

# Special Weather Bulletin

Winter Storm Impacts

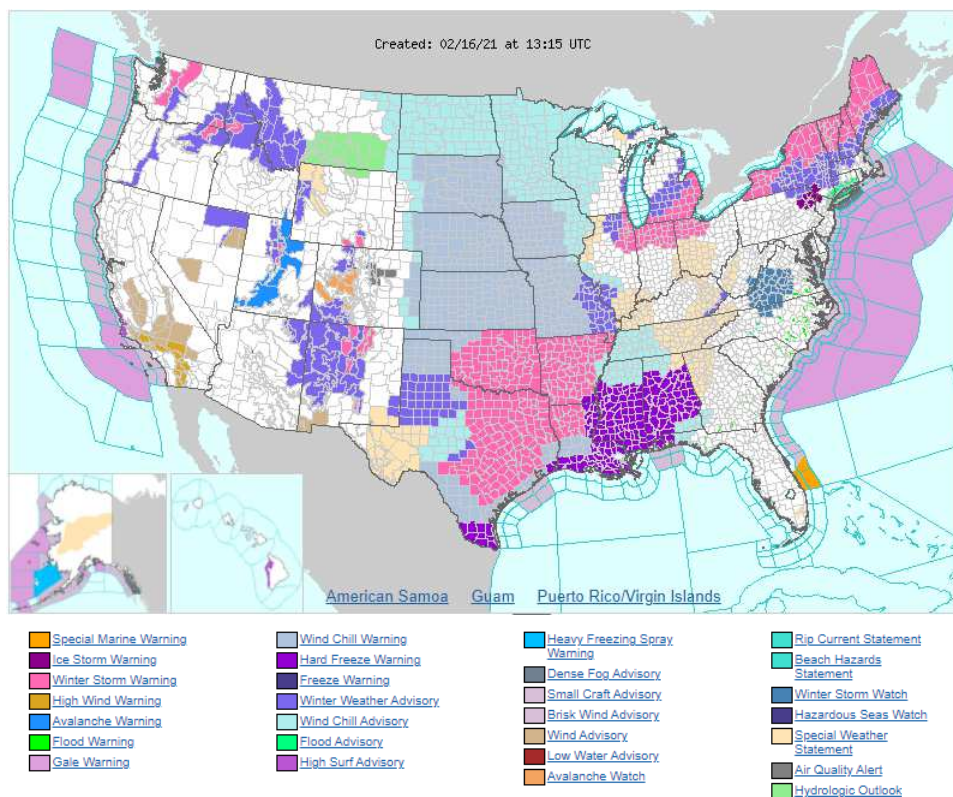
16 February 2021



PART OF



# Extreme Low Temperatures Prompt Energy Demand Surge & Ice Accumulation Cuts Energy Supply from Wind/Gas Power Plants



Sources: NWS, NOAA, ERCOT

## Texas

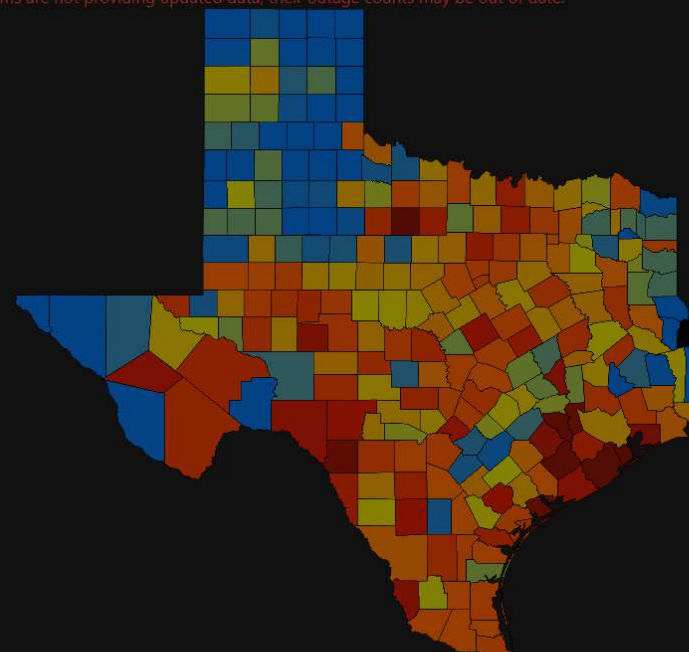
Customers Tracked: 12,474,090

State Outages: 4,158,099

Last Updated: 2/16/2021, 07:27:02 AM

ERCOT: Level 3 Alert – Load shedding is ongoing.

GPL, CTEC, and TCEC, systems are not providing updated data, their outage counts may be out of date.



Electric Providers for Texas

# Known Impacts

- Multiple refineries along the U.S. Gulf Coast have shut down, including Motiva and Total (Port Arthur, TX), ExxonMobil (Beaumont and Baytown, TX), CITGO (Corpus Christi, TX), Marathon (Galveston Bay, TX), and HollyFrontier (El Dorado, KS)
  - Oil production at wells have also been impacted, thereby limiting output
  - Brent crude oil price surged to \$63+ per barrel for the first time in over a year
- Many chemical plants have also taken precautionary measures and shut down
  - Reasons include loss of power and/or steam, upstream or downstream outages, personnel safety, and logistical constraints
  - As of now, there have been no reports of mechanical damage to refineries or chemical plants
- 4+ million residents in Texas were without power at some point during the storm, with many still experiencing rolling outages
  - 200,000+ residents lost power in Kansas, Missouri, Oklahoma, Louisiana, Arkansas, and Mississippi
- Port operations in Texas have been restricted by loss of power and limited personnel
- Rail and road traffic are hampered by snow and ice, leading to delays and increased lead times
- Barge movement is slowed along the U.S. Gulf and Lower Mississippi River, while parts of the Upper Mississippi and Illinois Riverways are closed

# Outlook

- The total impact of the outages is currently unknown as this is an ongoing situation
- Refineries and chemical plants could be down for days awaiting power and personnel
  - While mechanical problems were not the cause of outages, issues can sometimes arise during restart
- The Gulf Coast temperatures will remain below freezing until early Wednesday morning
  - Another winter storm is expected to bring freezing temperatures and precipitation to parts of Texas tonight, so energy demand will remain elevated
- Prices of some commodities will likely rise due to feedstock price spikes and supply shortages
  - One wild stat: wholesale power prices in Texas went from about \$50 per megawatt hour (MWh) to \$9,000 per MWh (the maximum price set by ERCOT) on Monday
- We are working on gathering info on impacts to the market and prices ahead of our MPA publication early next week
  - If you have any information, please reach out to your Chemical Data contact or send an email to [chemicaldata.support@icis.com](mailto:chemicaldata.support@icis.com)
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