



2024 RTP Sensitivity Assumptions

ERCOT Regional Transmission Planning

September 25, 2024

Introduction

- NERC Reliability Standard TPL-001-5.1
 - Requires sensitivity analyses to be performed
- 2024 RTP System Off-Peak Load
 - Study year 2027
- 2024 RTP System Peak Load
 - Study years 2026 and 2029
- Assumptions and Methodology
 - Starting cases
 - Load and generation

Assumptions and Methodology

- Starting cases
 - Off-Peak Load
 - 2024 RTP 2027 minimum load case
 - Peak Load
 - 2024 RTP 2026 summer peak case
 - 2024 RTP 2029 summer peak case
- Load
 - For all cases:
 - Officer letter loads will all be scaled to 50% of their full value
 - All other loads will remain unchanged
- Generation
 - For all cases:
 - Generation Hubs will be turned off
 - All other generation assumptions will remain unchanged

Load Levels

Study Case	Officer Letter Load – Full (MW)	Officer Letter Load – Reduced (MW)	Total Contract Load (MW)	Total System Load (MW) [1]
2026 SUM	10,081	5,041	11,847	107,131
2027 MIN	18,004	9,002	13,934	63,735
2029 SUM	31,197	15,599	20,868	129,168

[1] Excluding self-serve loads and losses

Questions/Comments

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