



2025 RTP Sensitivity Assumptions

September 2025 RPG

ERCOT

Regional Transmission Planning

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Introduction

- NERC Reliability Standard TPL-001-5.1
 - Requires sensitivity analyses to be performed
- System Off-Peak Load Sensitivity
 - Start case: 2025 RTP 2028 minimum load case
- System Peak Load Sensitivity
 - Start case: 2025 RTP 2027 summer peak case
 - Start case: 2025 RTP 2030 summer peak case

Generation Assumptions

2025 RTP Base Case Generation Summary

2027 SUM	2028 MIN	2030 SUM
6.9(1)	6.9(1) IA	6.9(1) IA FIS Completed

2025 RTP Sensitivity Generation Summary

2027 SUM	2028 MIN	2030 SUM
6.9(1) Solar, Wind – No Change Batteries – 20.3% to 0%	6.9(1) Solar, Batteries – No Change (OFF) Wind – Reduced Other: 48% to 24% Panhandle: 54% to 30% Coastal: 36% to 18% FW Conventional = 2,446 MW FW Non-Conventional = 1,545 MW	6.9(1) Solar, Wind, Batteries – No Change

Key Takeaway: The 2025 RTP Sensitivity analysis will include only future generation that has met Planning Guide section 6.9(1).

Load Assumptions

- For all cases:
 - Only large loads with a signed Interconnection Agreement will be included.
 - Large loads substantiated with an Officer Letter or third-party study will be removed.
 - All other loads will remain unchanged including the S&P Global forecast in WFW.

Study Case	Large Loads without Contracts (MW)	Large Loads with Contracts (MW)	Total System Load (MW) [1]
2027 SUM	8,713	19,772	111,650
2028 MIN	11,839	26,373	71,999 FW = 11,707 W = 3,130
2030 SUM	23,337	33,917	129,198

Key Takeaway: The 2025 RTP Sensitivity analysis will include only large loads substantiated with a contract.

[1] Excluding self-serve loads and losses

Questions/Comments

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