



2024 RTP – Load Review Update

ERCOT
Regional Transmission Planning

February 2024

Load Forecast

SSWG Load (MW) – Based on 23 SSWG cases posted on 10/09/2023 – less self-serve and large flexible loads (load ID prefix = 'X')

Year	Coast	East	Far West	North	North Central	South Central	Southern	West	NCP Total
2025	26,295	3,537	12,681	2,396	32,571	16,671	7,768	2,647	104,567
2026	26,593	3,601	12,998	2,468	33,565	17,557	8,305	2,678	107,765
2027	26,840	3,641	13,322	2,516	34,605	18,354	8,571	2,716	110,566
2028	27,065	3,696	13,586	2,582	35,509	18,881	8,682	2,756	112,756
2029	27,234	3,749	13,838	2,832	36,311	19,362	8,771	2,795	114,892
2030	27,411	3,798	14,168	2,865	36,963	19,695	8,888	2,833	116,621

ERCOT 90th percentile gross load forecast (MW) – less losses and large flexible loads

Year	Coast	East	Far West	North	North Central	South Central	Southern	West	NCP Total
2025	21,103	2,922	6,529	2,176	26,724	13,933	7,076	2,246	82,709
2026	21,342	2,947	6,925	2,195	26,877	14,174	7,140	2,265	83,865
2027	21,586	2,970	7,319	2,214	27,036	14,423	7,205	2,284	85,037
2028	21,831	2,995	7,522	2,235	27,194	14,573	7,270	2,304	85,924
2029	22,077	3,020	7,726	2,256	27,349	14,718	7,335	2,323	86,805
2030	22,319	3,046	7,925	2,278	27,500	14,856	7,399	2,341	87,665

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

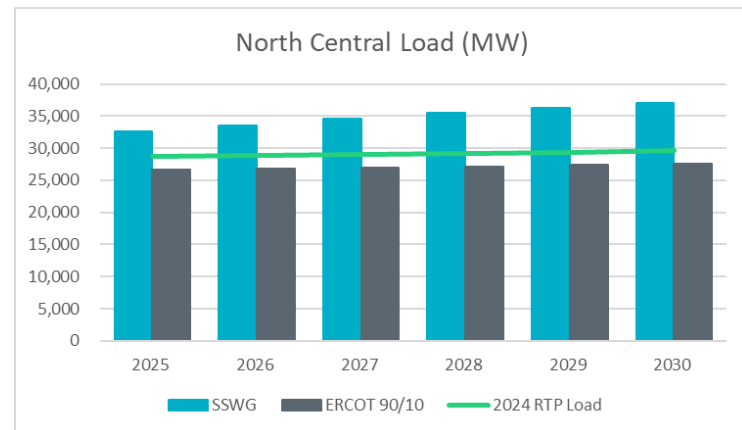
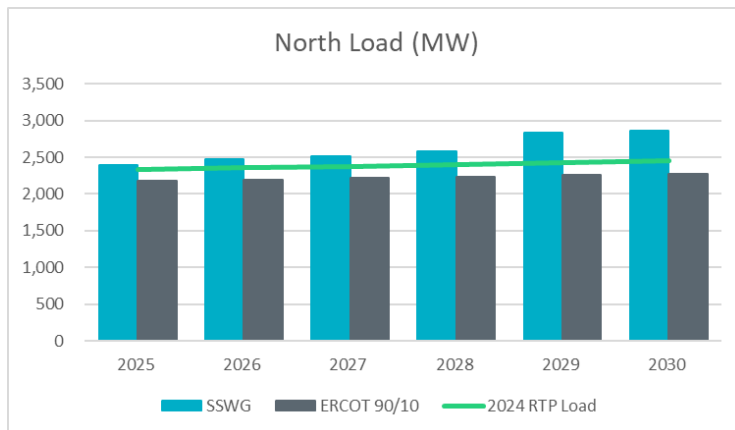
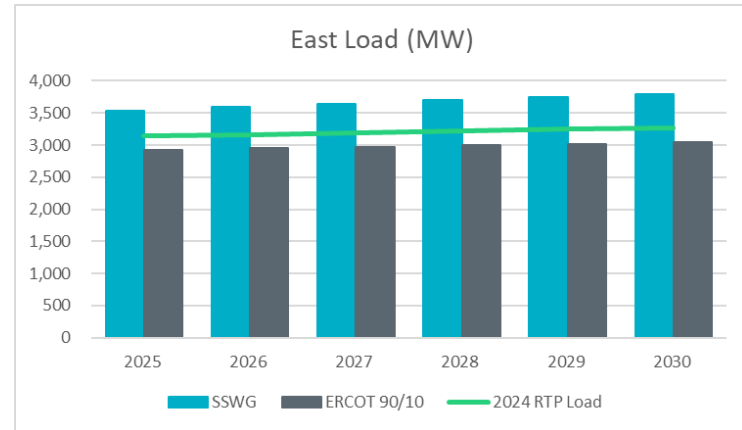
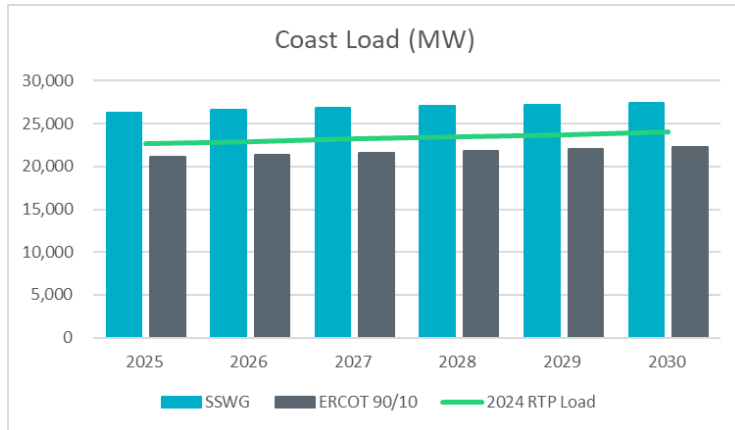
	Bounded (based on 7.5% threshold)
	ERCOT 90th percentile
	SSWG Forecast

