

Grid Operations and Planning Report

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ERCOT Board of Directors February 16, 2010

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Planning Activities

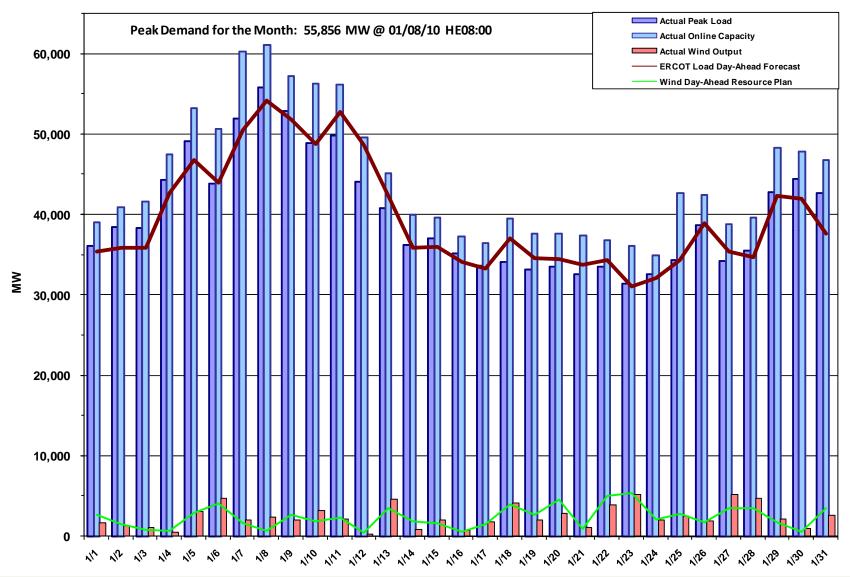
- Summary
- Generation Interconnection Requests
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Summary

January 2010 Operations

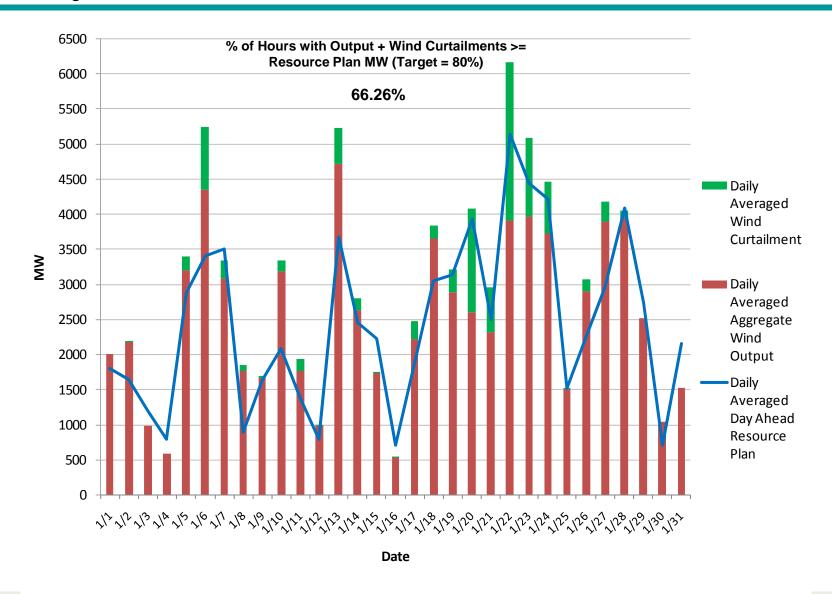
- The peak demand of 55,856 MW on January 8th was more than the long term forecast peak of 54,237 MW. It was also the all-time high winter peak demand for ERCOT.
- Day-ahead load forecast error for January was 3.78%.
- Advisories for Adjusted Responsive Reserve (ARR) below 3000 MW issued 6 days
- Watches for ARR under 2500 MW issued 1 day
- No Energy Emergency Alert (EEA) events
- Two Transmission Watches issued
- 219 active generation interconnect requests totaling over 73,000 MW as of January 31, 2010. Ten requests fewer and 4,000 MW less than December 31, 2009
- 8,916 MW wind capacity on line January 31, 2010. No increase from December.

January 2010 Daily Peak Demand: Hourly Average Actual vs. Forecast, Resource Plan & On-line Capacity at Peak



