



# Winter Storm Uri New Mexico & Texas

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March 4, 2021



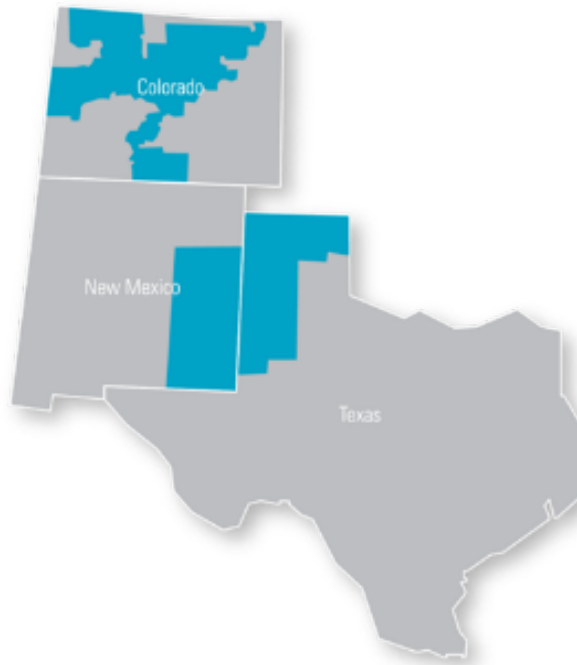
# About Xcel Energy

## Serving eight states

- 3.7 million electricity customers
- 2.1 million natural gas customers

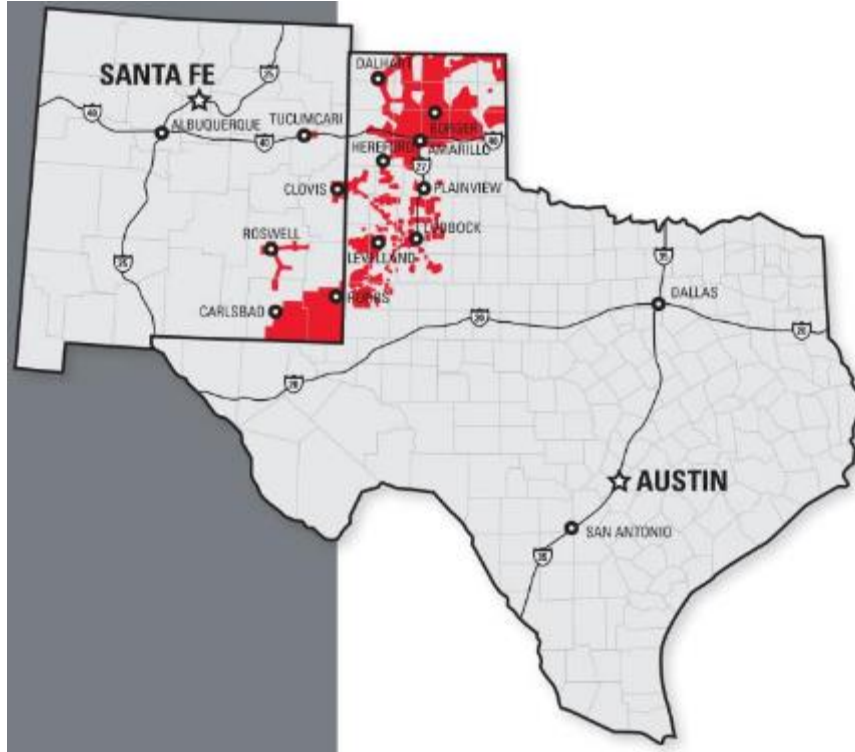
## Nationally recognized leader

- Wind energy
- Energy efficiency
- Carbon emissions reductions
- Innovative technology





