



ERCOT Presentation to Senate Committee on Energy and Natural Resources

February 2, 2011 Grid Emergency Events

**John Dumas, Director of Wholesale Market
Operations**

February 21, 2011

ERCOT Region: 22 Million Texans

75% of Texas land area
200,000 square miles

85% of Texas load

65,776 MW peak demand
Set Aug. 23, 2010

57,282 MW winter peak demand
Set Feb. 10, 2011

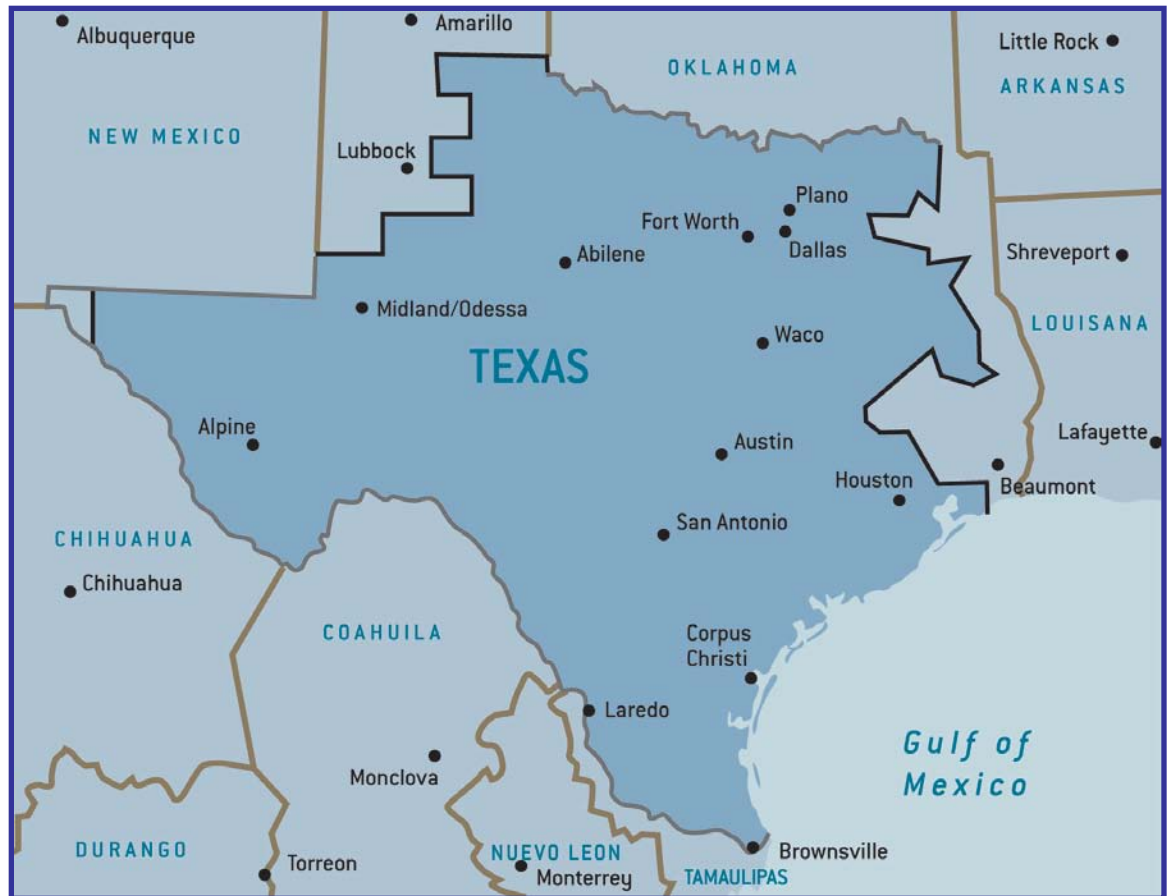
319 billion kilowatt-hours
energy produced, 2010

\$32 billion market

22 million Texans served
~6.5 million households in
competitive choice areas

ERCOT does not include:

- El Paso area
- Texas Panhandle
- Northeast Texas
 - Longview, Marshall and Texarkana
- Southeast Texas
 - Beaumont, Port Arthur, and the Woodlands



