



2021 RTP Load Review Update

Ping Yan
Supervisor, Transmission Planning Assessment

May 11, 2021

2021 Load Review Status

- 2021 RTP preliminary load level was presented at the January 2021 RPG meeting
 - [2021 RTP preliminary load level](#)
- TSP comments were reviewed and incorporated
- Load review for 2021 RTP is concluded and the load level is now finalized

Far West/West Load Update

- Load forecast including the locational information from the IHS Markit Far West Texas study will be adopted
 - [IHS Markit Far West Texas Study Update](#)
- IHS Markit study includes
 - All but four counties in the Far West weather zone
 - Five counties in the West weather zone

Load Forecast: 2021 RTP Load Level (less self-serve load and losses)

Year	Coast	East	Far West	North*	North Central	South Central	Southern	West	Total
2022	23,611	3,003	6,206	2,177	28,494	14,359	6,784	2,393	87,027
2023	23,914	3,048	6,908	2,182	28,936	14,686	7,110	2,445	89,228
2024	24,140	3,094	7,515	2,185	29,185	14,764	7,401	2,484	90,768
2025	24,335	3,138	7,968	2,190	29,453	14,838	7,684	2,524	92,130
2026	24,537	3,181	8,295	2,195	29,680	14,910	7,789	2,552	93,138
2027	24,733	3,222	8,722	2,201	29,906	14,979	7,863	2,600	94,225

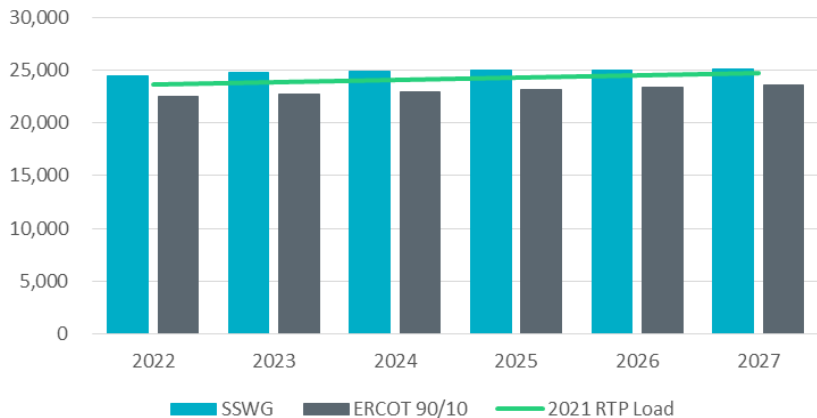
	Bounded (based on 5% threshold)
	90th percentile
	SSWG Forecast
	Adjusted based on ERCOT review

*Lubbock load and the rest of North weather zone load were processed separately and then recombined.

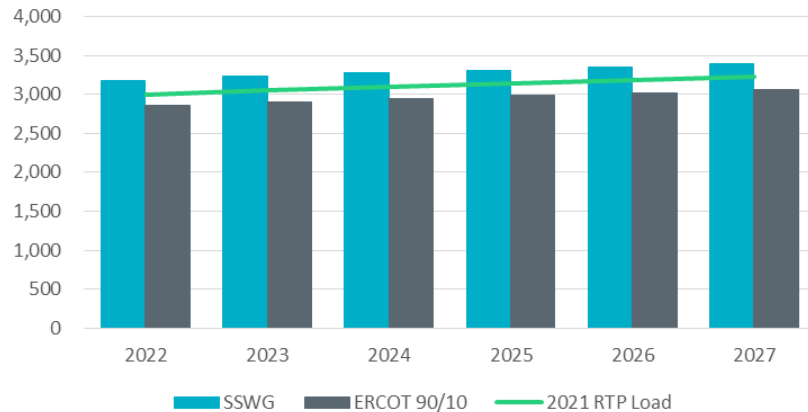


SSWG v/s ERCOT 90/10 Load Forecast (less self-serve load and losses)