## Texas and New Mexico Customers



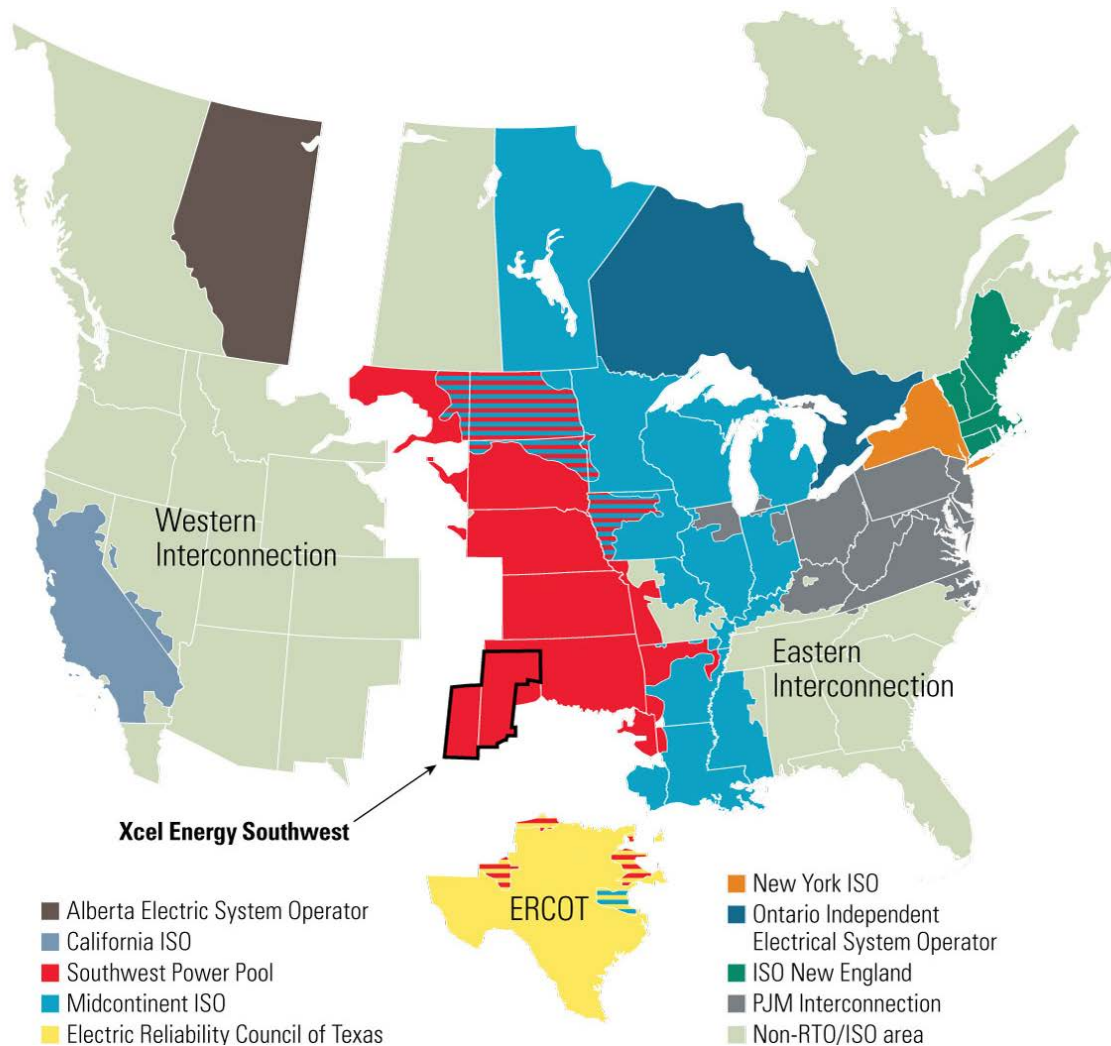
**385,015  
Electric  
Customers**



**99.9%  
Electric  
Reliability**

# SPP

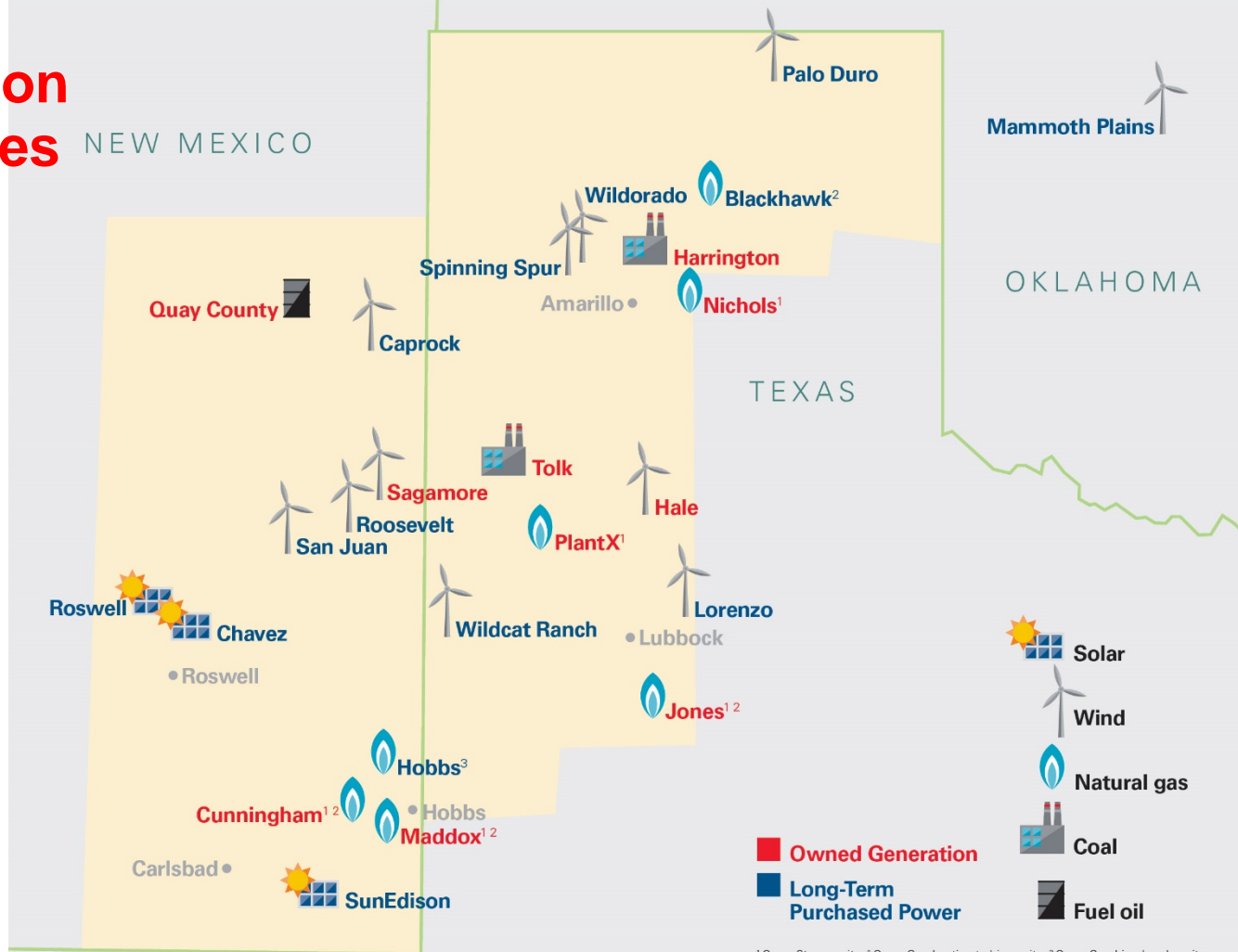
## Xcel Energy & ERCOT





# Generation Resources

NEW MEXICO

