



## **Item 7.2: 2022 Summer Operations**

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ERCOT Public

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# Summer 2022: Resource Adequacy Outlook

- Anticipate record peak demand of 77,884 MW based on average summer weather
- Planning reserve margin for summer 2022 is 22.8% - higher than last several years
- Assessment of resource adequacy for high-demand days is highly dependent on output of wind and solar resources, as well as unplanned outages of thermal generation
- Increased percentage of wind and solar resources will lead to net-load peak being extended before and after traditional hour ending 5PM peak demand

# Seasonal Assessment of Resource Adequacy Outlook

Summer 2021	Forecasted Season Peak Load	Forecasted Season Peak Load / Extreme Generation Outages	Forecasted Season Peak Load / Low Ren. Output	Extreme Peak Load / Typical Generation Outages
Total Resources (as of May 13)	91,392 MW			
Peak Load	77,314 <sup>1</sup>		79,239 <sup>3</sup>	
Unavailable Capacity <sup>2</sup>	4,105	8,090	12,823	4,105
Capacity Available for Operating Reserves	9,970	8,090	1,252	6,027

<sup>1</sup> Based on average weather from 2006-2020 and 567MW of incremental rooftop solar

<sup>2</sup> Assumptions for scenarios of Unavailable Capacity are detailed in SARA Report

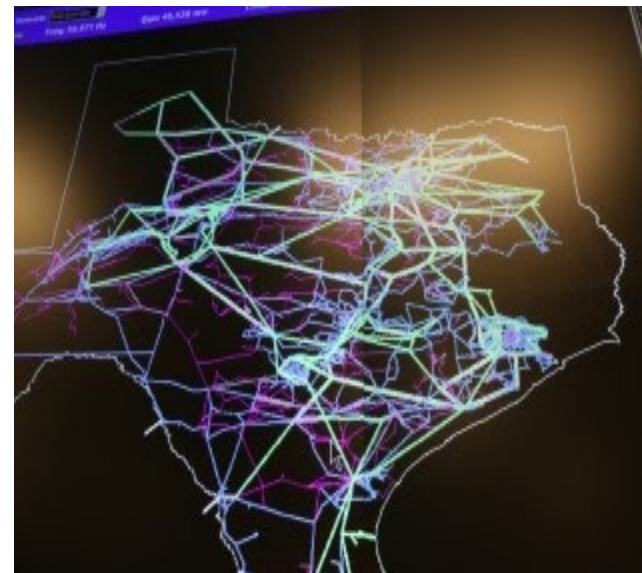
<sup>3</sup> Based on 90<sup>th</sup> percentile of summer weather conditions of 2002-2020

SARA Report also contains other more-extreme scenarios



# Summer 2022 Transmission Outlook

- No wide-area reliability concerns expected this year, barring significant outages
- May experience congestion in some areas:
  - Export constraints from Panhandle, West Texas and areas of the Rio Grande Valley during high wind conditions



# Operational Changes and Other Preparations

- NPPRR 1093 – Allows Load Resources to provide Non-spinning Reserves Service
- NPPRR 939 – Allows release of Load Resources providing Responsive Reserves in smaller blocks
- SCR800 – Includes DC Tie Ramps into Generation to be Dispatched
- Addition of second solar forecast vendor
- Continued Conservative Operations

# Questions?