have received Approval to Energize from ERCOT Operations but are not observed to be operational.
- **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

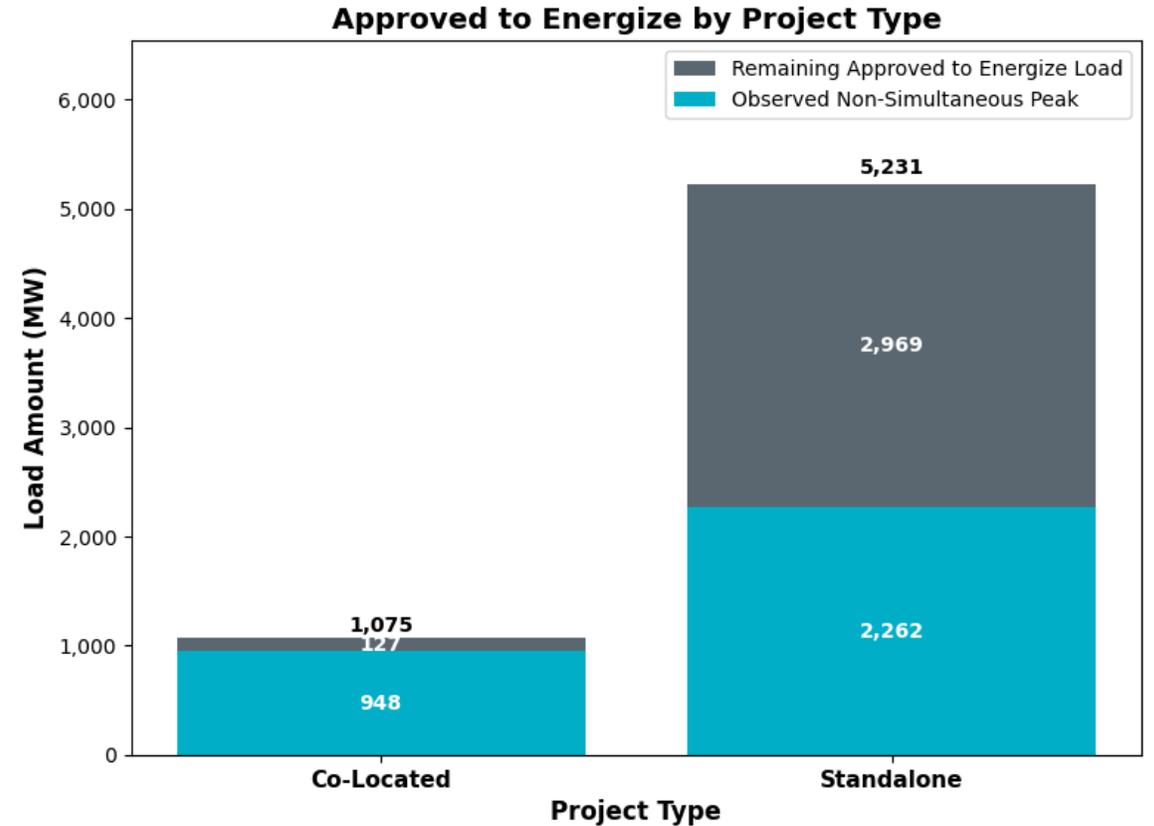
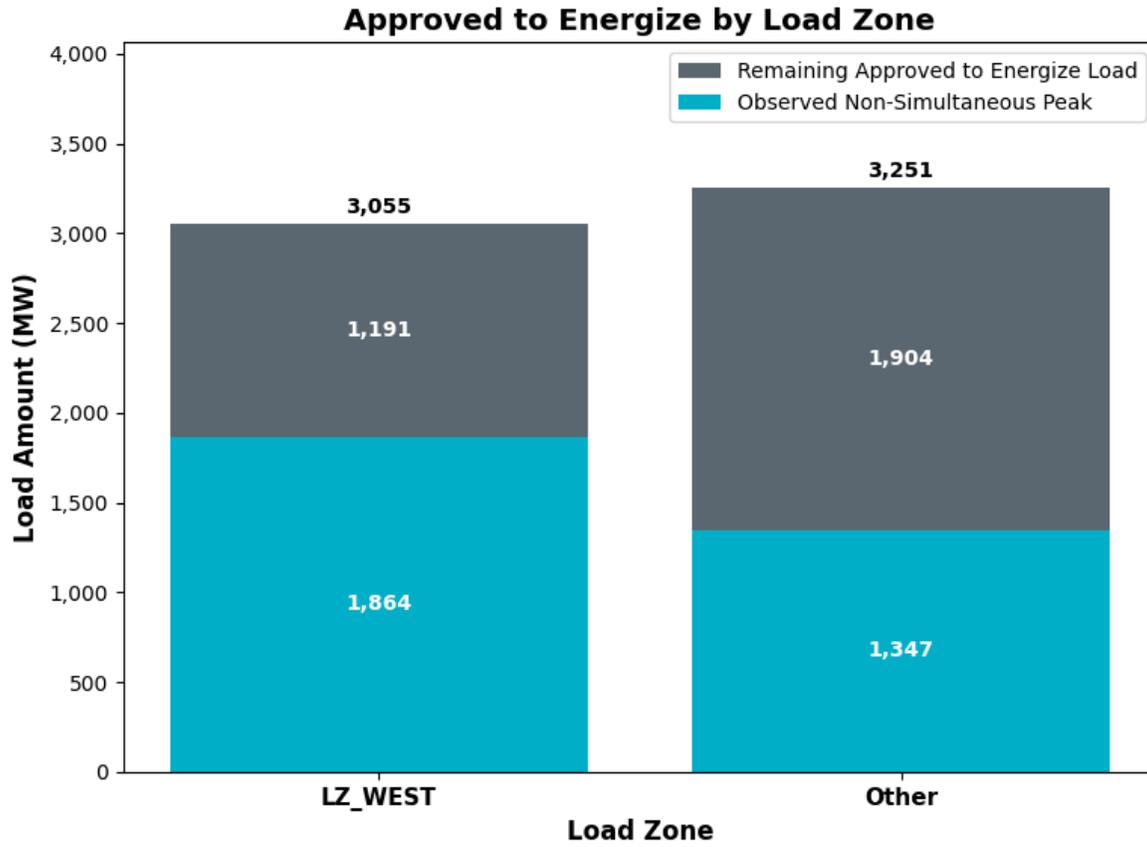