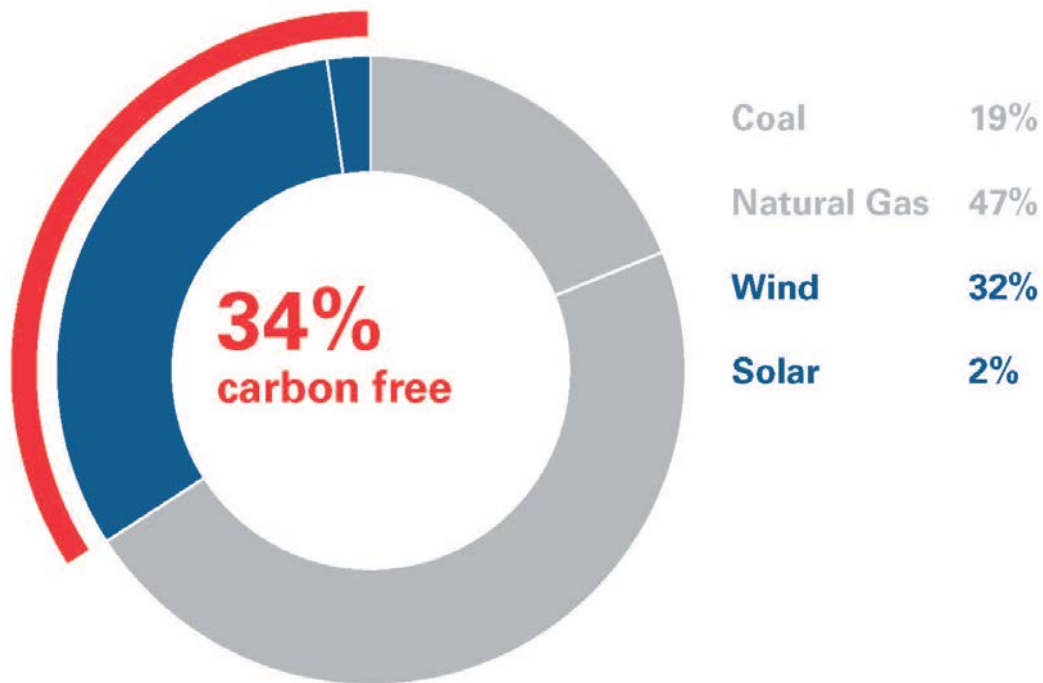


<sup>1</sup> Gas – Steam units. <sup>2</sup> Gas – Combustion turbine units. <sup>3</sup> Gas – Combined cycle units.



## Diversified Energy Mix: Texas & New Mexico

2020 – Southwest

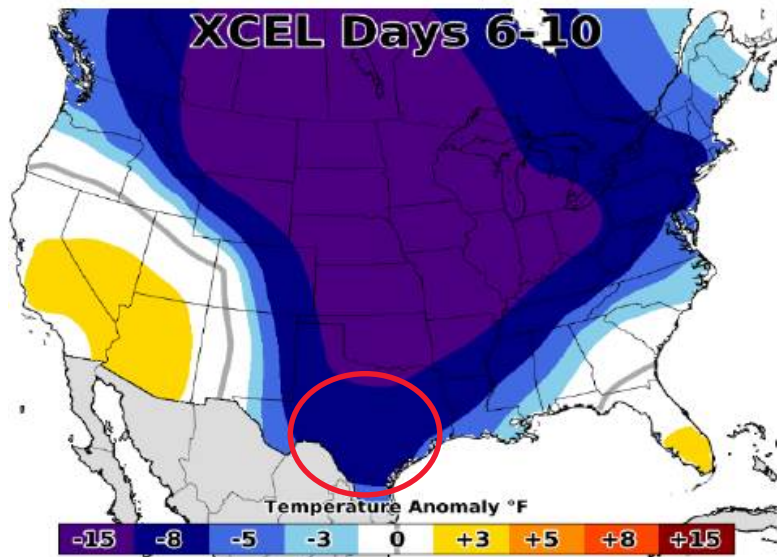