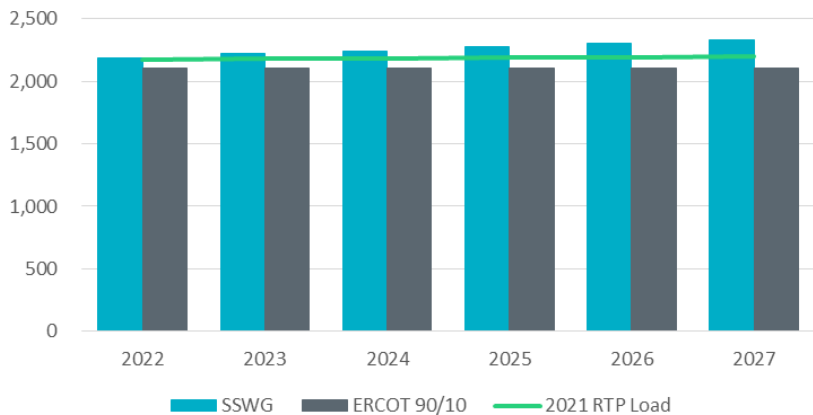
Coast Load (MW)



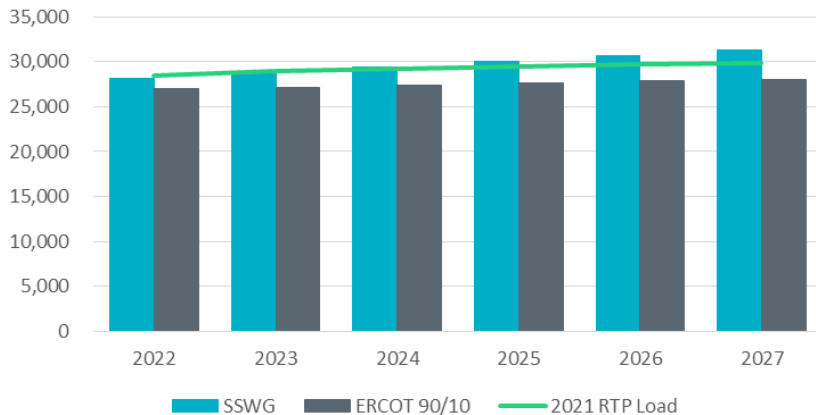
East Load (MW)



