



## **2021 RTP Load Review**

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# Load Forecast

SSWG Load– Based on 20 SSWG cases posted on 10/08/2020 less self-served load

Year	Coast	East	Far West	North	North Central	South Central	Southern	West	NCP Total
2022	24,473	3,164	7,824	2,187	27,657	14,445	6,768	2,316	88,833
2023	24,783	3,231	8,240	2,231	28,498	14,756	7,235	2,353	91,326
2024	24,903	3,274	8,501	2,250	29,078	15,003	7,602	2,372	92,983
2025	25,008	3,313	8,701	2,280	29,736	15,268	7,926	2,392	94,623
2026	25,053	3,354	8,818	2,305	30,305	15,522	8,035	2,412	95,802
2027	25,152	3,393	8,964	2,331	31,013	15,757	8,140	2,428	97,178

ERCOT 90<sup>th</sup> percentile Load Forecast– less losses

Year	Coast	East	Far West	North*	North Central	South Central	Southern	West	NCP Total
2022	22,487	2,853	5,505	2,102	26,973	13,675	6,784	2,316	82,696
2023	22,775	2,897	5,737	2,103	27,202	13,986	7,107	2,343	84,150
2024	22,991	2,940	5,962	2,105	27,431	14,061	7,320	2,372	85,181
2025	23,176	2,982	6,191	2,106	27,654	14,132	7,376	2,402	86,019
2026	23,368	3,023	6,418	2,108	27,871	14,200	7,433	2,433	86,853
2027	23,556	3,062	6,648	2,109	28,079	14,266	7,488	2,467	87,675

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



# Load Forecast: 2021 RTP Load Level (less self-served and losses, preliminary)

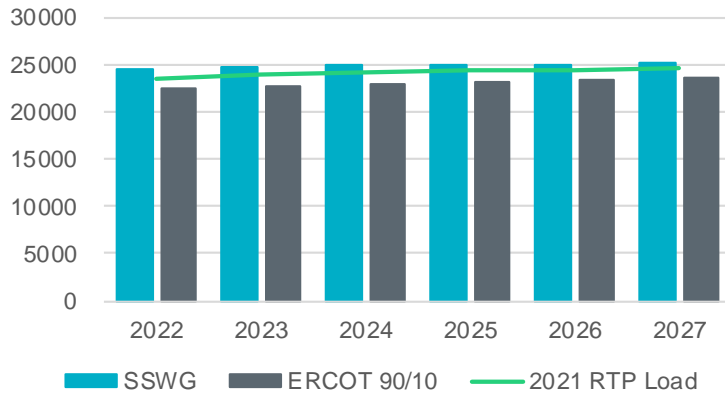
Year	Coast	East	Far West	North*	North Central	South Central	Southern	West	Total
2022	23,611	2,996	5,918	2,177	27,657	14,359	6,784	2,316	85,819
2023	23,914	3,041	6,167	2,182	28,498	14,686	7,235	2,353	88,077
2024	24,140	3,087	6,409	2,185	28,803	14,764	7,602	2,372	89,362
2025	24,335	3,131	6,656	2,190	29,037	14,838	7,744	2,402	90,333
2026	24,537	3,174	6,899	2,195	29,264	14,910	7,805	2,433	91,217
2027	24,733	3,215	7,146	2,201	29,483	14,979	7,863	2,467	92,088

	Bounded (based on 5% threshold, Far West based on 7.5% threshold)
	90th percentile
	SSWG Forecast

