

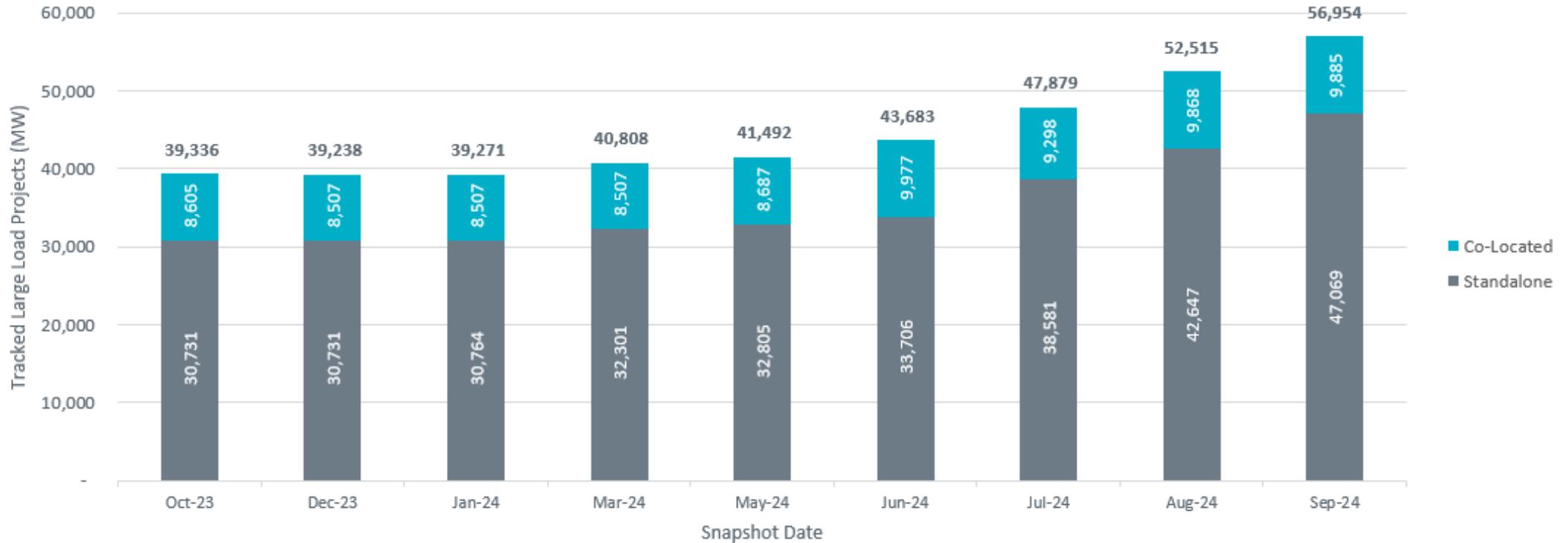


Large Load Interconnection Status Update

Large Load Integration Team

Sep 6, 2024

Large Load Queue – Past 12 Months

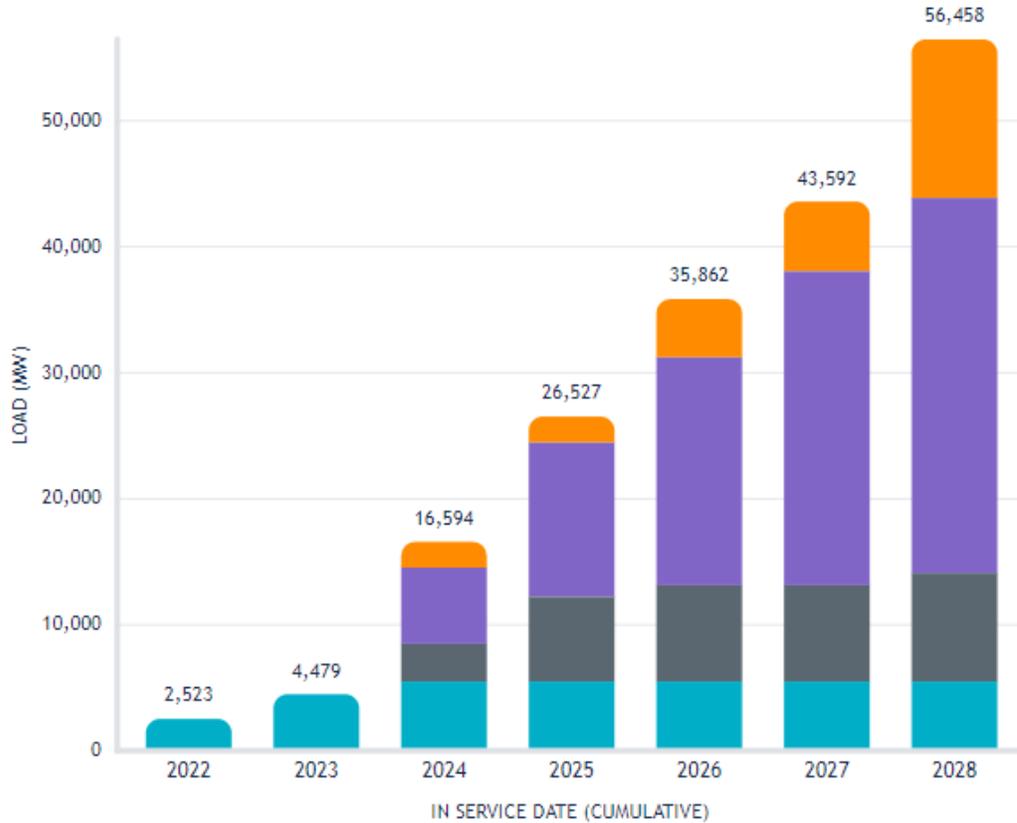


Changes since August Queue Update

- Combination of new standalone and co-located projects, as well as several project cancelations, increased total queue capacity by 4,439 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	-	-	2,040	2,040	4,640	5,540	12,582
Under ERCOT Review	-	-	6,077	12,276	18,087	24,917	29,782
Planning Studies Approved	-	-	2,981	6,715	7,639	7,639	8,598
Approved to Energize	2,523	4,479	5,496	5,496	5,496	5,496	5,496
Total (MW)	2,523	4,479	16,594	26,527	35,862	43,592	56,458

