2023 RTP – Load Review

Ping Yan
Manager, Transmission Planning Assessment

January 2023

Load Forecast

SSWG Load (MW)– Based on 22 SSWG cases posted on 10/11/2022 less self-serve load

Year	Coast	East	Far West	North	North Central	South Central	Southern	West	NCP Total
2024	25,572	3,345	11,139	4,765	30,671	16,732	7,787	2,793	102,802
2025	25,429	3,364	11,564	4,795	31,515	17,208	7,916	2,846	104,638
2026	25,632	3,425	12,890	4,822	32,250	17,534	8,020	2,884	107,458
2027	25,758	3,474	13,123	4,859	32,991	17,854	8,126	2,924	109,110
2028	25,920	3,510	13,329	4,882	33,493	18,183	8,231	2,966	110,514
2029	26,103	3,559	13,530	4,911	34,038	18,516	8,347	3,021	112,023

ERCOT 90th percentile gross load forecast (MW) – less losses

Year	Coast	East	Far West	North	North Central	South Central	Southern	West	NCP Total
2024	22,355	3,318	6,561	2,816	28,226	15,181	7,203	2,654	88,315
2025	22,593	3,340	7,064	2,969	28,374	15,493	7,251	2,813	89,899
2026	22,822	3,359	7,564	3,122	28,519	15,797	7,298	2,972	91,452
2027	23,048	3,380	7,888	3,275	28,659	16,123	7,344	3,130	92,847
2028	23,273	3,406	8,230	3,282	28,773	16,296	7,390	3,132	93,783
2029	23,495	3,434	8,579	3,289	28,880	16,457	7,435	3,133	94,702

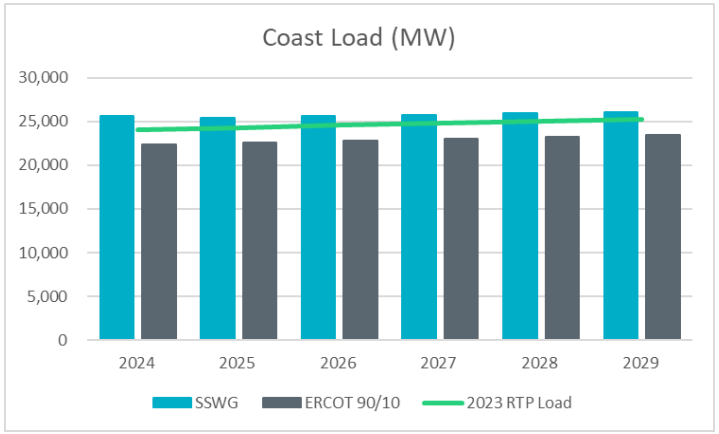
Load Forecast: 2023 RTP Load Level (MW, Less Self-serve Load and Losses, Preliminary)

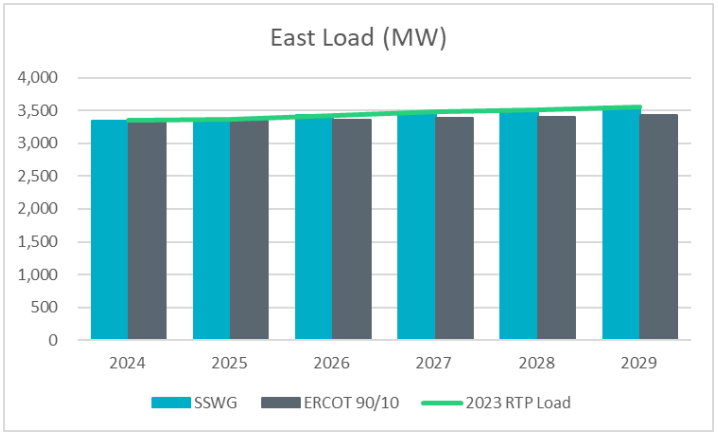
Year	Coast	East	Far West*	North	North Central	South Central	Southern	West*	Total
2024	24,031	3,345	7,054	3,027	30,343	16,320	7,743	2,793	94,655
2025	24,288	3,364	7,594	3,192	30,502	16,655	7,795	2,846	96,237
2026	24,534	3,425	8,131	3,356	30,658	16,982	7,845	2,972	97,903
2027	24,777	3,474	8,479	3,521	30,808	17,332	7,895	3,130	99,416
2028	25,019	3,510	8,848	3,528	30,931	17,519	7,944	3,132	100,430
2029	25,257	3,559	9,222	3,536	31,046	17,691	7,993	3,133	101,437