A record-breaking arctic front was approaching prior to February 2, 2011

Extremely Cold Weather Grips Texas

February 1, 2011
Major Winter Storm Expected to Develop Over Texas

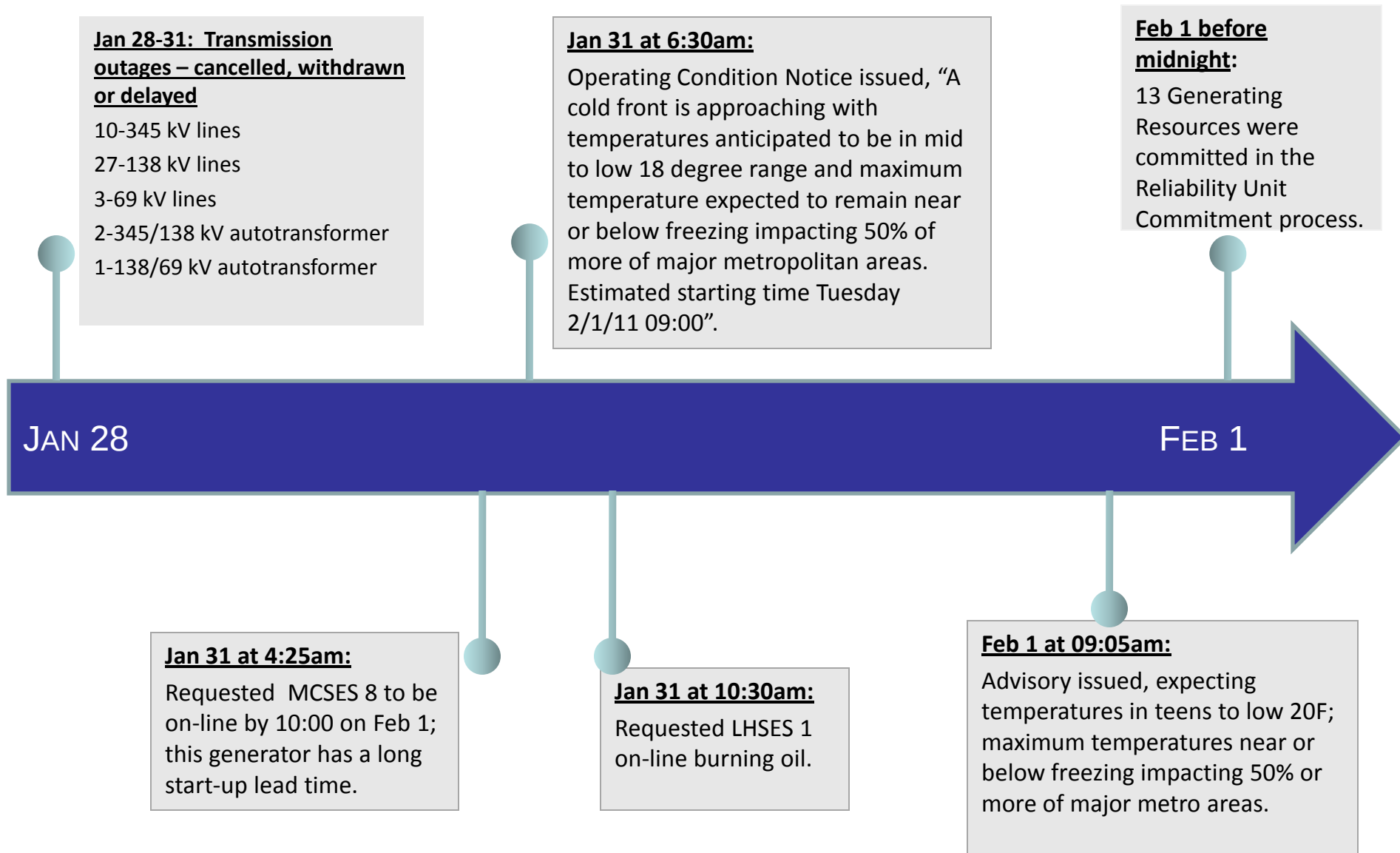
February 2, 2011
Winter Returns with Fury