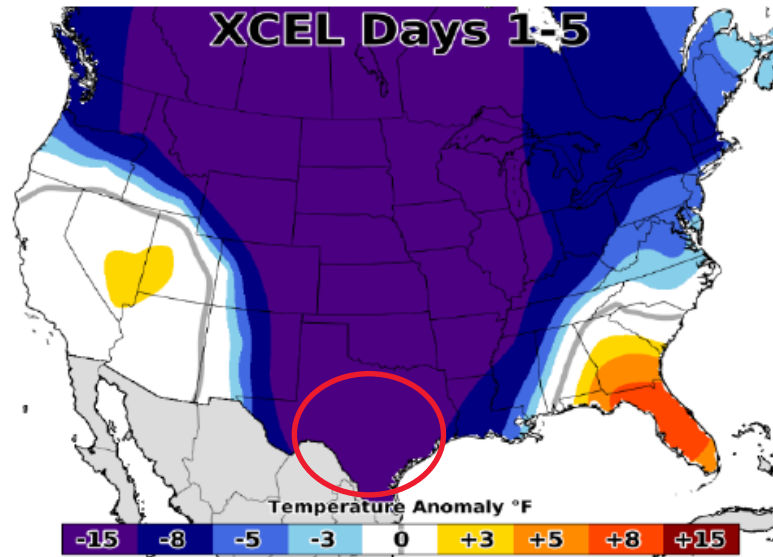


## 2021 Cold Weather Event – Forecast Changes

Mid-Con Forecast for Feb 10-14  
as of Feb 5th



Mid-con Forecast for Feb 11-15  
as of Feb 11th



- The change of Texas' expectations from a prior week to a current week are a material driver to demand