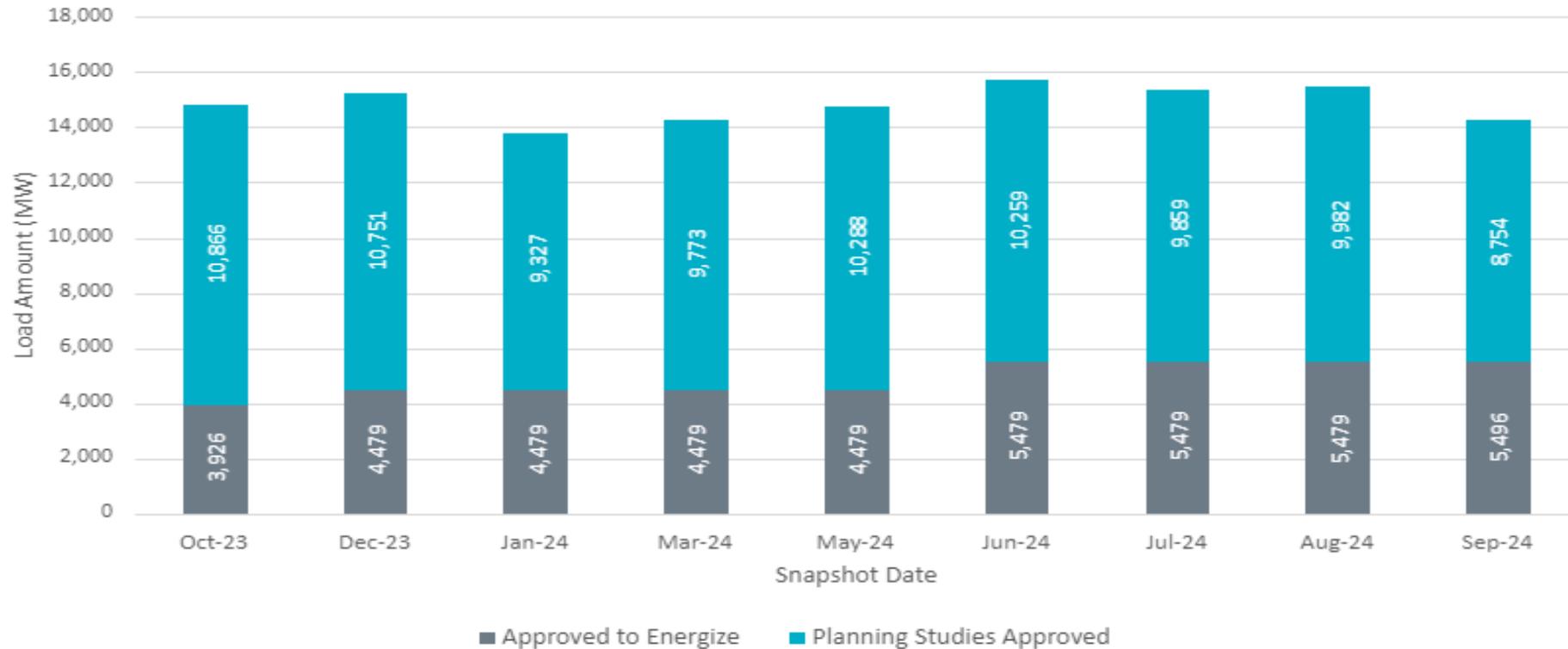
NOTE: In July 2024 ERCOT expanded the queue to include projects with projected in-service dates of 2028. Previously, projects without an in-service date were assigned a default ISD of 12/31/2027. Those projects were reassigned a default ISD of 12/31/2028.