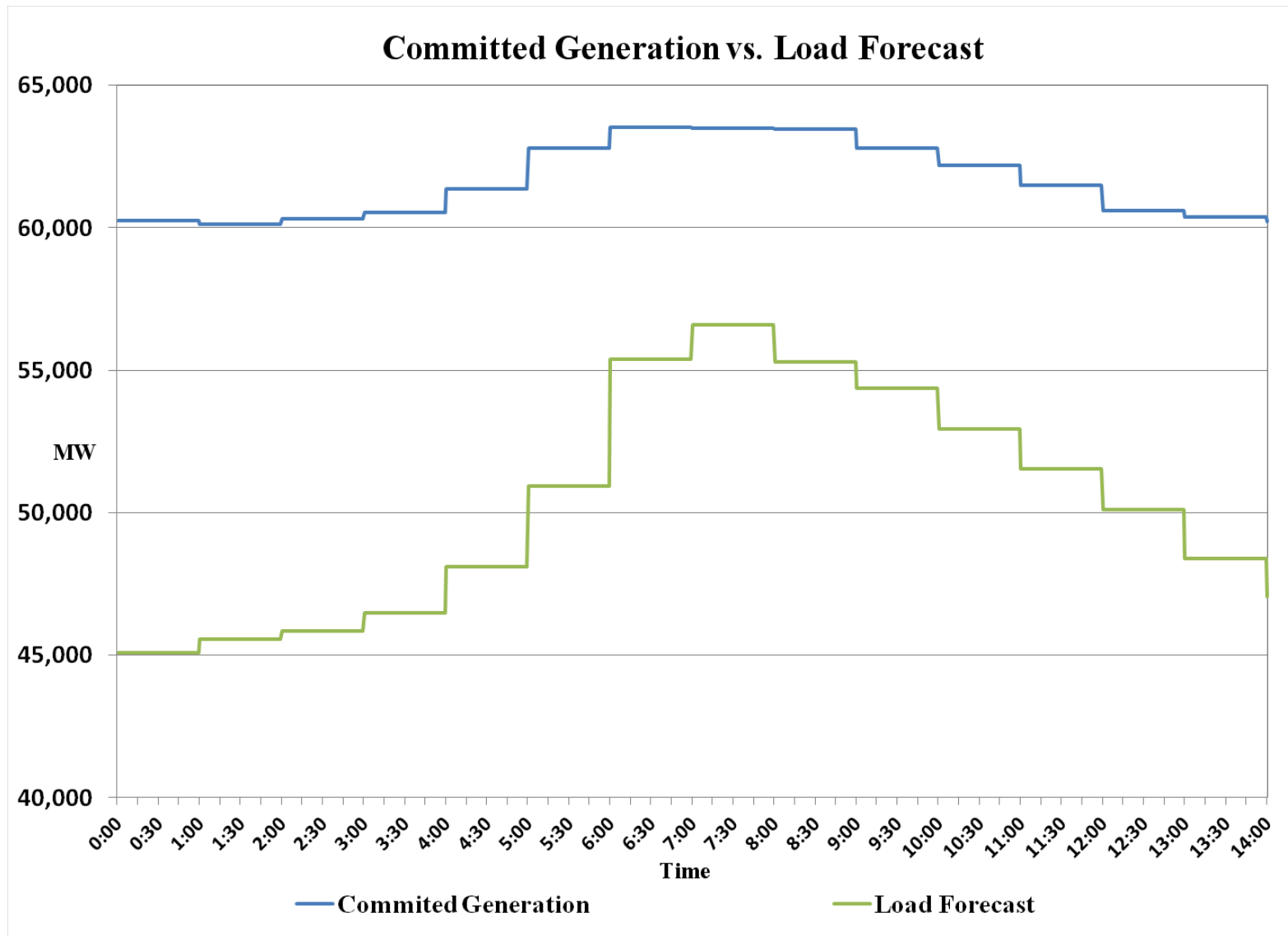
February 1, 2011
The Coldest Week for North Texas in 22 Years

February 1, 2011
A Strong Arctic Cold Front Will Move Through Deep South Texas on Tuesday