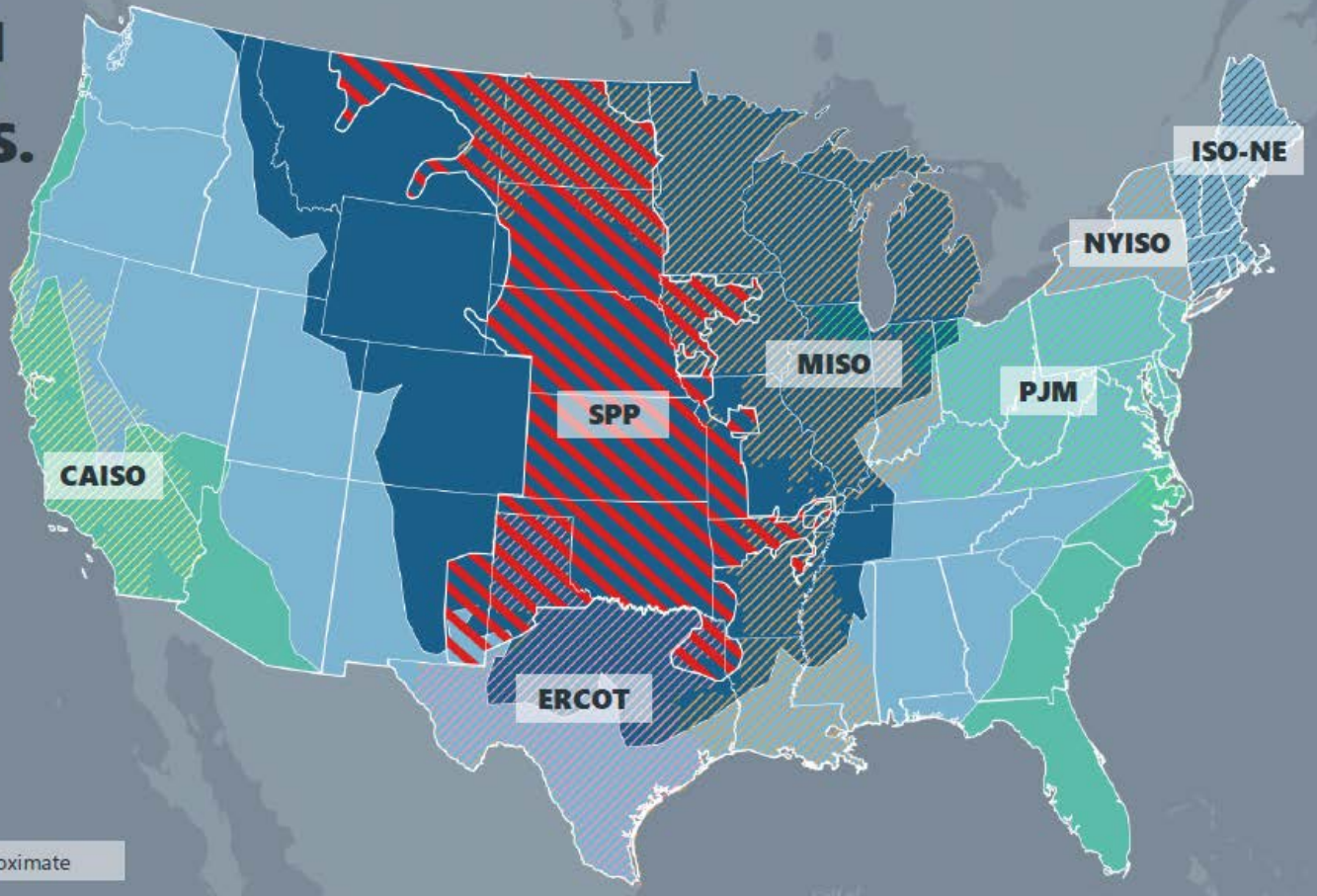
# SPP REGION IN COLDEST PART OF U.S.