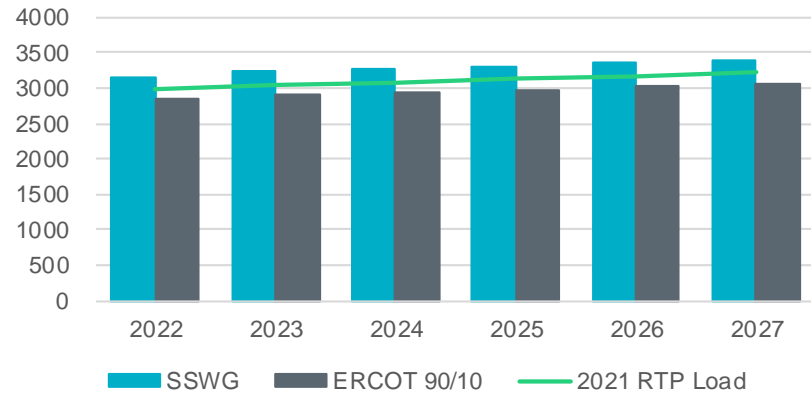
\*Lubbock load and the rest of North weather zone load were processed separately and then recombined.

# SSWG Load v/s ERCOT 90/10 (less self-served and losses)

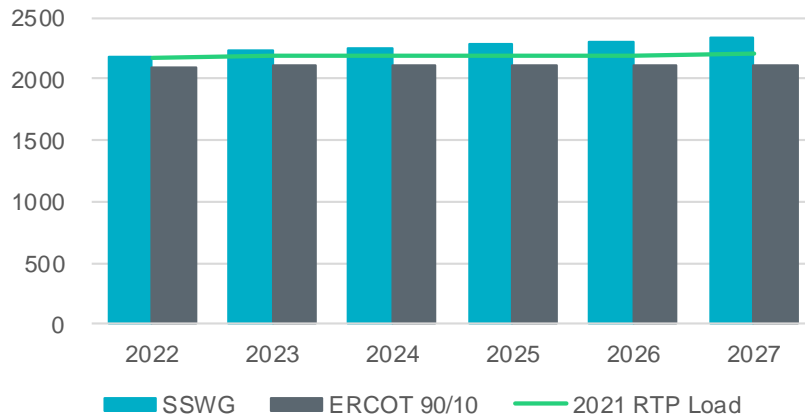
## Coast Load (MW)



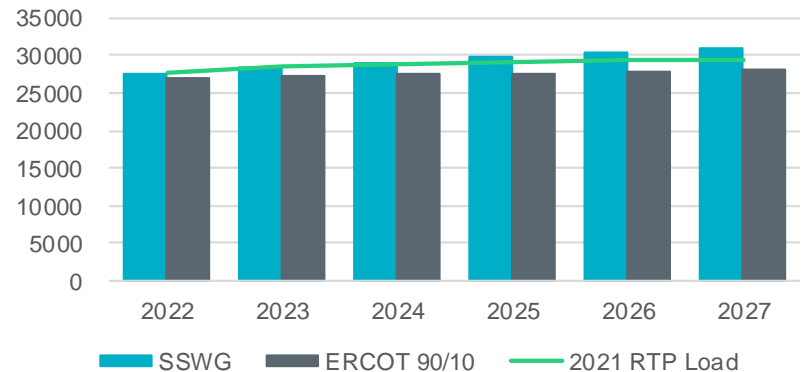
## East Load (MW)