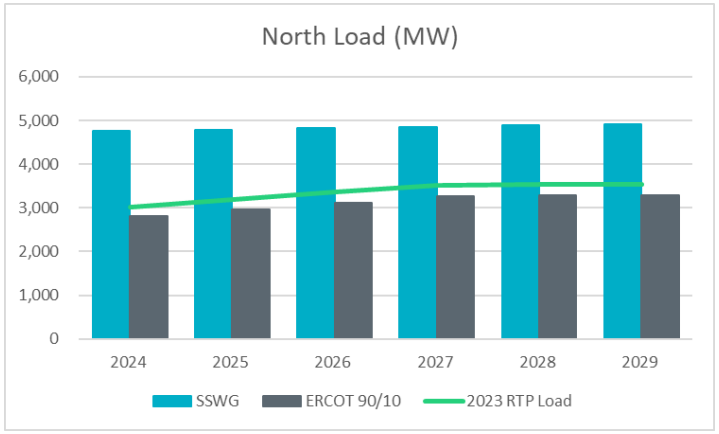
	Bounded (based on 7.5% threshold)
	ERCOT 90th percentile
	SSWG Forecast

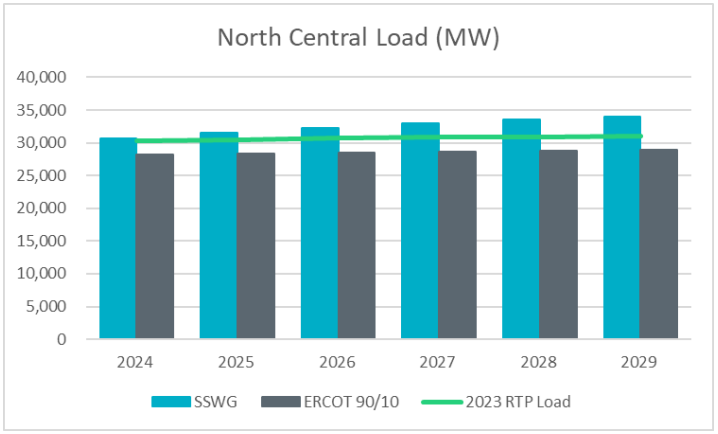
*The load level reflects the bounded higher-of methodology outlined in Planning Guide Section 3.1.7 (1) (a)-(d). Appropriate load forecast other than this load level may be adopted for the West and Far West weather zones, which is not reflected in this table.

SSWG Load v/s ERCOT 90/10 (Less Self-serve Load and Losses)

