

Grid Operations and Planning Report

ERCOT Board of Directors March 17, 2009

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- Summary
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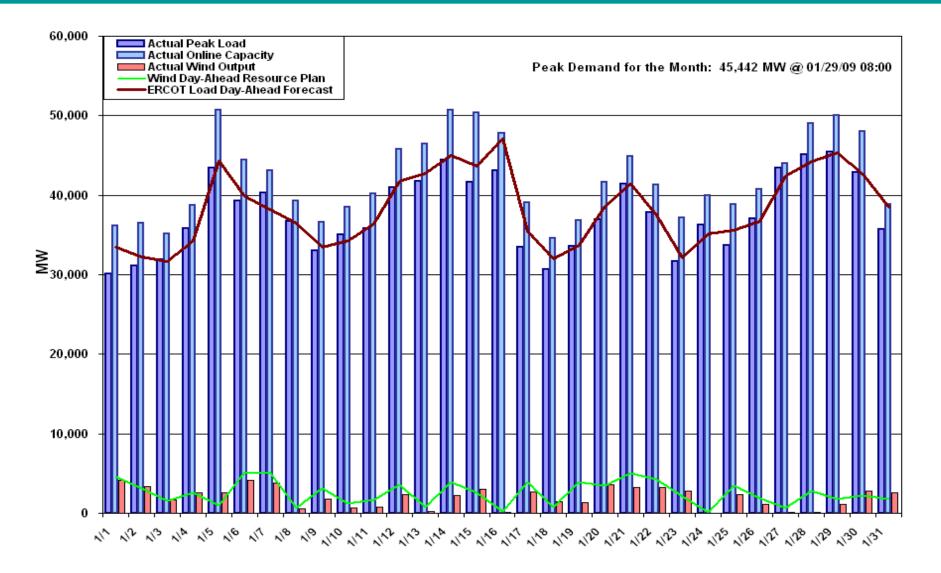
Summary

• January 2009 Operations

- The peak demand of 45,442 MW on January 29th was less than the forecast of 47,131 MW for January.
- Day-ahead load forecast error for January was 4.11%.
- Most zonal transmission congestion in January was West to North due to wind generation
- No Alerts for Adjusted Responsive Reserve under 2500 MW or EECP events. One transmission alert.
- 261 active generation interconnect requests totaling over 101,000 MW.
- Completed initial RMR determination on Luminant Notice of Suspension of Operations (NSO) submission and released 12 units. Conducting further study before making final determination on three other units. Studies are also underway for initial determination on three units for which NSO was received from CPS Energy.
- 8,065 MW wind capacity on line February 28, 2009. No change from January.

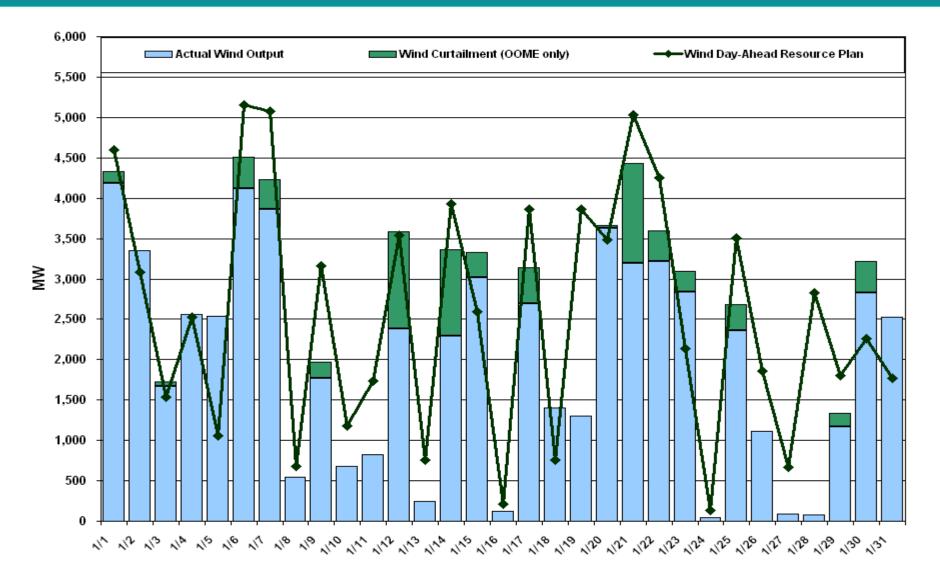


Daily Peak Demand: Hourly Average Actual vs Forecast, Resource Plan & On-line Capacity at Peak



