2024 RTP – Load Review Update

ERCOT
Regional Transmission Planning

March 2024

Recap: Load Forecast: 2024 RTP Load Level (MW, less self-serve, losses and LFLs, preliminary)

Year	Coast	East	Far West*	North	North Central	South Central	Southern	West*	Total
2025	22,685	3,142	7,019	2,339	28,728	14,978	7,607	2,415	88,912
2026	22,943	3,168	7,445	2,359	28,892	15,237	7,676	2,435	90,155
2027	23,204	3,193	7,868	2,380	29,063	15,504	7,746	2,456	91,415
2028	23,468	3,219	8,086	2,402	29,233	15,666	7,816	2,477	92,368
2029	23,733	3,247	8,306	2,425	29,400	15,822	7,886	2,497	93,316
2030	23,993	3,274	8,519	2,449	29,563	15,970	7,954	2,576	94,299

	Bounded (based on 7.5% threshold)
	ERCOT 90th percentile
	SSWG Forecast

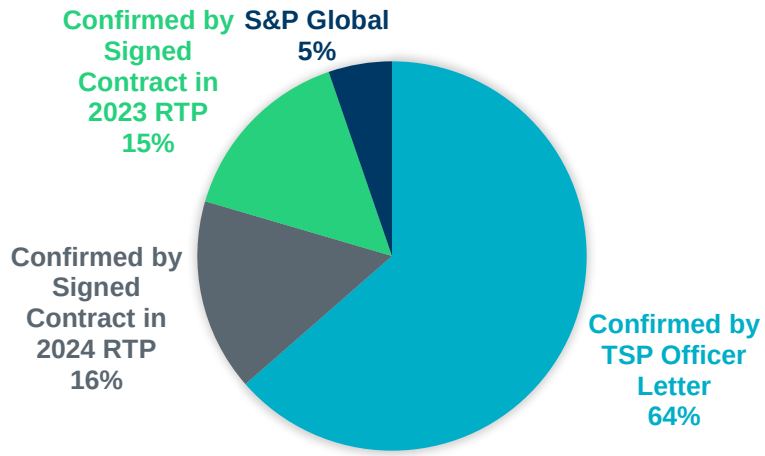
*The load level reflects the bounded higher-of methodology outlined in Planning Guide Section 3.1.7 (1) (a)-(d). For West and Far West weather zones, the 2024 RTP will use **S&P Global *Electrifying the Permian Basin*** 2022 load forecast, which is not reflected in this table. A summary of this report was presented at the March 2023 RPG (https://www.ercot.com/files/docs/2023/03/17/Presentation%20to%20ERCOT%20planning.pdf).

Recap: 2024 Load Review – Quantifiable Evidence

- TSPs may choose to accept the load forecast; or,
- TSPs may choose to provide quantifiable evidence for cases where the proposed levels are not consistent with their expectations.
- Evidence can include:
  - Industry-reputable third-party studies
  - Signed contract
  - Letter from a TSP officer attesting to such load growth

2024 RTP Load Review Results - 2030

- Approximately 64 GW of additional load will be added on top of the 2024 RTP bounded load level for study year 2030 with the breakdown as follows



- Based on the load review, the 2030 study year load will be around 158 GW without self-serve load and 163 GW with self-serve load

Challenges with Generation Assumptions

- Planned Generation Resources will only be added to planning cases when they meet the Planning Guide Section 6.9(1) requirements
- The total installed capacity of Generation Resources in the 2030 summer peak case is around 168 GW excluding Private Use Network (PUN)
- The total available generation MW in the 2030 summer peak case based on the 2024 RTP generation assumption is around 118 GW excluding PUN
- The significant difference in available generation and forecasted load could result in scaling down the load outside of the study regions to as low as 50% for some study regions

Next Steps

- ERCOT will review potential solutions for the generation challenges, which may include adding Generation Resources not meeting Planning Guide 6.9(1) requirements
- ERCOT will bring back more details for discussion in the April RPG meeting
- Please send your comments/questions to

  Ping.Yan@ercot.com

  Jameson.Haesler@ercot.com