## ERCOT Approvals Since Jan 2024 (Observations)

- Total load with planning studies approved have increased slightly in Jan 2025 after fluctuating in 2024 but overall increasing. The past year has seen 1,827 MW of load approved to energize.

# Loads Approved to Energize – By Zone & Project Type

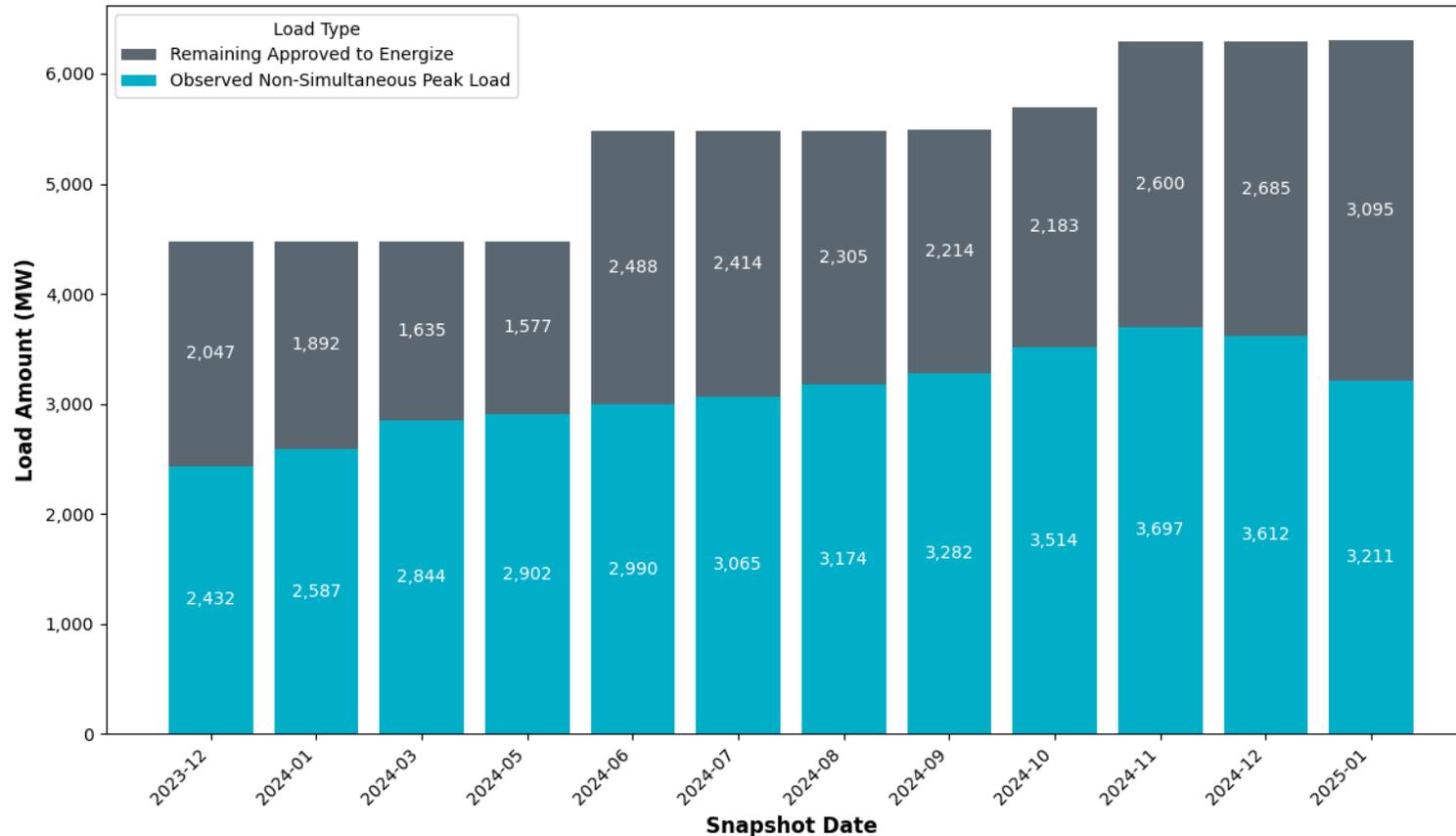
- Of the total 6,306 MW Approved to Energize,
  - 3,055 MW resides in LZ\_WEST and 3,251 MW resides in the other load zones.
  - 5,231 MW consists of standalone projects and 1,075 MW consist of co-located projects.