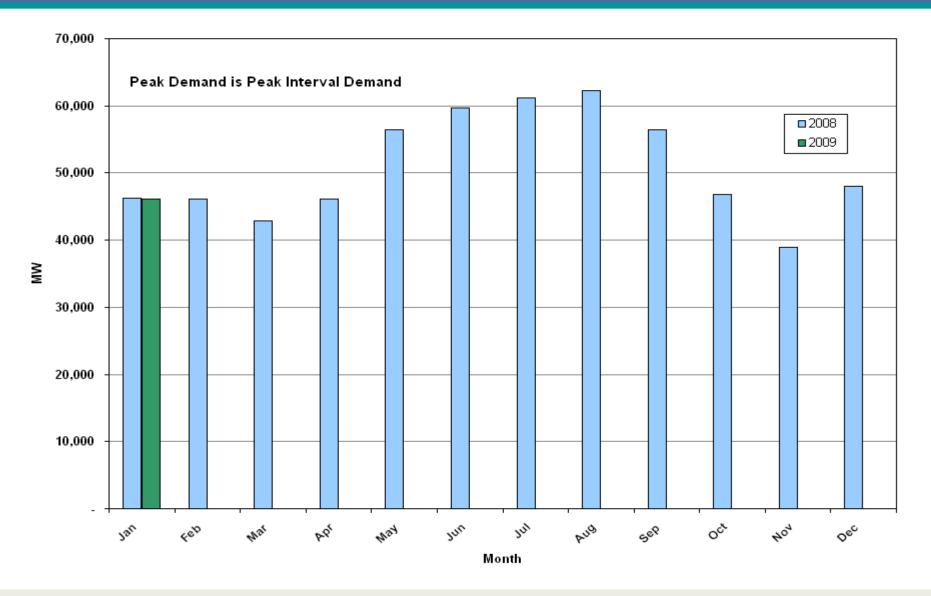
Note: All data are hourly averages during the peak load hour obtained from Resource Plans, and EMMS.

Actual Wind Output w/ Curtailment Added Back Vs Wind Day-Ahead Resource Plan Based on AWS Forecast at Peak Load Hour





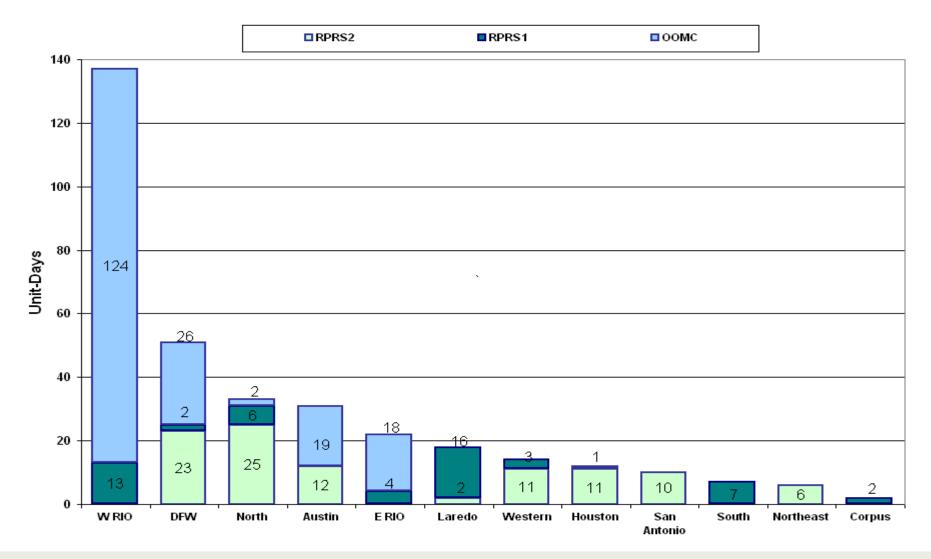
Monthly Peak Demand: Actual





	Mean Absolute Percent Error (MAPE) for ERCOT Mid-Term Load Forecast (MTLF) Run at 16:00 Day Ahead							
	2006 MAPE	2007 MAPE	2008 MAPE	2009 MAPE (YTD)	January 2009 MAPE			
Average Annual MAPE	3.79	3.55	3.30	4.11	4.11			







CSC	Jan 08 Days	Nov 08 Days	Dec 08 Days	January 09 Days	Last 12 Months Total Days (Jan 08 – Jan 09)
North – Houston	0	1	0	0	71
North – West	10	1	0	0	35
West – North	7	17	22	19 Jan – 1-7, 9, 10, 12-14, 19-24, 31	201
South – North	0	0	0	1 Jan – 16	37
North - South	N/A	0	0	2 Jan – 9, 12	112



• January 16th at 18:10

- Emergency notice issued due to the Replacement Reserve Service not meeting the Market time line.
- January 23rd at 02:00
 - Austin EMMS servers were unavailable.