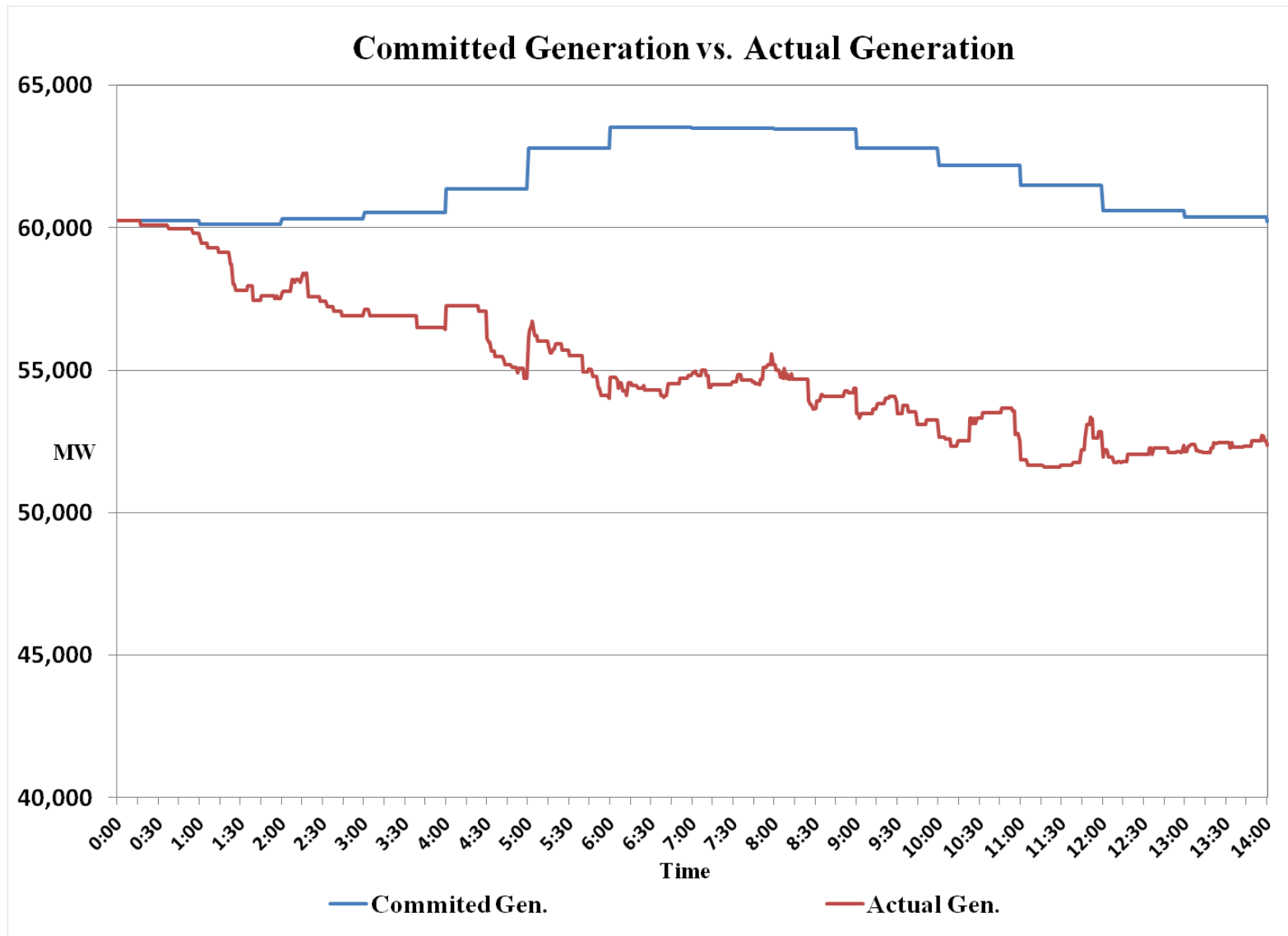
February 2, 2011
Deep Arctic Air Entrenched Across Texas