*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>).

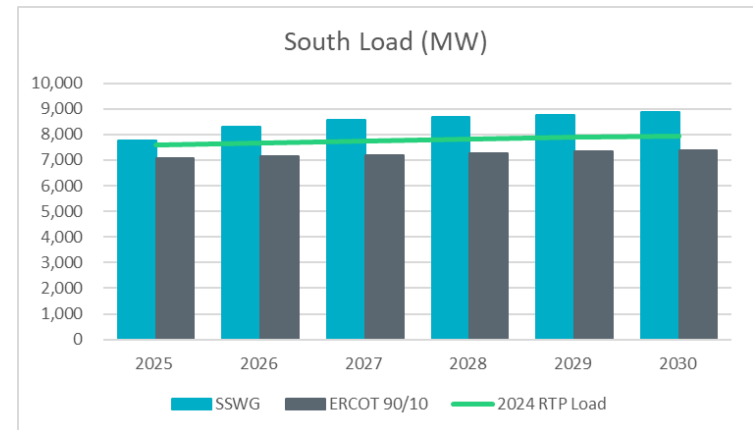
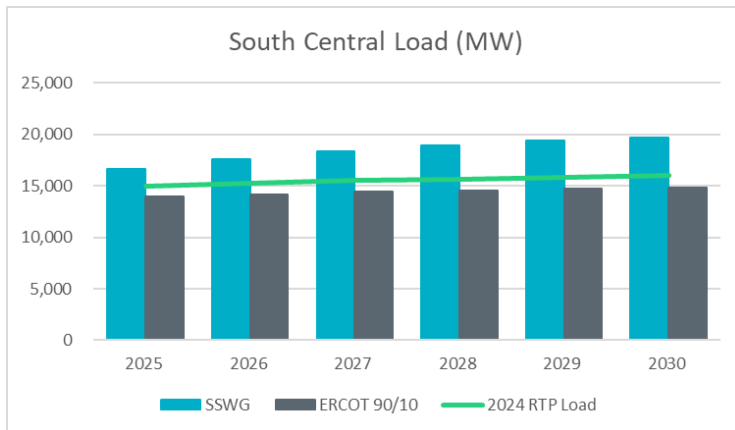
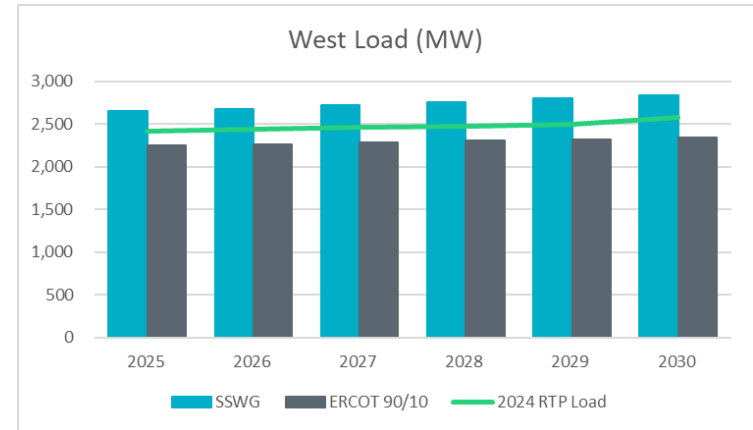
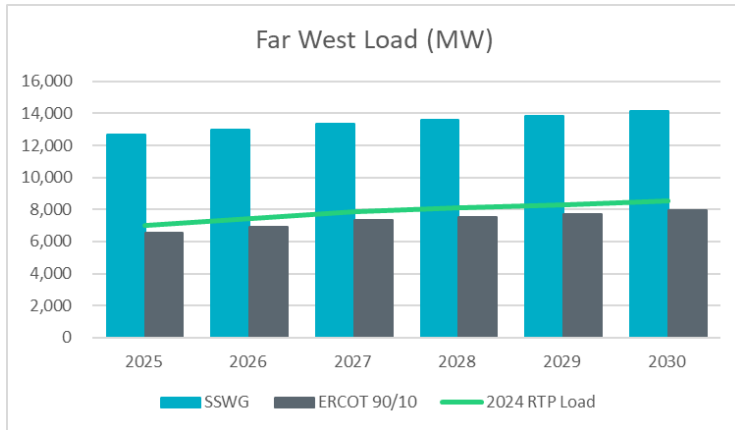
West/Far West Load

- 2024 RTP will use **S&P Global *Electrifying the Permian Basin*** 2022 load forecast.
- 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>).
- Oncor, working with other area TSPs, has provided ERCOT with bus-level load representations of S&P Global's original geography-based load level data.

SSWG Load vs ERCOT 90/10 (Less self-serve, losses, and LFLs)



SSWG Load vs ERCOT 90/10 (Less self-serve, losses, and LFLs)



2024 Load Review – Timeline

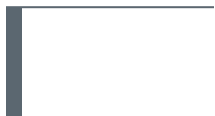
- ERCOT to complete load review and finalize RTP load levels by February 29.
- Large Load review is underway and closes February 22.
- TSP load share % for each weather zone to be used in load bounding will be posted to MIS Secure.
- TSPs to provide feedback on proposed load level and load share % by February 22.

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

Contacts

- Please send all load information, along with questions and/or comments to:
 - Jameson Haesler (Jameson.Haesler@ercot.com)
 - Sam Morris (Sam.Morris@ercot.com)
 - Ping Yan (Ping.Yan@ercot.com)



Appendix

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

Year	Coast	East	Far West *	North	North Central	South Central	Southern	West *	Total
2025	26,743	3,175	7,019	2,339	28,728	14,978	8,051	2,527	93,561
2026	27,001	3,201	7,445	2,359	28,892	15,237	8,068	2,547	94,751
2027	27,264	3,227	7,868	2,380	29,063	15,504	8,073	2,568	95,947
2028	27,528	3,253	8,086	2,402	29,233	15,666	8,260	2,589	97,018
2029	27,793	3,280	8,306	2,425	29,400	15,822	8,329	2,609	97,966
2030	28,054	3,308	8,519	2,449	29,563	15,970	8,398	2,688	98,949

	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>).