Lowest temperatures forecast  
for Feb. 14-16, 2021

Sources: National Weather Service,  
Global Forecast System

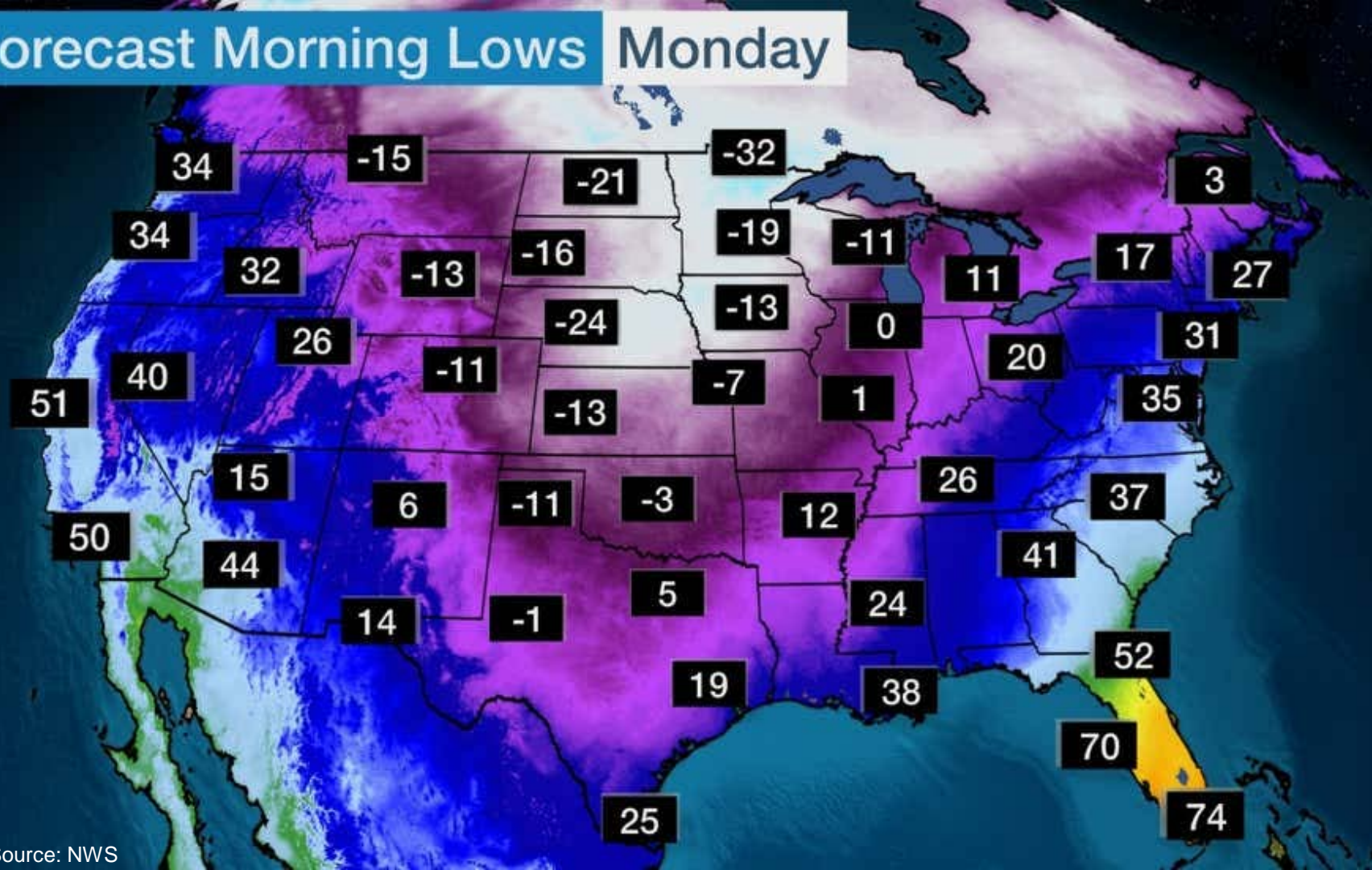
- SPP service territory/  
balancing authority
- Temperatures below 0°F
- Between 0° and 32°F
- Above 32°F



