

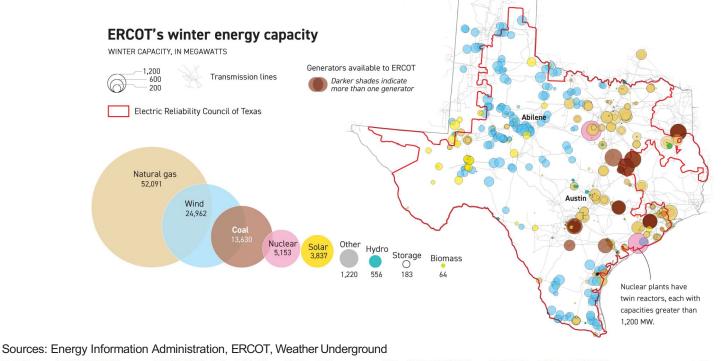
February 23, 2021

STEVE GORDON & ASSOCIATES

How an arctic blast took down an illprepared Texas power grid

Just after midnight on Feb. 15, the Texas grid went from "mostly OK" to "RED ALERT!" in the space of just over an hour. A deep cold froze gas plants and wind turbines, turned coal piles into a block of ice, and even drove a nuclear reactor offline, leaving the Electric Reliability Council of Texas, which is responsible for most of the state, with nowhere near enough electricity to supply customers.

Control room operators ordered utilities to start rolling blackouts in order to protect the system from longterm physical damage that would have plunged the state into darkness for months. Instead, ERCOT and utilities spent five days struggling to bring the system out of failure mode as people froze in their homes, pipes burst and food spoiled. The state is only now starting to deal with the fallout of the humanitarian crisis.

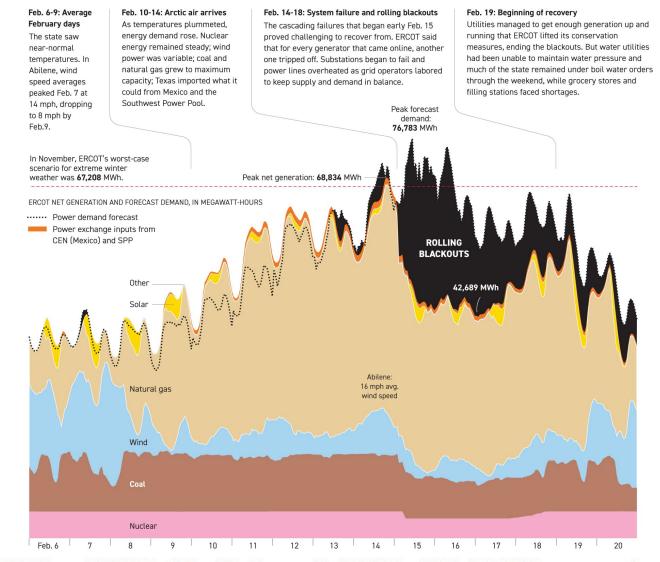






How an arctic blast took down an illprepared Texas power grid

A profile of failure: ERCOT power generation, Feb. 6-20



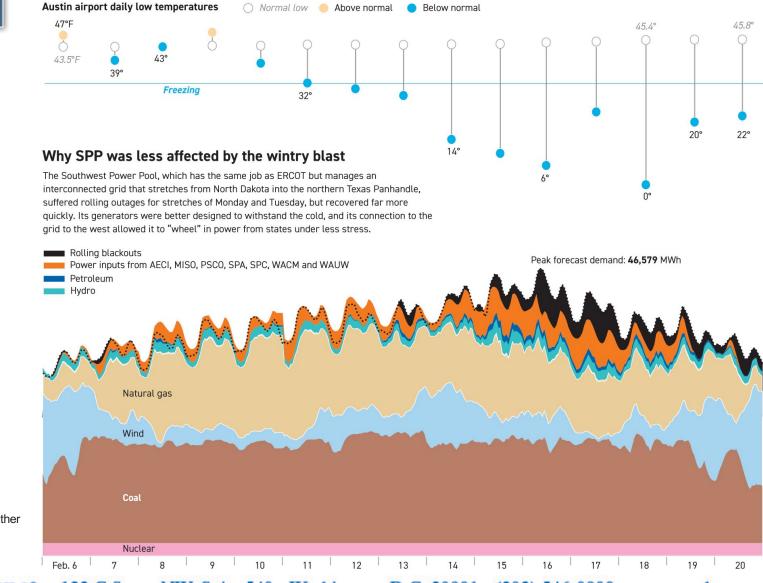
Sources: Energy Information Administration, ERCOT, Weather Underground



122 C Street NW, Suite 540 • Washington, D.C. 20001 • (202) 546-0900 • www.totalspectrumsga.com



How an arctic blast took down an illprepared Texas power grid



Sources: Energy Information Administration, ERCOT, Weather Underground



122 C Street NW, Suite 540 • Washington, D.C. 20001 • (202) 546-0900 • www.totalspectrumsga.com