- Advisories issued for Adjusted Responsive Reserve (ARR) below 3000 MW.
 - Issued 7 Days.
- No Alert issued for ARR below 2500 MW in January 2009.
- Transmission Alerts:
 - 01/27 08:52 Transmission Alert issued for post contingency overload of San Angelo – Big Lake 69 kV due to forced outages in that area.
- No EECPs in January 2009



• January 7th

 Held IE 06:30 balancing energy deployments for IE 06:45 due to an incorrect offset calculation. Resumed with deployments for IE 07:00.

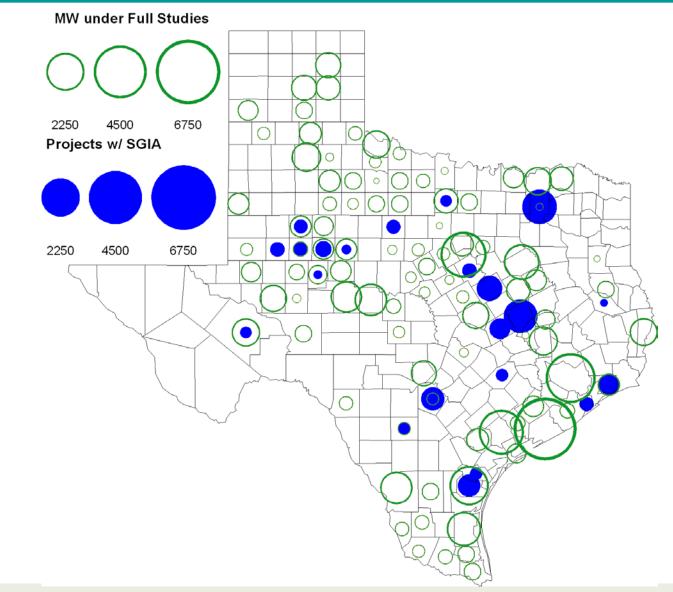


Planning Summary

- ERCOT is currently tracking 261 active generation interconnect requests totaling over 101,000 MW. This includes almost 50,000 MW of wind generation
- Regional Planning is reviewing proposed transmission improvements with a total estimated cost of \$772 million
- All transmission projects (in engineering, routing, licensing and construction) total \$4.1 billion
- Transmission projects approved in 2009 totaled \$41 million
- Transmission projects completed in 2008 totaled \$453 million
- Completed initial RMR determination on Luminant Notice of Suspension of Operations (NSO) submission and released 12 units. Conducting further study before making final determination on three other units. Studies are also underway for initial determination on three units for which NSO was received from CPS Energy



County Location of Interconnection Requests (all fuels)

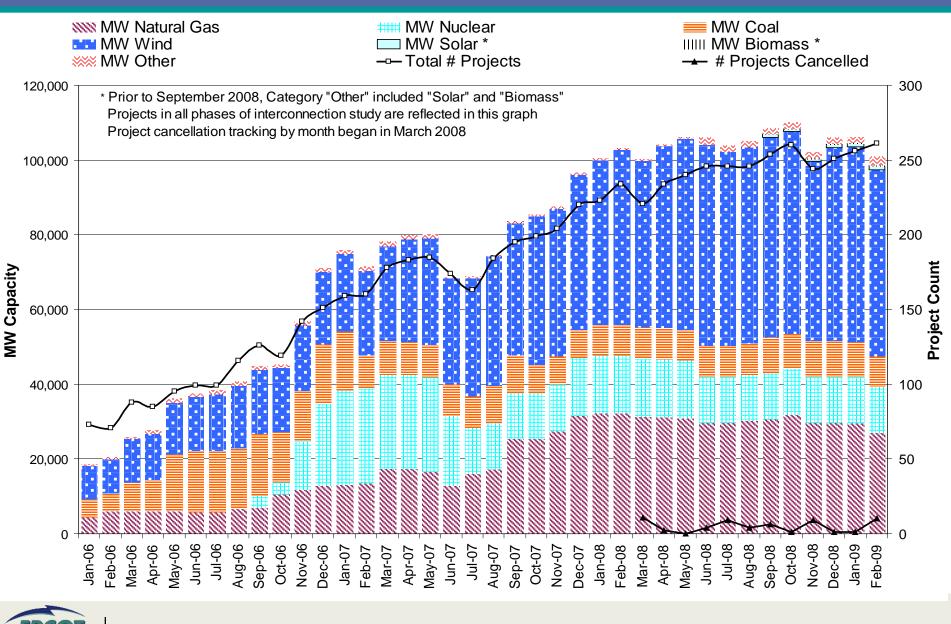


County Location of Interconnection Requests (wind)

Wind Projects MW under Full Studies 750 1500 2250 Wind Projects MW w/ SGIA Ο 2250 750 1500



Generation Interconnection Activity



ERCOT Wind Capacity by Year

MW