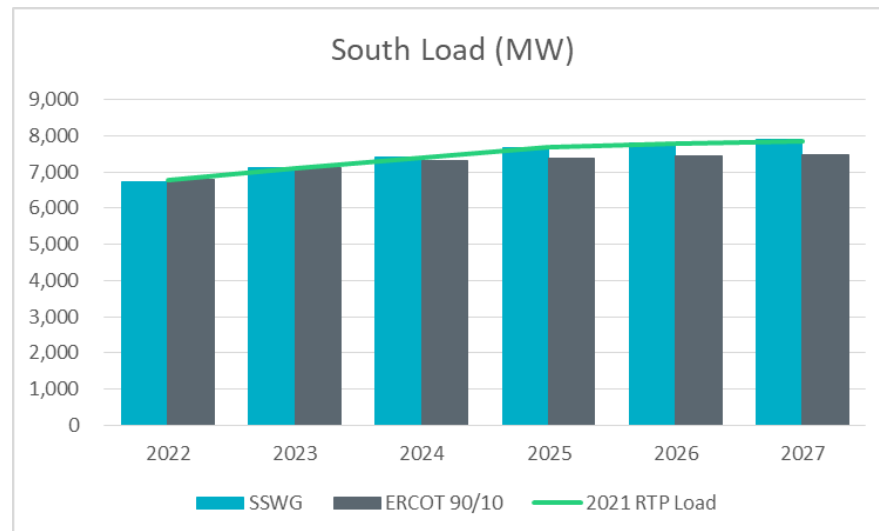
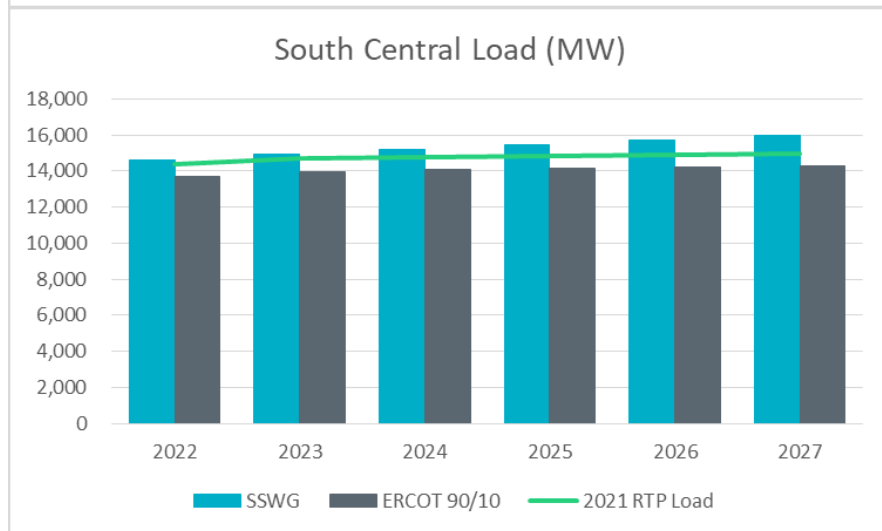
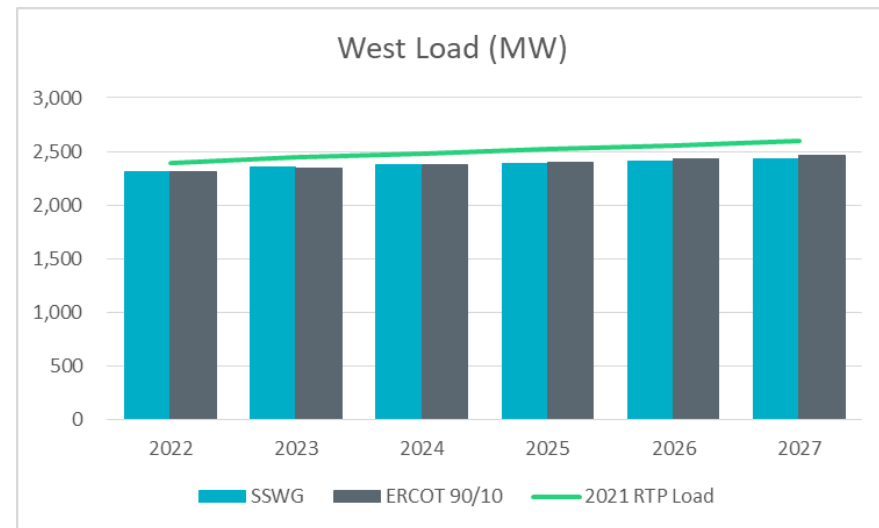
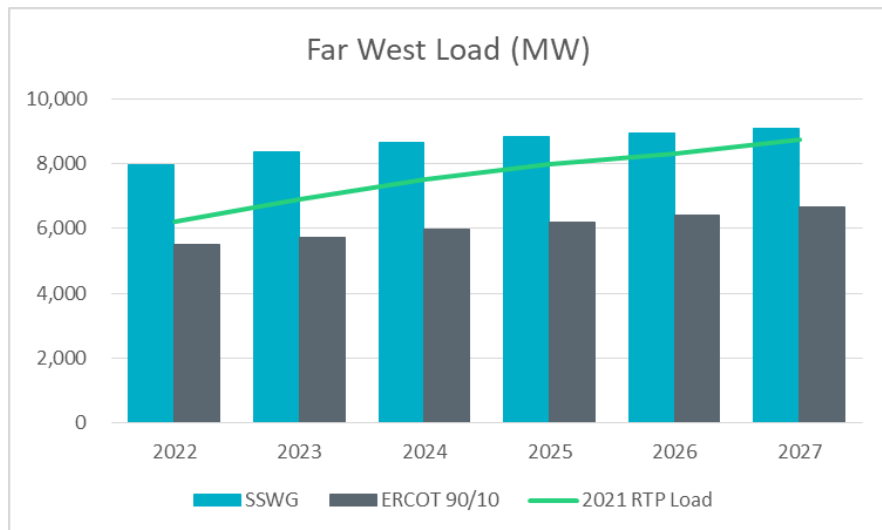
North Load (MW)