- **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

Approved Large Load - Growth in the Past Year

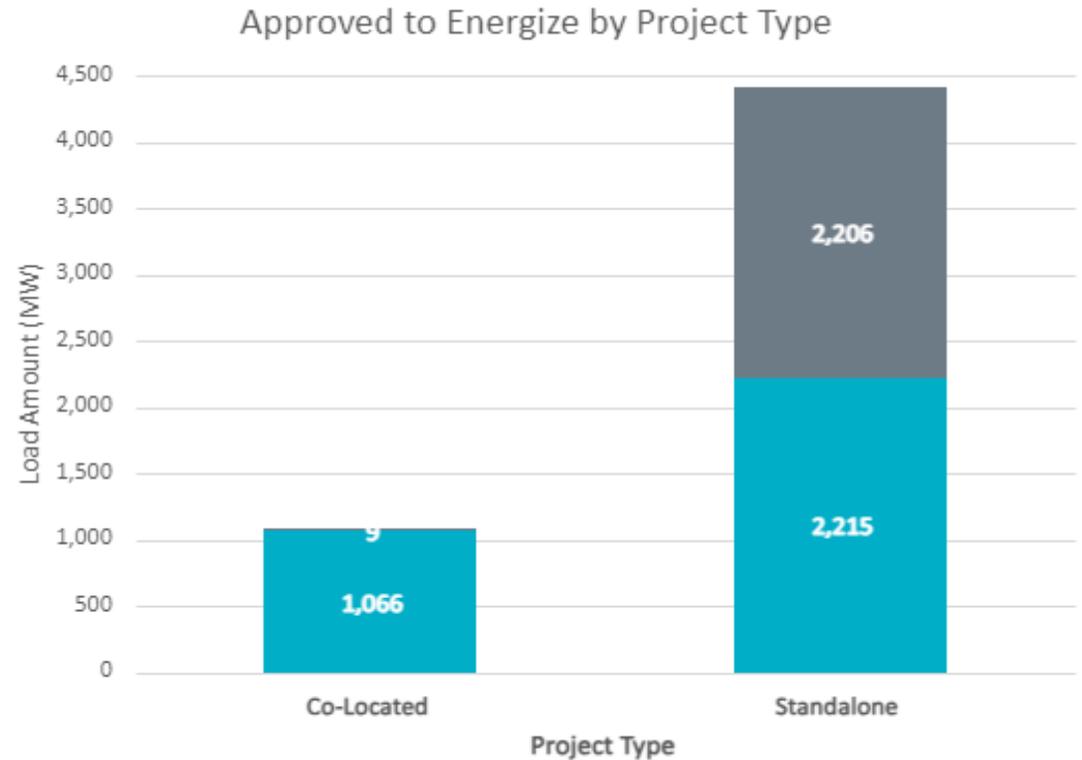
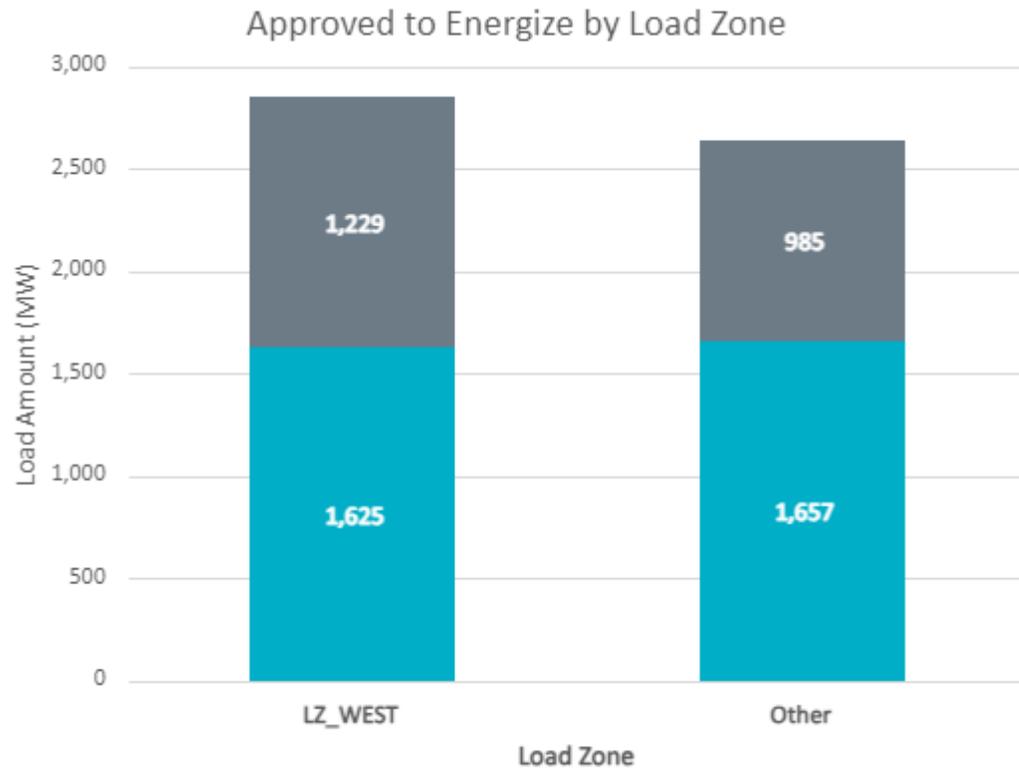


ERCOT Approvals Since Oct 2023 (Observations)

- Total load with planning studies approved slightly decreased in Sep 2024 due to project cancelations while previously seeing an upward trend at the beginning of this year. The past year has seen of 1,570 MW of load approved to energize.

Loads Approved to Energize – By Zone & Project Type

- Of the total 5,496 MW Approved to Energize,
 - 2,854 MW resides in LZ_WEST and 2,642 MW resides in the other load zones.
 - 4,421 MW consists of standalone projects and 1,075 MW consist of co-located projects.



