

Planned Resource Milestone Status

Planned Resource Category	Cumulative Summer Capacity Contribution (in MW) of Resources Available by June 1 of the Reporting Year				
	2017	2018	2019	2020	2021
Commissioning Plan submitted	353	353	353	353	353
Meets Planning Guide Sec. 6.9 criteria (CDR plus TSP Financial Security Posted and Notice to Proceed)	3,213	5,149	5,831	5,911	5,991
CDR Eligible (signed IA, air permits received, proof of adequate water supplies provided)	3,283	7,549	9,913	10,982	11,062
Signed IA and Full Interconnection Study completed and accepted by ERCOT	2,976	8,325	10,780	11,039	11,039
Signed IA only	3,283	10,829	15,991	17,763	17,843
Full Interconnection Study requested	3,836	15,464	24,614	27,822	28,398

Notes:

- (1) The data presented here is based upon the latest information provided to ERCOT by resource developers and can change without notice.
- (2) Wind and solar resource capacities reflect their summer peak average values as determined by the methodology in Protocol section 3.2.6.2.2.
- (3) Battery storage projects are assumed to provide no seasonal peak-hour capacity contributions, and are thus reported as zero MW.



Capacity, Demand and Reserves, 2022-2026

The summer capacity summary below shows the reserve margin impact of not adding any resources during the last five years of ERCOT's Long-Term Load Forecast. Since project developers typically submit interconnection requests no more than three to four years before the facility is expected to enter commercial operations, reserve margins reported beyond this resource addition window always show a declining trend.

Load Forecast, MW:	2022	2023	2024	2025	2026
Total Summer Peak Demand (based on normal weather)	75,660	76,350	77,036	77,732	78,572
less: Load Resource providing Responsive Reserve	-1,153	-1,153	-1,153	-1,153	-1,153
less: Load Resource providing Non-Spinning Reserve	0	0	0	0	0
less: Emergency Response Service (10- and 30-min ramp products)	-1,507	-1,507	-1,507	-1,507	-1,507
less: TDSP Standard Offer Load Management Programs	-208	-208	-208	-208	-208
Firm Peak Load, MW	72,792	73,482	74,168	74,864	75,704

Resources, MW:	2022	2023	2024	2025	2026
Installed Capacity, Thermal/Hydro	65,325	65,325	65,325	65,325	65,325
Switchable Capacity, MW	2,972	2,972	2,972	2,972	2,972
less: Switchable Capacity Unavailable to ERCOT, MW	0	0	0	0	0
Available Mothballed Capacity, MW	805	805	805	805	805
Capacity from Private Use Networks	4,496	4,496	4,486	4,486	4,486
Non-Coastal Wind, Peak Average Capacity Contribution (12%)	1,693	1,693	1,693	1,693	1,693
Coastal Wind, Peak Average Capacity Contribution (55%)	1,015	1,015	1,015	1,015	1,015
Solar Utility-Scale, Peak Average Capacity Contribution (80%)	230	230	230	230	230
RMR Capacity to be under Contract	0	0	0	0	0
Operational Generation Capacity, MW	76,536	76,536	76,526	76,526	76,526
Capacity Contribution - Non-Synchronous Ties, MW	577	577	577	577	577
Planned Thermal Resources with Signed IA, Air Permits and Water Rights, MW	7,425	7,425	7,425	7,425	7,425
Planned Non-Coastal Wind with Signed IA, Peak Average Capacity Contribution (12%)	1,167	1,167	1,167	1,167	1,167
Planned Coastal Wind with Signed IA, Peak Average Capacity Contribution (55%)	619	619	619	619	619
Planned Solar Utility-Scale, Peak Average Capacity Contribution (80%)	1,412	1,412	1,412	1,412	1,412
Total Capacity, MW	87,738	87,738	87,728	87,728	87,728

Reserve Margin	20.5%	19.4%	18.3%	17.2%	15.9%
(Total Resources - Firm Load Forecast) / Firm Load Forecast					

Report on the Capacity, Demand and Reserves in the ERCOT Region

Summer Summary: 2017-2026

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Load Forecast, MW:										
Total Summer Peak Demand (based on normal weather)	71,416	72,277	73,663	74,288	74,966	75,660	76,350	77,036	77,732	78,572
less: Load Resource providing Responsive Reserve	-1,153	-1,153	-1,153	-1,153	-1,153	-1,153	-1,153	-1,153	-1,153	-1,153
less: Load Resource providing Non-Spinning Reserve	0	0	0	0	0	0	0	0	0	0
less: Emergency Response Service (10- and 30-min ramp products)	-1,507	-1,507	-1,507	-1,507	-1,507	-1,507	-1,507	-1,507	-1,507	-1,507
less: TDSP Standard Offer Load Management Programs	-208	-208	-208	-208	-208	-208	-208	-208	-208	-208
Firm Peak Load, MW	68,548	69,409	70,795	71,420	72,098	72,792	73,482	74,168	74,864	75,704
Resources, MW:										
Installed Capacity, Thermal/Hydro	65,990	66,165	65,325	65,325	65,325	65,325	65,325	65,325	65,325	65,325
Switchable Capacity, MW	2,972	2,972	2,972	2,972	2,972	2,972	2,972	2,972	2,972	2,972
less: Switchable Capacity Unavailable to ERCOT, MW	-300	-300	-300	-300	0	0	0	0	0	0
Available Mothballed Capacity, MW	805	805	805	805	805	805	805	805	805	805
Capacity from Private Use Networks	4,292	4,540	4,536	4,465	4,436	4,496	4,496	4,486	4,486	4,486
Non-Coastal Wind, Peak Average Capacity Contribution (12%)	1,693	1,693	1,693	1,693	1,693	1,693	1,693	1,693	1,693	1,693
Coastal Wind, Peak Average Capacity Contribution (55%)	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015
Solar Utility-Scale, Peak Average Capacity Contribution (80%)	230	230	230	230	230	230	230	230	230	230
RMR Capacity to be under Contract	0	0	0	0	0	0	0	0	0	0
Operational Generation Capacity, MW	76,697	77,120	76,276	76,205	76,476	76,536	76,536	76,526	76,526	76,526
Capacity Contribution - Non-Synchronous Ties, MW	577	577	577	577	577	577	577	577	577	577
Planned Thermal Resources with Signed IA, Air Permits and Water Rights, MW	1,400	6,207	7,185	7,425	7,425	7,425	7,425	7,425	7,425	7,425
Planned Non-Coastal Wind with Signed IA, Peak Average Capacity Contribution (12%)	838	1,083	1,167	1,167	1,167	1,167	1,167	1,167	1,167	1,167
Planned Coastal Wind with Signed IA, Peak Average Capacity Contribution (55%)	305	619	619	619	619	619	619	619	619	619
Planned Solar Utility-Scale, Peak Average Capacity Contribution (80%)	1,177	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412
Total Capacity, MW	80,995	87,019	87,238	87,407	87,678	87,738	87,738	87,728	87,728	87,728
Reserve Margin (Total Resources - Firm Load Forecast) / Firm Load Forecast	18.2%	25.4%	23.2%	22.4%	21.6%	20.5%	19.4%	18.3%	17.2%	15.9%

The section above shows the reserve margin impact of not adding any resources during the last five years of ERCOT's Long-Term Load Forecast. Since project developers typically submit interconnection requests no more than three to four years before the facility is expected to enter commercial operations, reserve margins reported beyond this resource addition window always show a declining trend.