North Central Load (MW)



SSWG v/s ERCOT 90/10 Load Forecast (less self-serve load and losses)





Appendix

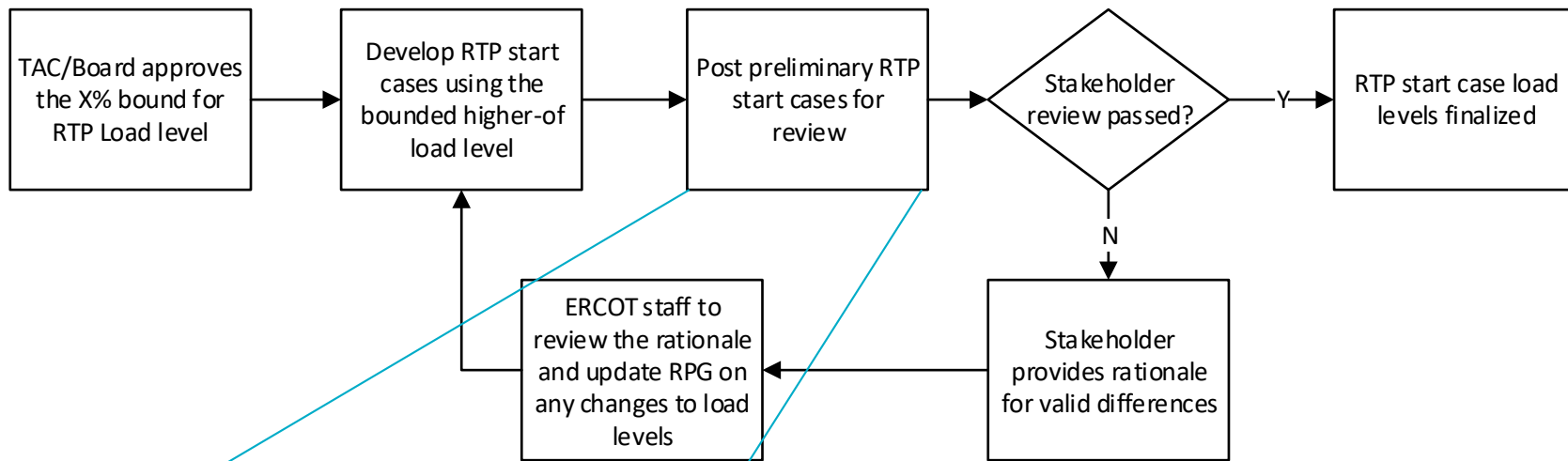
2021 RTP Load Level with Self-serve Load

Year	Coast	East	Far West	North*	North Central	South Central	Southern	West	Total
2022	27,545	3,046	6,206	2,177	28,494	14,359	7,273	2,496	91,596
2023	27,849	3,091	6,908	2,182	28,936	14,686	7,599	2,549	93,800
2024	28,078	3,137	7,515	2,185	29,185	14,764	7,891	2,588	95,342
2025	28,275	3,181	7,968	2,190	29,453	14,838	8,175	2,628	96,708
2026	28,479	3,224	8,295	2,195	29,680	14,910	8,279	2,655	97,718
2027	28,679	3,265	8,722	2,201	29,906	14,979	8,353	2,703	98,808

	Bounded (based on 5% threshold)
	90th percentile
	SSWG Forecast
	Adjusted based on ERCOT review

*Lubbock load and the rest of North weather zone load were processed separately and then recombined.

Load Review Process



Preliminary RTP start cases will be shared to allow TDSPs to review the impact of load distribution on pockets within the weather zones.

Rationale:

- Historic load growth
- Committed load additions
- Forecast methodology
- Past forecast performance
- Special circumstances
- Other?

ERCOT Planning Guide Section 3.1.7, Steady State Transmission Planning Load Forecast, describes the ERCOT load review process.