

Grid Operations and Planning Report

ERCOT Board of Directors April 22, 2009

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- Summary
- Generation Interconnection Requests
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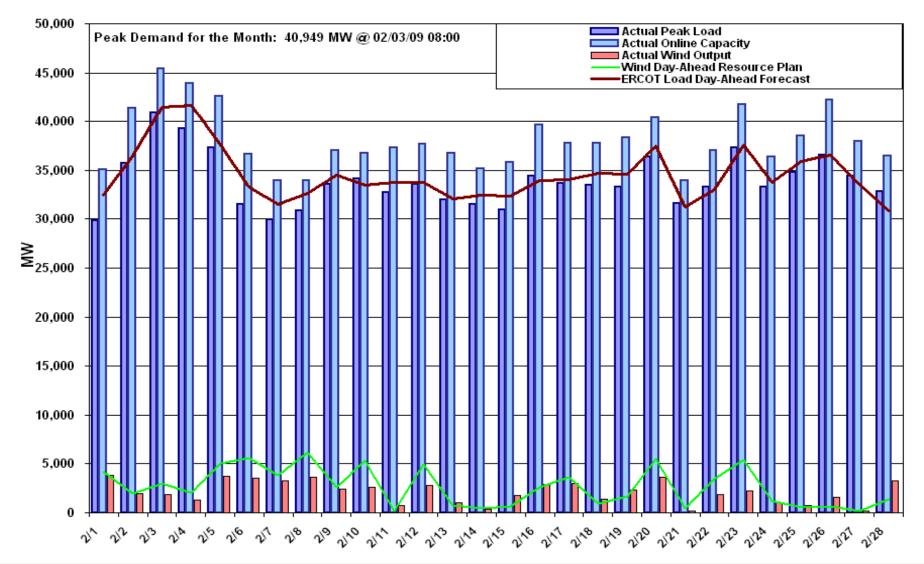
Summary

February 2009 Operations

- The peak demand of 40,949 MW on February 3rd was less than the long term forecast of 45,543 MW for February.
- Day-ahead load forecast error for February was 3.49%.
- Most zonal transmission congestion in February was West to North due to wind generation
- No Alerts for Adjusted Responsive Reserve under 2500 MW, EECP events or transmission alerts.
- 262 active generation interconnect requests totaling over 105,000 MW.
- Completed final RMR determination on Luminant Notice of Suspension of Operations (NSO) submission and selected Permian 5 and 6 for RMR contracts. Will continue to look for other solutions during RMR contract negotiations.
- 8,065 MW wind capacity on line March 31, 2009. No change from January.

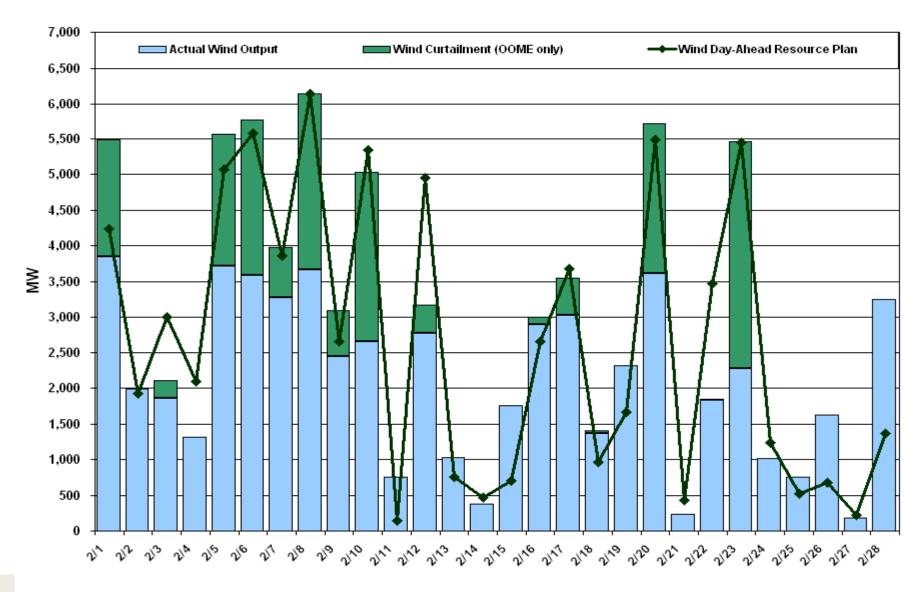


Daily Peak Demand: Hourly Average Actual vs Forecast, Resource Plan & On-line Capacity at Peak



