



## **2021 RTP On Peak Sensitivity Analysis**

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# Introduction

- Security Constrained Optimal Power Flow (SCOPF) may back down the output of generators including the dispatchable Resources to resolve transmission constraints
- Identify potential transmission enhancements to ensure dispatchable Resources are not limited by transmission constraints from a reliability perspective

# Assumptions

- 2023 and 2026 summer peak conditions will be studied with one study case for each year instead of four study region based cases
- ERCOT 50/50 coincident peak load forecast will be used for all weather zones except for the West and Far West weather zones
- For West and Far West weather zones, which adopted the IHS Markit study load forecast, adjustment will be applied to represent the coincident peak load forecast

# Assumptions

- Load forecast (MW) for the sensitivity analysis

Year	Coast	East	Far West	North	North Central	South Central	Southern	West	Total
2023	25,091	2,760	6,118	2,082	26,270	13,318	7,236	2,404	85,278
2026	25,687	2,887	7,221	2,086	27,052	13,532	7,561	2,509	88,536

# Assumptions

- Renewable Resources
  - Dispatch up to the CDR summer capacity contribution level

Solar	Coastal Wind	Panhandle Wind	Other Wind
80%	61%	29%	19%

- DC Ties
  - Maintain the same assumption as base case studies

# Questions and Comments?

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