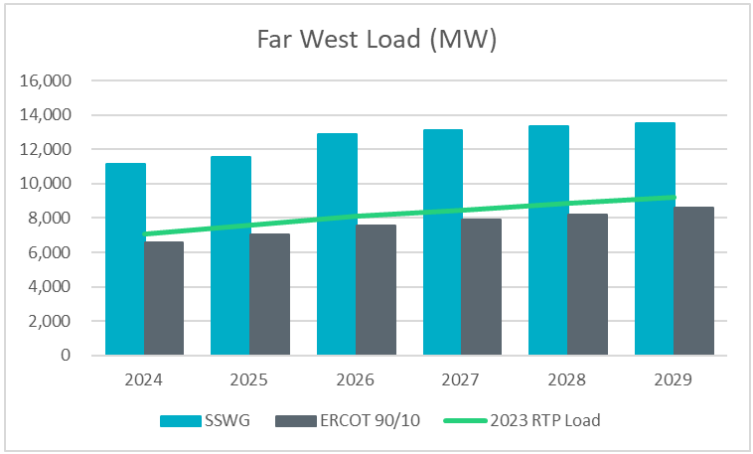


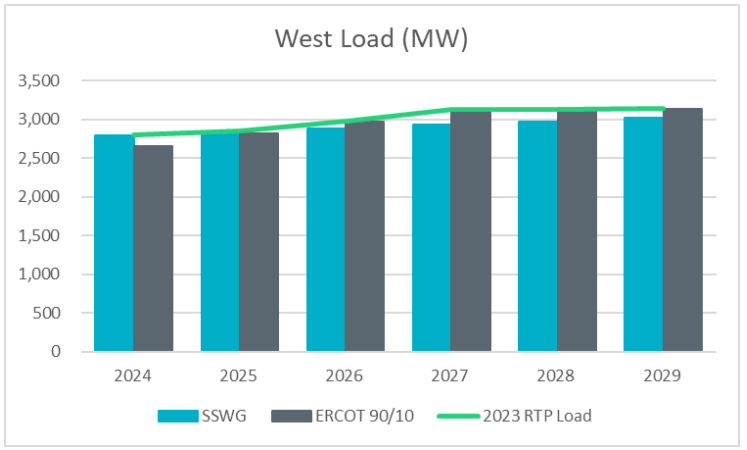


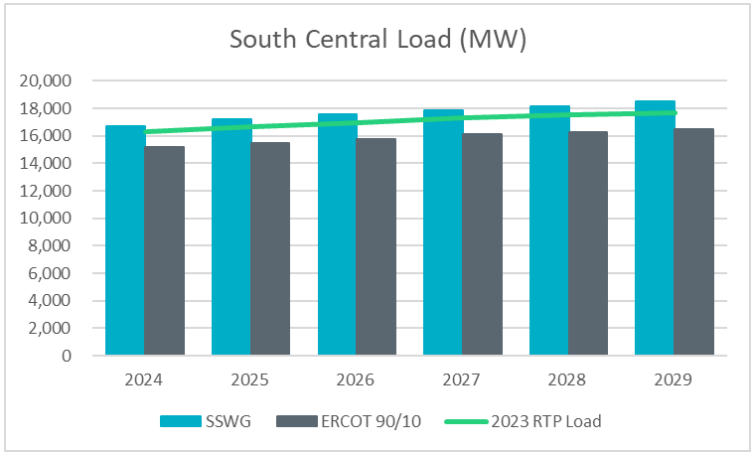


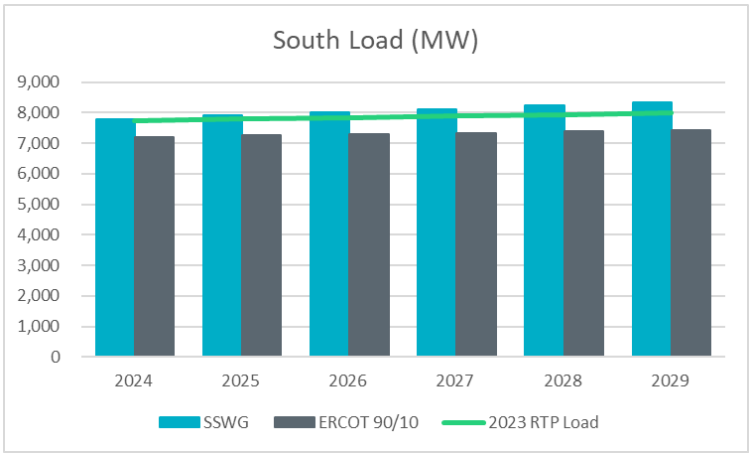


SSWG Load v/s ERCOT 90/10 (Less Self-serve Load and Losses)









2023 Load Review

- ERCOT will post TSP load share % for each weather zone to be used in load bounding in MIS Secure Area
- TSP load in each bounded weather zone will be scaled to the values calculated below except for the self-serve load, which will not be modified

*weather zone bounded load amount * TSP load share %*

- 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 February 3, 2023)
- Feedback provided to
  - Calvin Opheim (Calvin.Opheim@ercot.com)
  - Ping Yan (Ping.Yan@ercot.com)
  - Jameson Haesler (Jameson.Haesler@ercot.com)
- ERCOT to complete load review and finalize RTP load levels (by February 17, 2023)
- TSPs to submit IDEVs to ERCOT to reflect the load review results (by February 28, 2023)

Appendix

2023 RTP Load Level (MW) with Self-serve Load (Preliminary)

Year	Coast	East	Far West*	North	North Central	South Central	Southern	West*	Total
2024	28,186	3,385	7,054	3,027	30,343	16,320	8,251	2,906	99,471
2025	28,443	3,404	7,594	3,192	30,502	16,655	8,303	2,965	101,059
2026	28,689	3,466	8,131	3,356	30,658	16,982	8,354	3,097	102,733
2027	28,934	3,515	8,479	3,521	30,808	17,332	8,404	3,260	104,252
2028	29,177	3,550	8,848	3,528	30,931	17,519	8,454	3,261	105,267
2029	29,415	3,599	9,222	3,536	31,046	17,691	8,502	3,263	106,275

	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). Appropriate load forecast other than this load level may be adopted for the West and Far West weather zones, which is not reflected in this table.