



Item 7.2: 2022 Summer Operations – **REVISED**

Woody Rickerson

Vice President, System Planning and Weatherization

Board of Directors Meeting

ERCOT Public

June 21, 2022

Revised 6/21/2022 to correct data on slide 3

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

REVISED

Summer 2021	Forecasted Season Peak Load	Forecasted Season Peak Load / High Generation Outages	Forecasted Season Peak Load / Low Ren. Output	High Peak Load / Typical Generation Outages
Total Resources (as of May 13)	91,392 MW			
Peak Load	77,314 ¹		79,239 ³	
Unavailable Capacity ²	4,105	8,090	12,823	4,105
Capacity Available for Operating Reserves	9,970	5,985	1,252	8,048

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

² Assumptions for scenarios of Unavailable Capacity are detailed in SARA Report

³ Based on 90th 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?