■ Observed Non-Simultaneous Peak ■ Remaining Approved to Energize Load

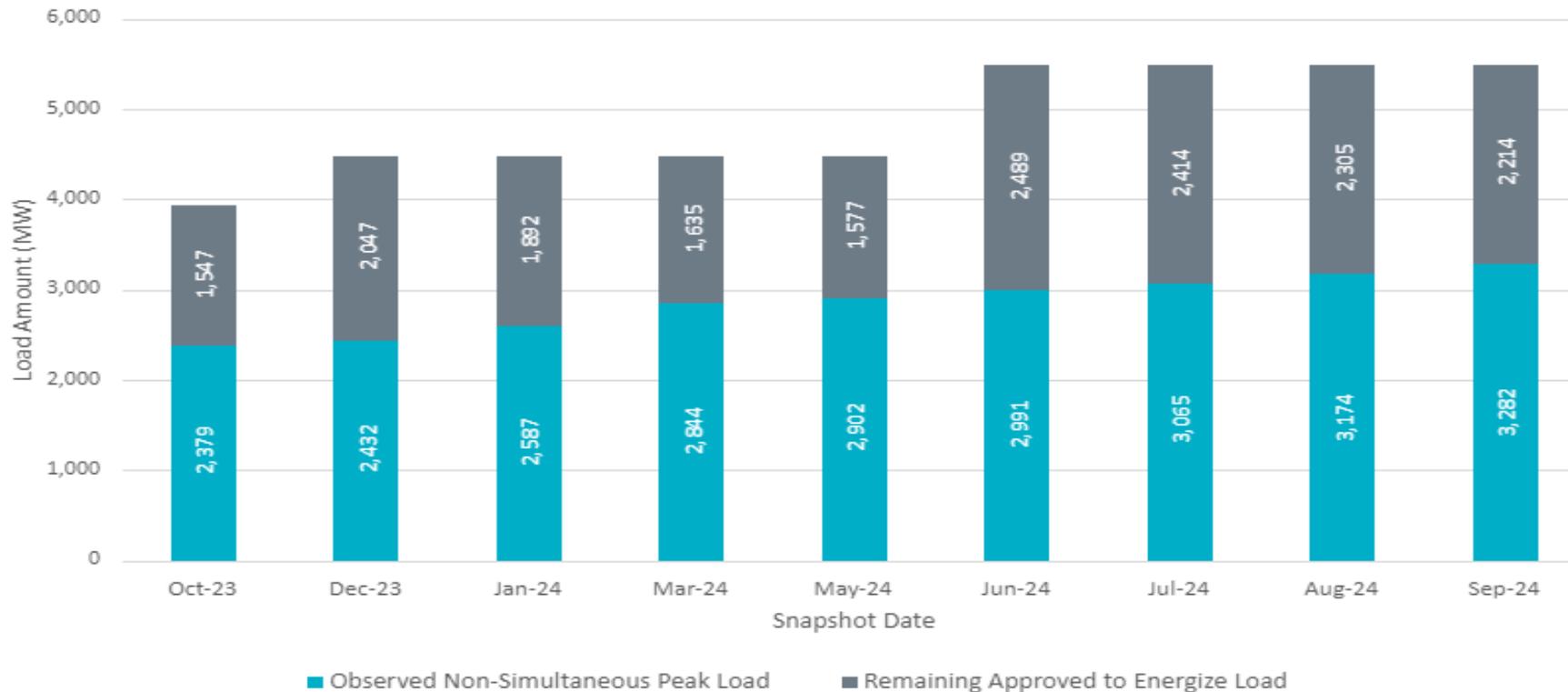
■ Observed Non-Simultaneous Peak ■ Remaining Approved to Energize Load

