## NATURAL GAS PERFORMANCE **DURING WINTER STORM URI**

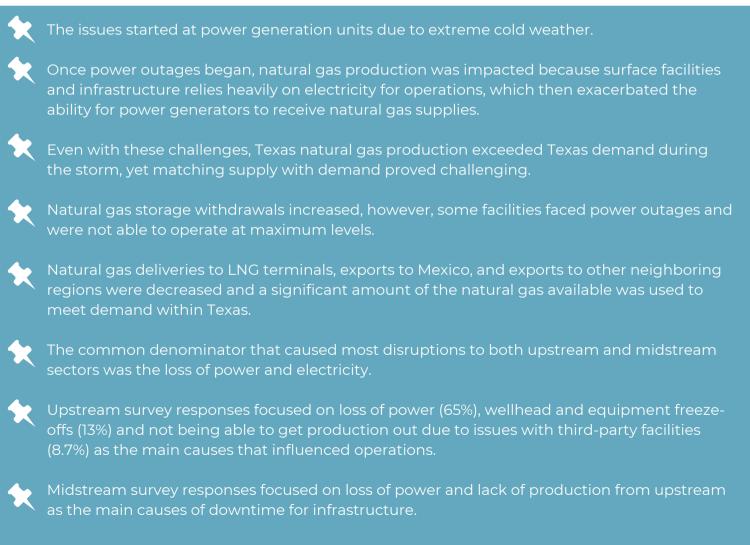
An analysis, commissioned by the Texas Oil and Gas Association (TXOGA), reveals that power outages, which originated at power generation units, were the principal factor for natural gas production and transportation reductions or shutdowns during Winter Storm Uri.

The analysis, prepared by Enverus, examined the performance of the upstream and midstream sectors of the Texas natural gas industry during the recent winter storm and factors contributing to performance issues and is based on data from ERCOT and the U.S. Energy Information Administration and surveys of upstream and midstream operators.

### Winter Storm Uri – Natural Gas Analysis

Prepared for: Texas Oil and Gas Association (TXOGA)

## **Key Takeaways**

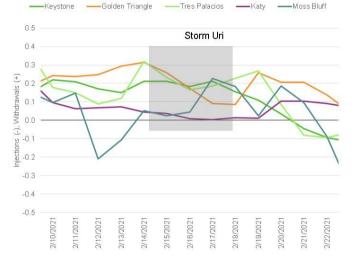




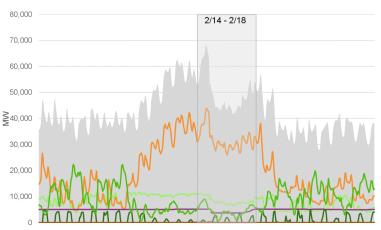
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Texas lost significant natural gas production while local demand increased. Even with these challenges, Texas natural gas production exceeded Texas demand during the storm, yet matching supply with demand proved challenging. Additionally, natural gas storage withdrawals increased, however, some facilities faced power outages and were not able to operate at maximum levels.

#### TEXAS GAS STORAGE FACILITIES - NET STORAGE WITHDRAWALS



Independently, a preliminary report by ERCOT confirms the causes for lost power generation during the February blackouts, listing power plants freezing up as the primary cause, with fuel limitations - which includes loss of natural gas production - representing a very small portion, and ranking fourth in causation.

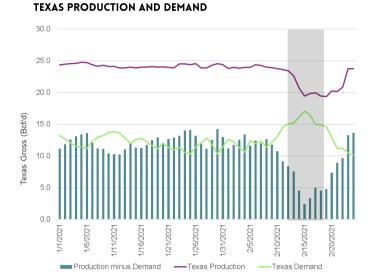


–Coal — Natural Gas — Nuclear — Fuel Oil — Hydro — Solar — Wind –

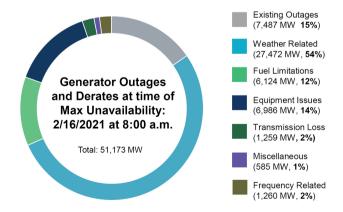
Other



- Total Generation -



Further, natural gas deliveries to LNG terminals, exports to Mexico, and exports to other neighboring regions decreased and a significant amount of the natural gas available was used to meet demand within Texas. Ultimately, the entire energy infrastructure chain was under significant stress during the storm creating infrastructure challenges which limited the ability of the available natural gas supply to match with demand.



During this event, natural gas provided the majority of generation. Natural gas supplied more than 60% of electricity generation every single day during the storm. At the height of the extreme cold weather event, natural gas was providing 67% of all power generation in Texas.