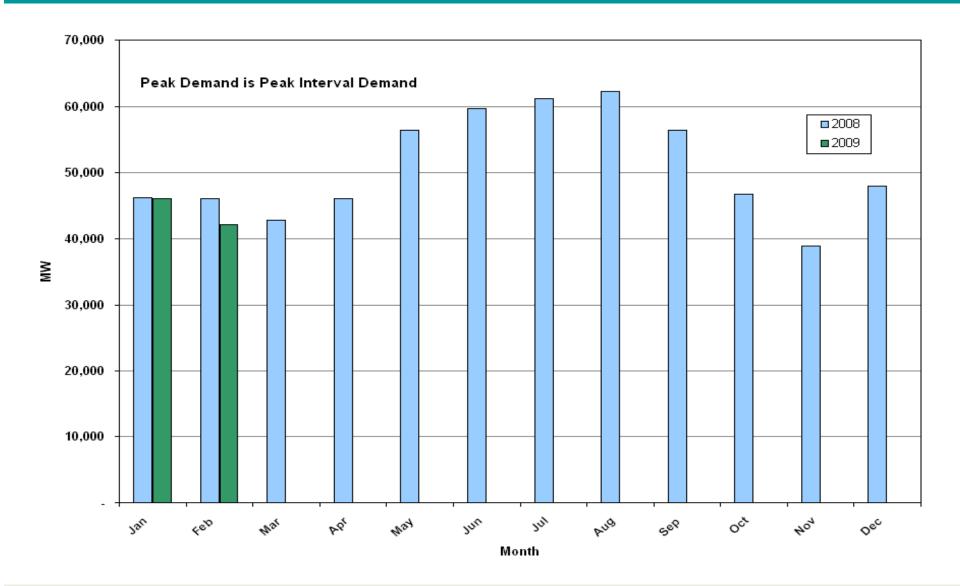


Actual Wind Output w/ Curtailment Added Back Vs Wind Day-Ahead Resource Plan Based on AWS Forecast at Peak Load Hour