## North Load (MW)

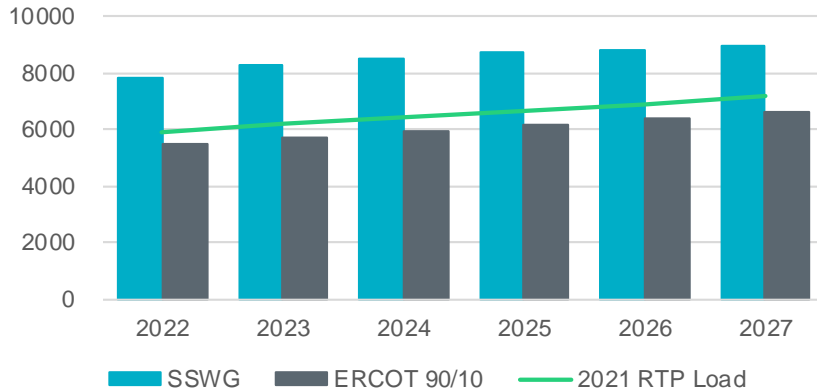


## North Central Load (MW)

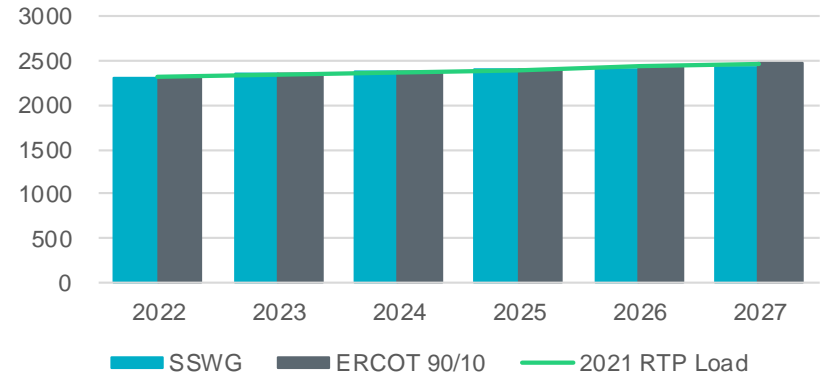


# SSWG Load v/s ERCOT 90/10 (less self-served and losses)

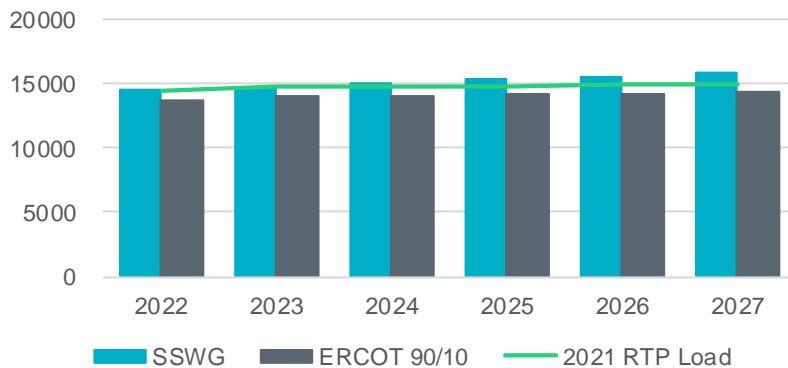
Far West Load (MW)



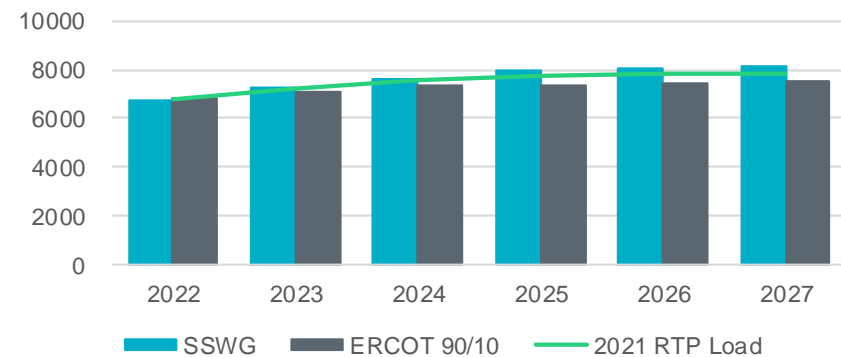
West Load (MW)



South Central Load (MW)



South Load (MW)



## 2021 Load Review

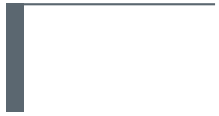
- Preliminary start cases with the proposed load levels will be posted on MIS Secure Area (no case conditioning steps will be applied). All loads not identified as self-served load will be scaled to achieve the proposed weather zone load levels.

[Grid>Regional Planning>2021 Regional Transmission Plan Postings](#)

- TSPs are requested to review these and provide feedback on the initial draft.
- TSPs may choose to accept the load forecast, or
- TSPs may choose to provide additional justification for cases where the proposed levels are not consistent with their expectations.