* Includes LZ_NORTH, LZ_SOUTH, and LZ_HOUSTON



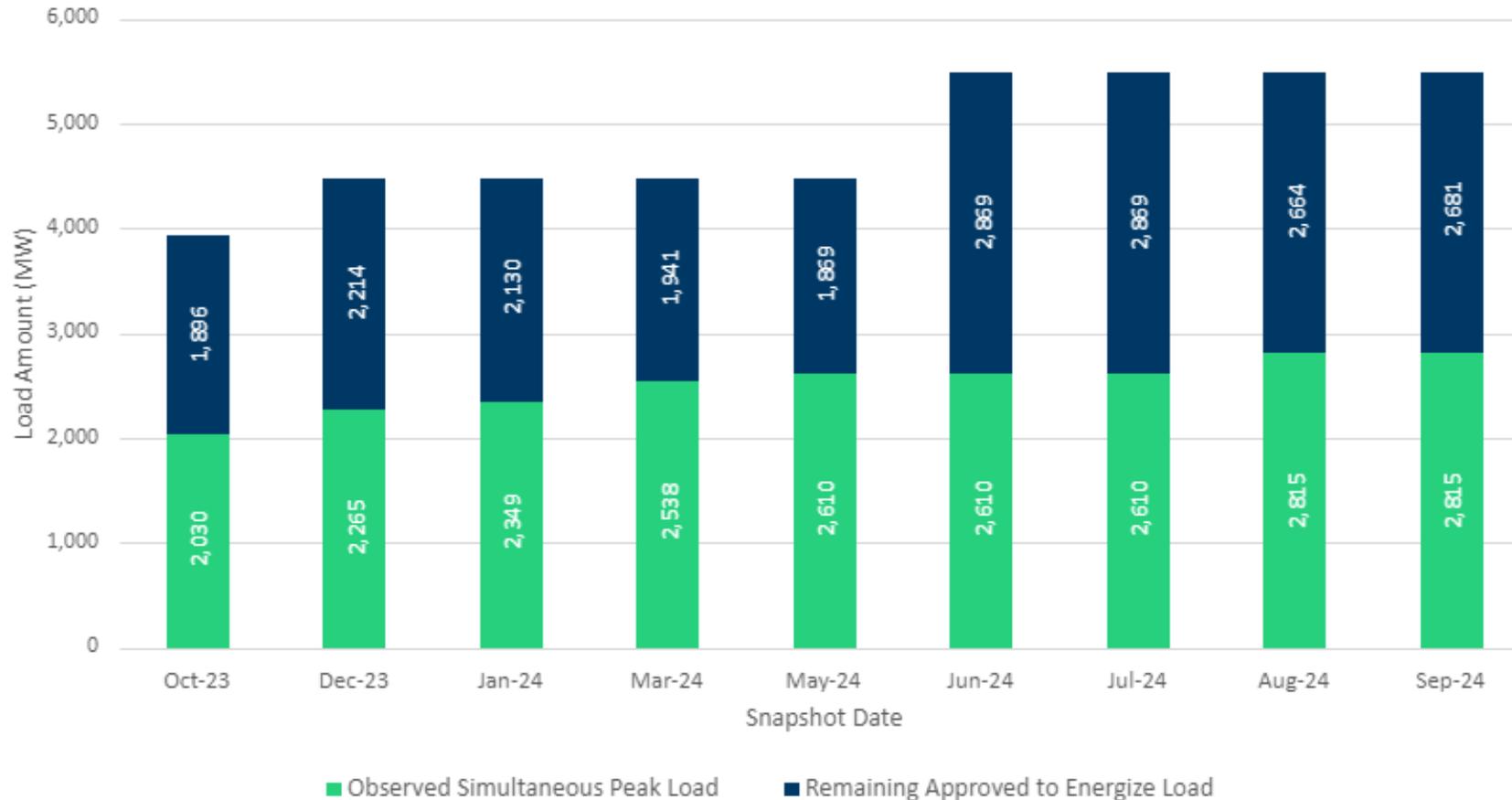
Loads Approved to Energize – Observations

- Of the 5,496 MW that have received Approval to Energize, ERCOT has observed a **non-simultaneous** peak consumption of 3,282 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



Loads Approved to Energize – Observations

- ERCOT has observed a **simultaneous** peak consumption of 2,815 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?

email: LargeLoadInterconnection@ercot.com