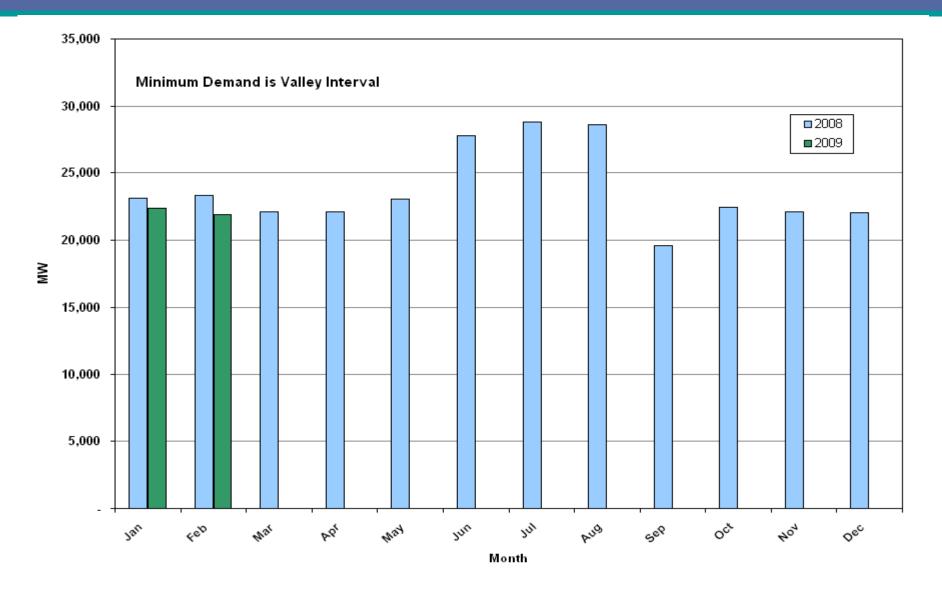


Monthly Peak Demand: Actual





Monthly Minimum Demand: Actual



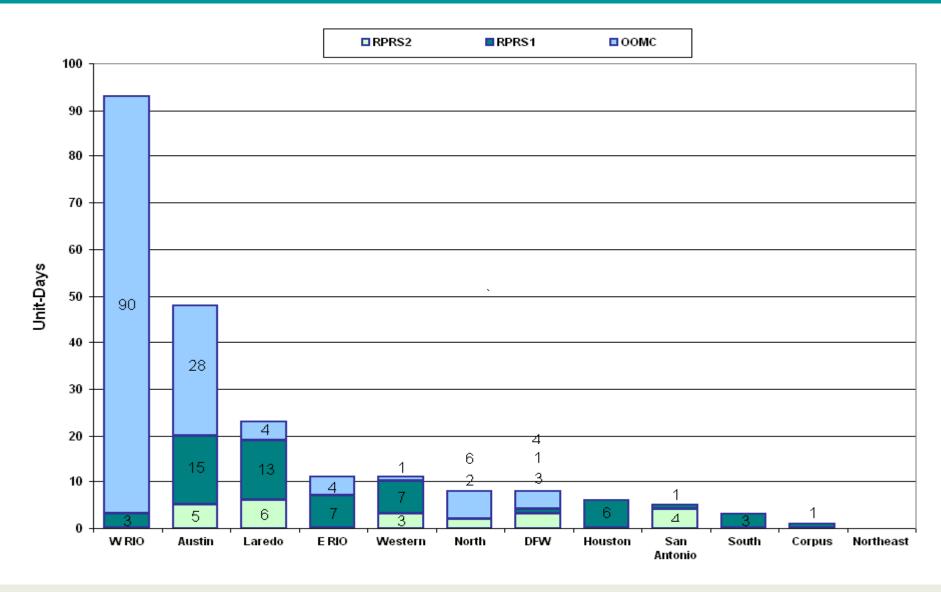


Day-Ahead Load Forecast Performance in February 2009

	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)	February 2009 MAPE			
Average Annual MAPE	3.79	3.55	3.30	3.80	3.49			



Capacity Purchases of RMR, OOMC & RPRS to Manage Local Congestion in February 2009





Zonal Congestion

CSC	Feb 08 Days	Dec 08 Days	Jan 09 Days	February 09 Days	Last 12 Months Total Days (Feb 08 – Feb 09)
North – Houston	0	0	0	0	71
North – West	15	0	0	1 Feb – 15	27
West – North	24	22	19	14 Feb – 4, 5, 9, 11-13, 15, 17, 18, 20-23, 27, 28	208
South - North	2	0	1	0	32
North - South	4	0	2	0	104



Significant Incidents in February 2009

- February 16th at 13:33
 - Emergency notice issued due to the Ancillary Service Market for 02/17/09 not meeting the Market time line.

Advisories and Alerts in February 2009

- Advisories issued for Adjusted Responsive Reserve (ARR) below 3000 MW.
 - Issued 2 Days.
- There was no Alert issued for ARR below 2500 MW in February 2009.
- No Transmission Alerts in February 2009.
- No EECPs in February 2009

Other Items

February 4th

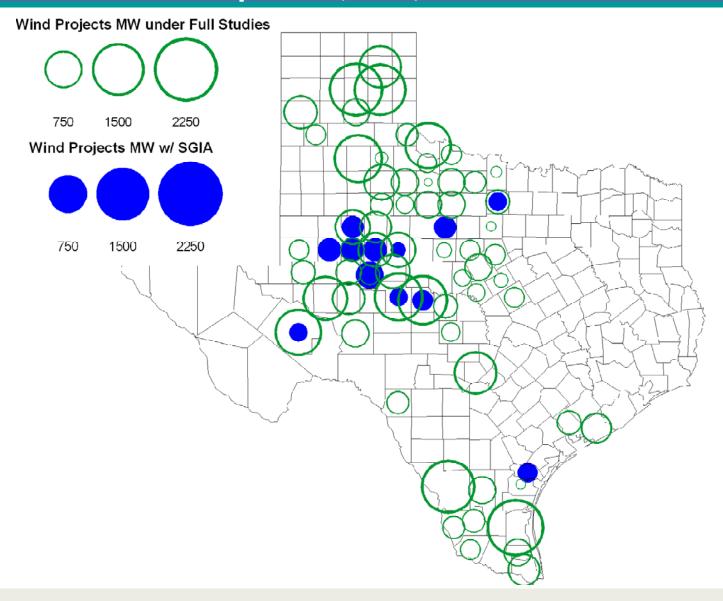
 Held IE 14:15 balancing energy deployments for IE 14:30 due to an incorrect short-term load forecast value. Resumed with deployments for IE 14:45.

Planning Summary

- ERCOT is currently tracking 262 active generation interconnect requests totaling over 105,000 MW. This includes almost 50,000 MW of wind generation
- Regional Planning is reviewing proposed transmission improvements with a total estimated cost of \$1,013 million
- All transmission projects (in engineering, routing, licensing and construction) total \$4.1 billion
- Completed final RMR determination on Luminant Notice of Suspension of Operations (NSO) submission and selected Permian 5 and 6 for RMR. Will continue to look for solutions during RMR contract negotiations.