## Next Steps

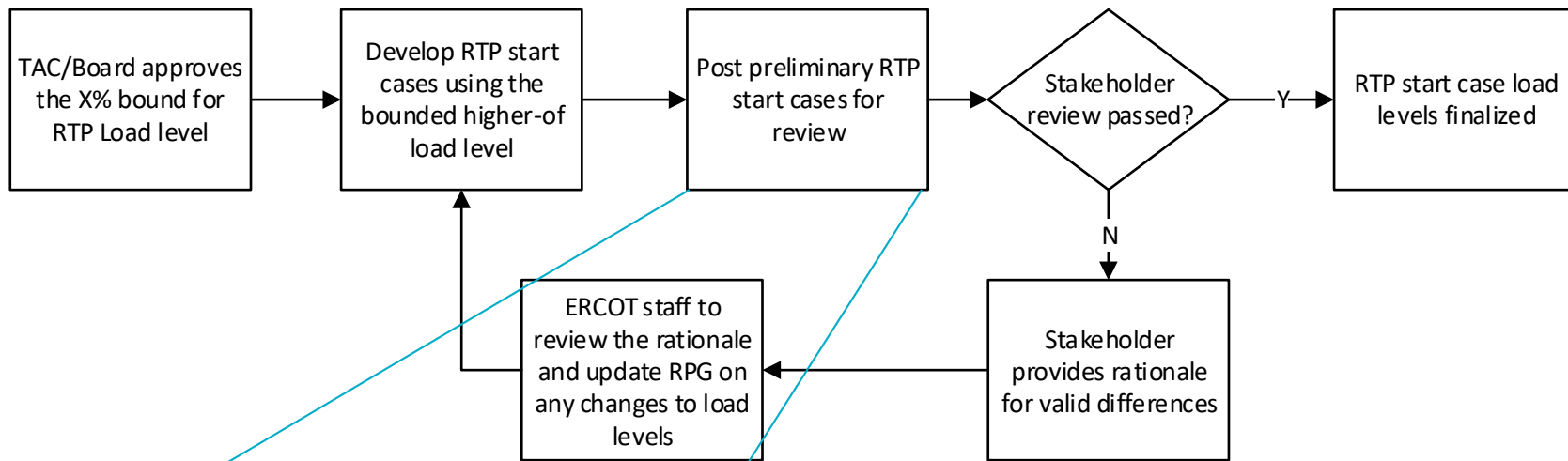
- TPs and TOs to provide feedback on proposed load level (by January 29 2021).
- Feedback provided to
  - Calvin Opheim ([Calvin.Opheim@ercot.com](mailto:Calvin.Opheim@ercot.com))
  - Ping Yan ([Ping.Yan@ercot.com](mailto:Ping.Yan@ercot.com))
  - John Bernecker ([John.Bernecker@ercot.com](mailto:John.Bernecker@ercot.com))
- ERCOT to complete Load Review and finalize RTP load levels (by February 12, 2021).
- TSPs to submit IDEVs to ERCOT to reflect the load review results (by February 26, 2021).



# Appendix



# 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?

# 2021 RTP Load Level with self-served (preliminary)

Year	Coast	East	Far West	North*	North Central	South Central	Southern	West	Total
2022	27,545	3,039	5,918	2,177	27,657	14,359	7,273	2,420	90,388
2023	27,849	3,084	6,168	2,182	28,498	14,686	7,724	2,457	92,648
2024	28,078	3,130	6,409	2,185	28,803	14,764	8,092	2,476	93,937
2025	28,275	3,174	6,656	2,190	29,037	14,838	8,235	2,505	94,910
2026	28,479	3,217	6,899	2,195	29,264	14,910	8,295	2,536	95,797
2027	28,679	3,258	7,147	2,201	29,483	14,979	8,353	2,570	96,670

	Bounded (based on 5% threshold, Far West based on 7.5% threshold)
	90th percentile
	SSWG Forecast

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