ERCOT's Pre-Event Preparation

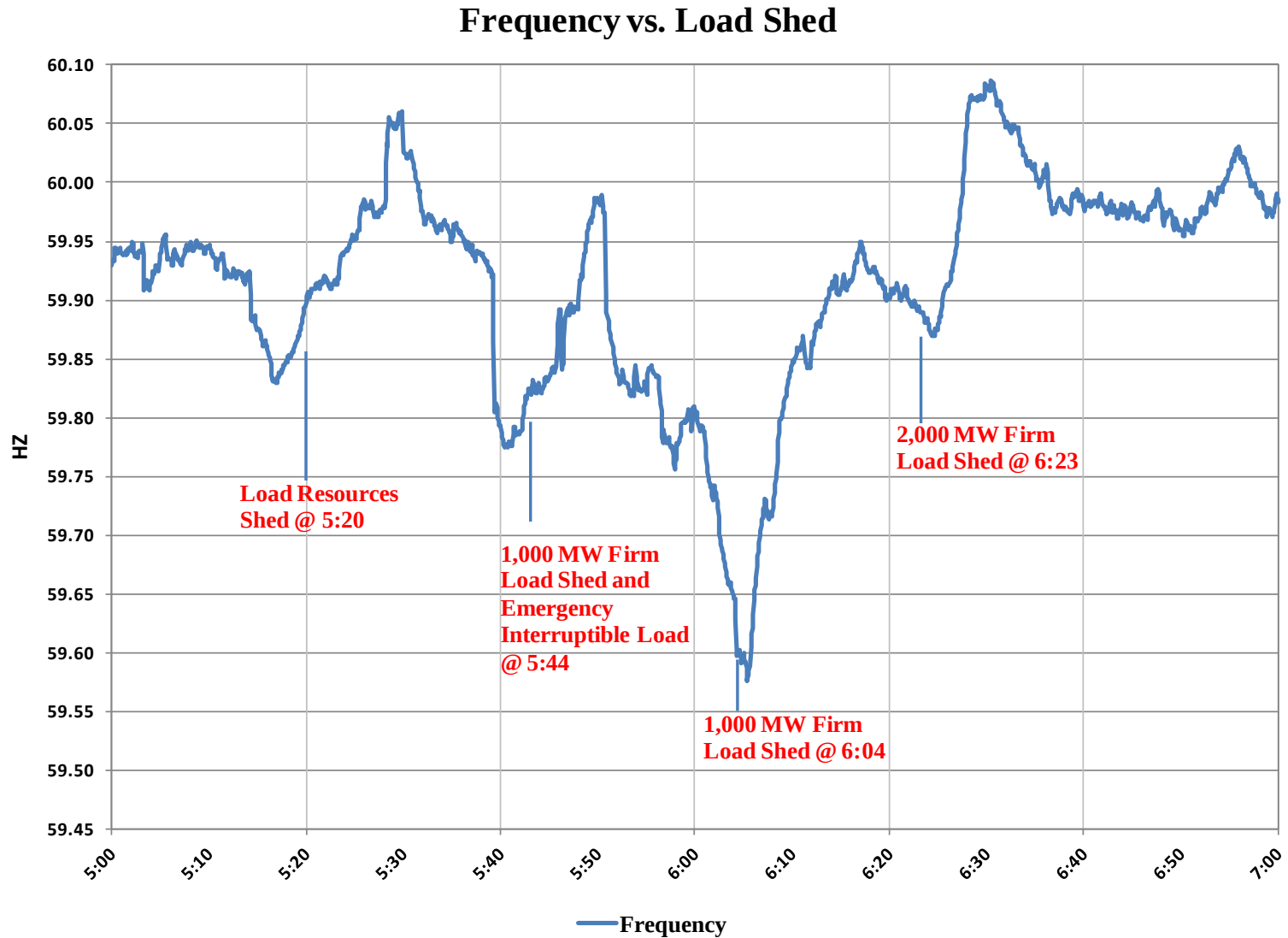




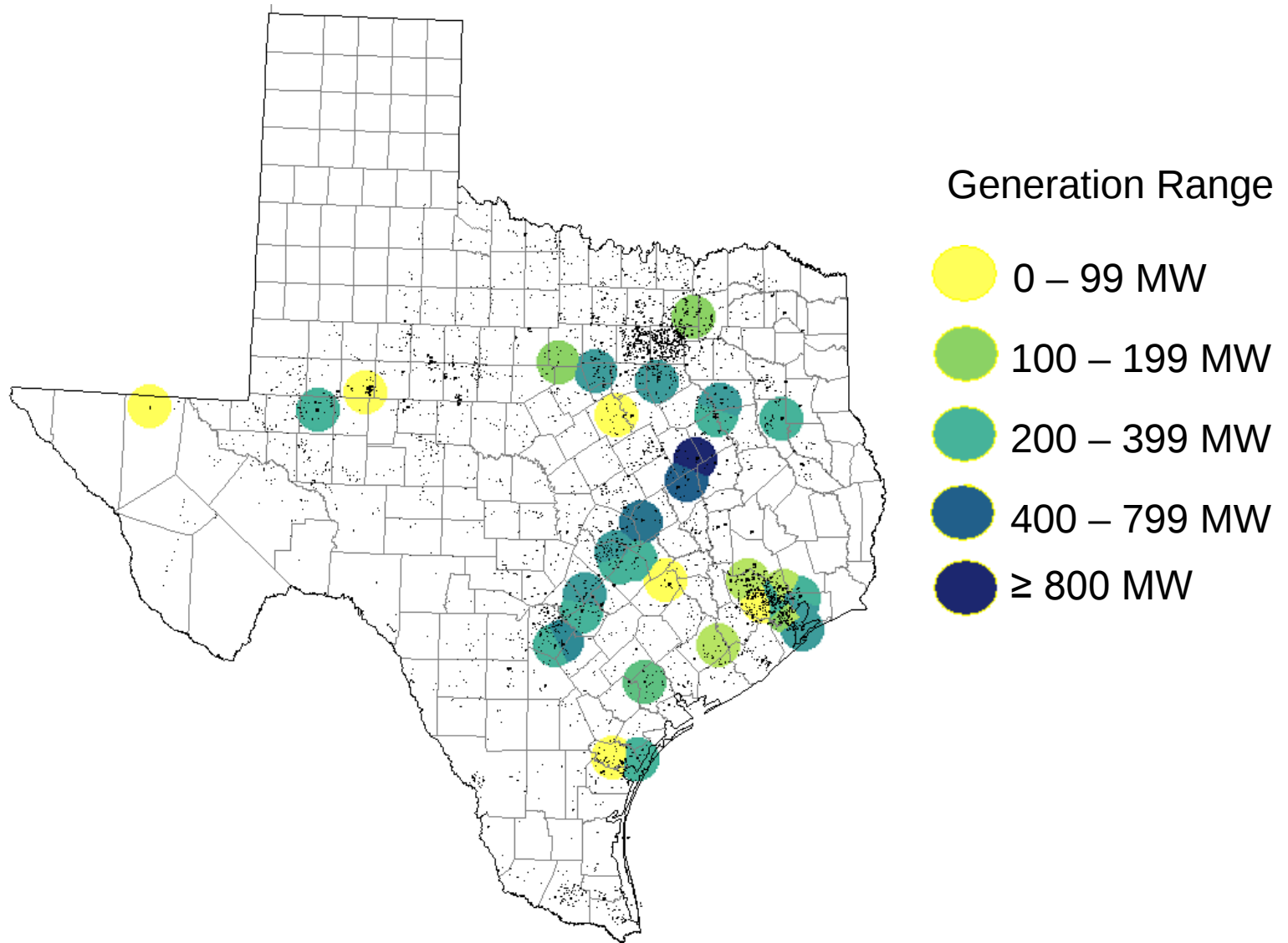
More than 8,000 megawatts (MW) of generation unexpectedly dropped offline overnight



The ERCOT System responded as expected



The generation loss was system-wide and covered units of all ages and multiple types of fuel



Interagency Cooperation

- ERCOT was advised that some units could generate more power if additional natural gas became available to the unit or if generators could temporarily surpass air emissions limits.
- PUC and RRC Commissioners and Staff worked cooperatively to assess specific situations and work with industry on natural gas issues.
- PUC and TCEQ Commissioners and Staff worked with ERCOT to develop a plan for encouraging addition of available generation resources to the ERCOT electric grid.

ERCOT's next steps

ERCOT will continue to review the actions leading up to this event and the handling of event itself.

- ERCOT is providing information to assist in the investigations currently underway.
- ERCOT will be an active participant in the discussion related to the adequate weatherization of generation units.
- ERCOT will work with transmission providers to study the potential use of advanced meters in selective load reduction.
- ERCOT is reviewing all communications policies related to grid emergencies.
 - ERCOT has already implemented changes that will provide automated notice to the State Operations Center (SOC) and the PUC.
 - ERCOT will implement a “phone bank” that will temporarily increase staff during emergency situations to respond to incoming calls.