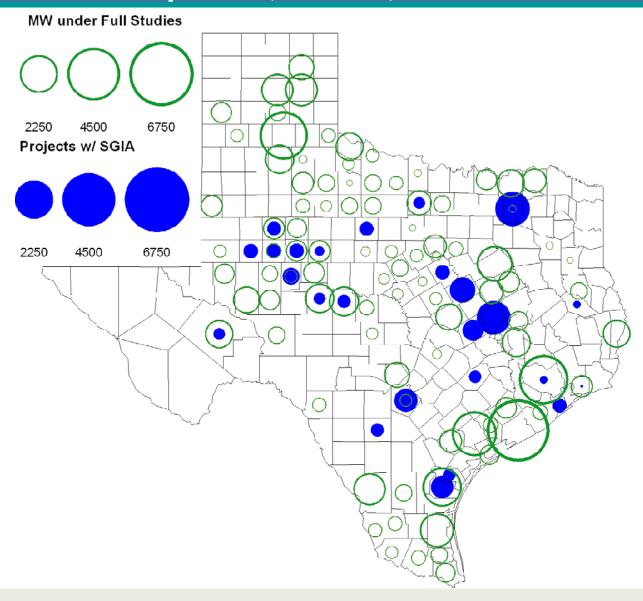


County Location of Installed Capacity and Interconnection Requests (wind) March 2009





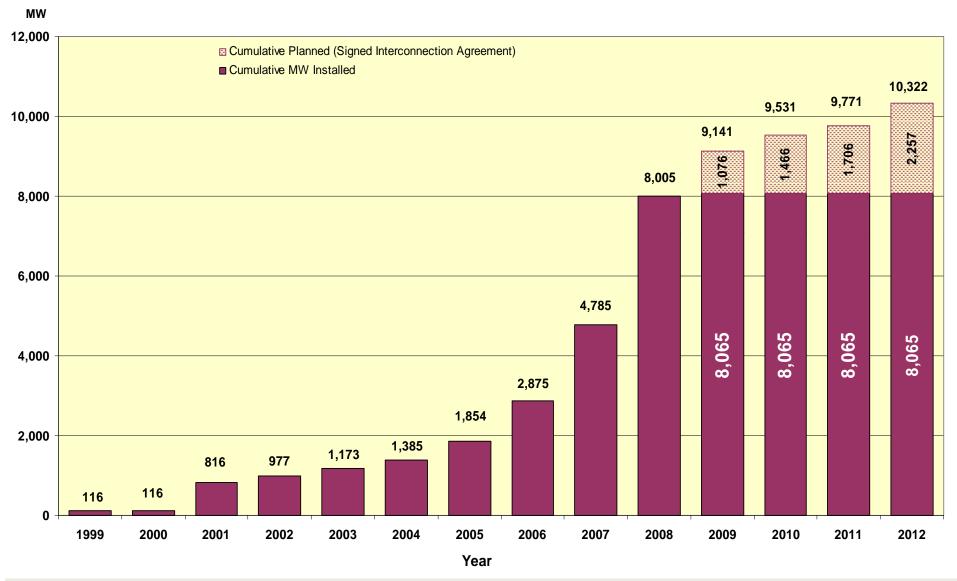
County Location of Installed Generation and Interconnection Requests (all fuels) Mar 2009





22 April 2009

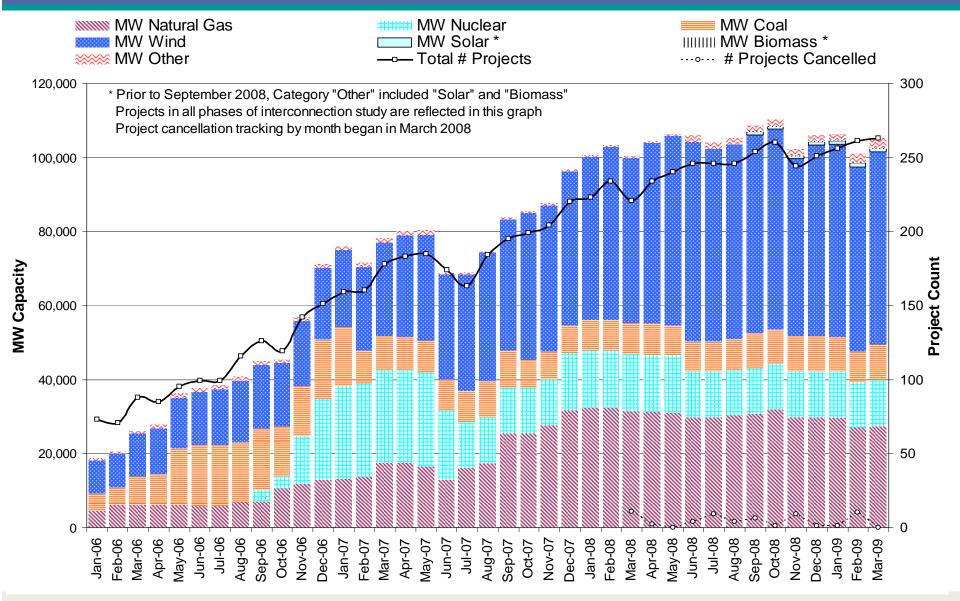
Wind Generation





(as of March 31, 2009) ERCOT Public

Generation Interconnection Activity





Questions?