\* Locations of ISOs/RTOs are approximate



# Forecast Morning Lows Monday



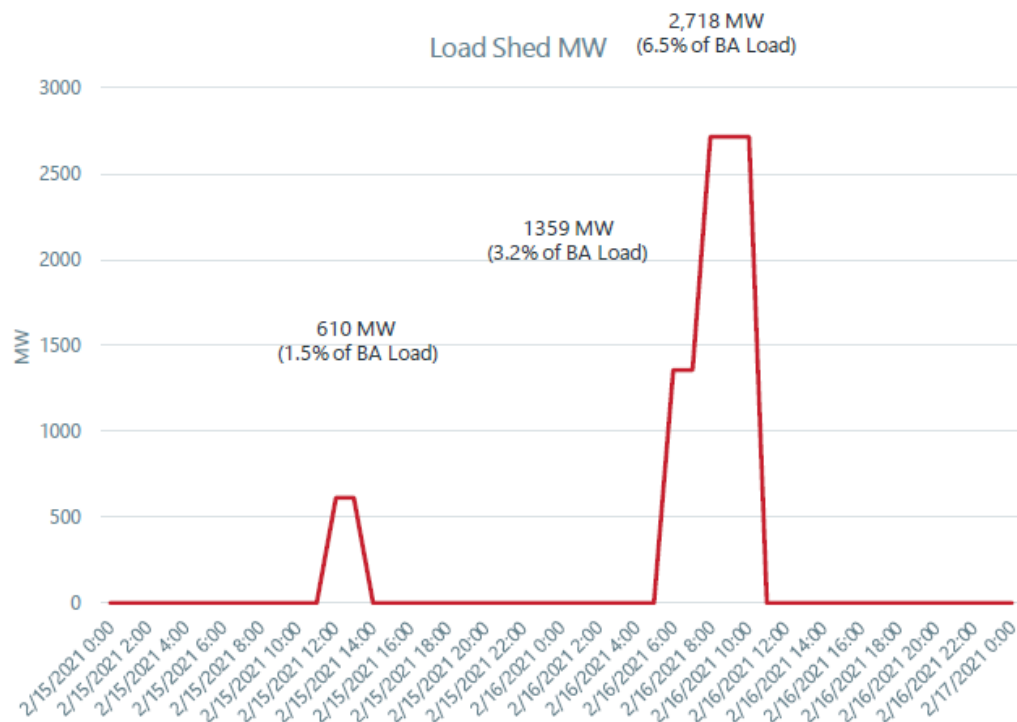




# INTERRUPTIONS BY ENTITY

Participating Entity	% of MW
CSWS	16.8
WAPA	13.5
SPS	12.4
OKGE	12.4
KCPL	9.68
WR	8.49
NPPD	6.57
OPPD	4.6
WFEC	3.78
GRDA	2.22
SECI	2.22
EDE	2.19
LES	1.36
SPRM	1.22
KACY_N	0.92
CBPC	0.83
INDN	0.38
SPA	0.28
TSGT	0.13
<b>SPP Total</b>	<b>100%</b>

Directed interruptions allocated to transmission operators on pro-rata basis





# **DRIVERS OF TEMPORARY SERVICE INTERRUPTIONS**

1. Generation unavailability
  - Lack of fuel supply
  - Icing and extreme cold weather-related outages
2. Rapid reduction of energy imports
  - Transmission congestion related
  - Tightening supply conditions in neighboring areas
3. Record wintertime energy consumption




## Planning and Preparedness

- Emergency operations plan
- Winter preparation
- Weather limitations
- Monthly certification





A large wind turbine is the central focus, its three blades extending across the frame. The landscape below is a flat, marshy area with patches of water and dry ground. In the distance, several other wind turbines are visible, creating a sense of a large-scale energy project. The sky is a mix of blue and white, with a bright sun in the upper left corner casting a lens flare. The image is framed by white geometric shapes on the left and right sides.

Thank you