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

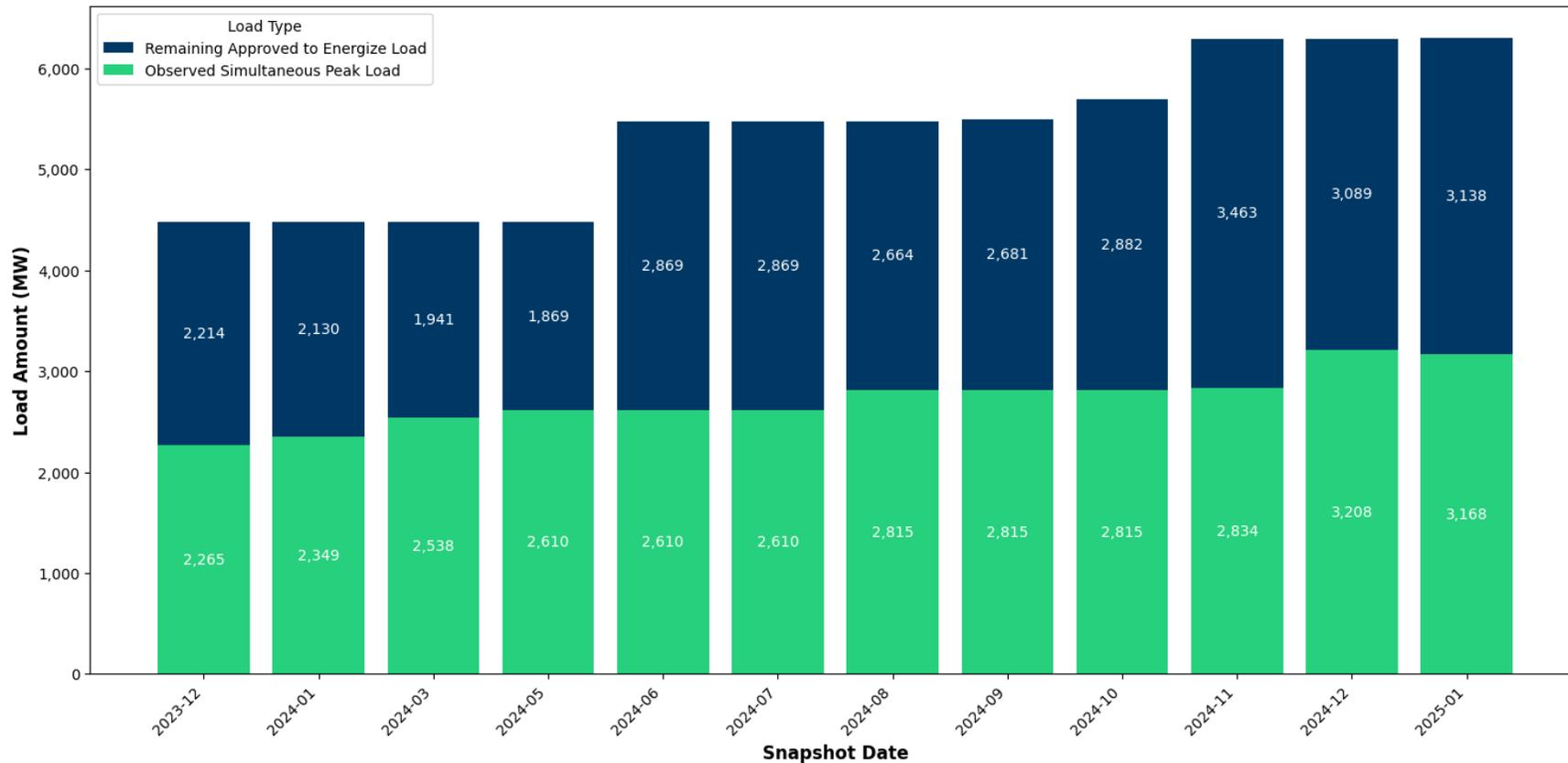
# Loads Approved to Energize – Observations

- Of the 6,306 MW that have received Approval to Energize, ERCOT has observed a **non-simultaneous** peak consumption of 3,211 MW in January 2025 with an all time peak of 3,697 MW that occurred in November 2024.
  - 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



# Loads Approved to Energize – Observations

- ERCOT has observed a **simultaneous** peak consumption of 3,168 MW in January 2025 with an all time peak of 3,208 MW that occurred December 2024.
  - 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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