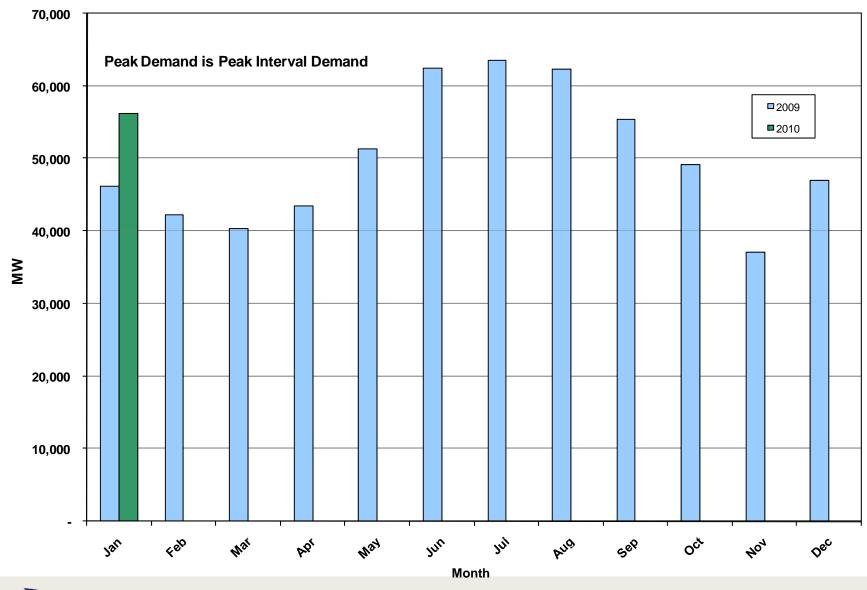


January 2010: Actual Wind Output w/ Curtailment Added Back Vs Wind Day-Ahead Resource Plan Based on AWS Forecast for All Hours

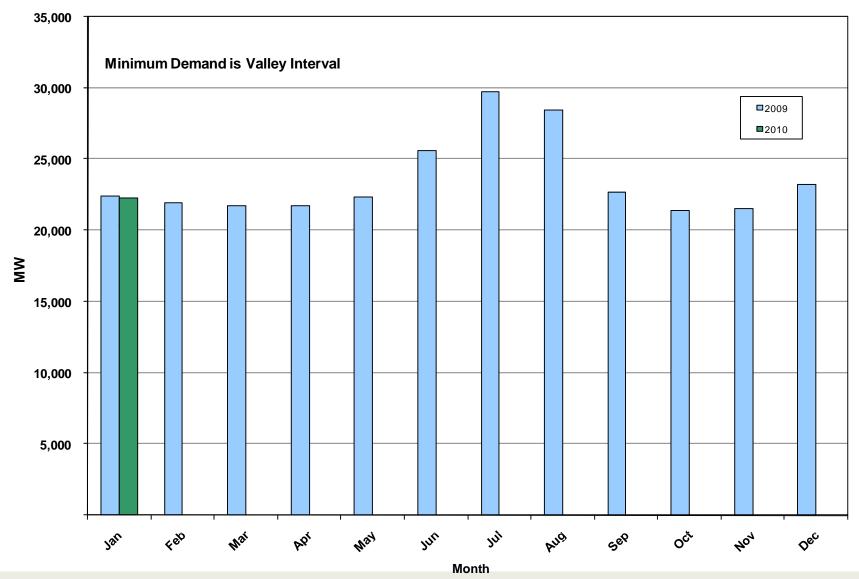




January 2010: Monthly Peak Demand: Actual



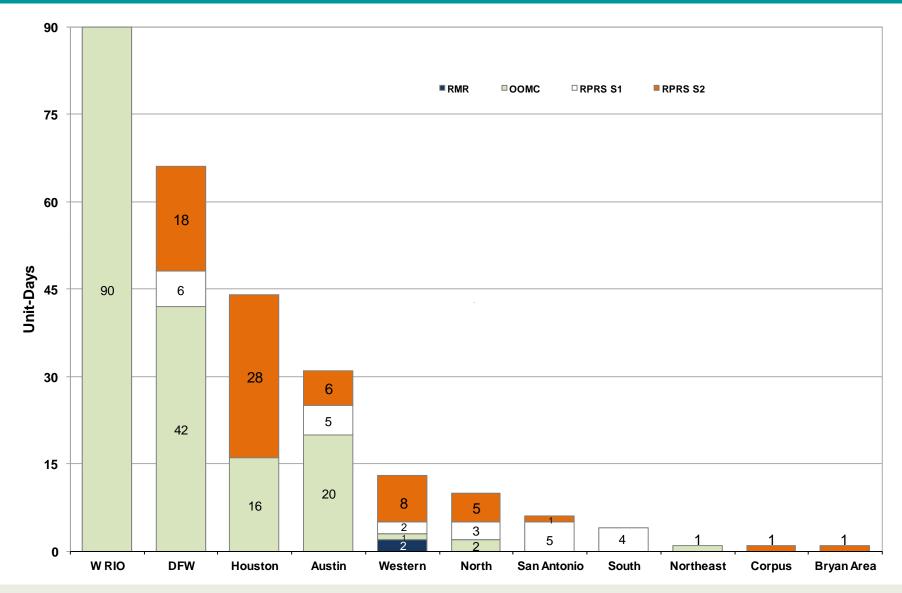
January 2010: Monthly Minimum Demand: Actual



Day-Ahead Load Forecast Performance in January 2010

	Mean Absolute Percent Error (MAPE) for ERCOT Mid-Term Load Forecast (MTLF) Run at 16:00 Day Ahead							
	2007 MAPE	2008 MAPE	2009 MAPE	2010 MAPE (YTD)	January 2010 MAPE			
Average Annual MAPE	3.55	3.30	3.11	3.78	3.78			

Capacity Purchases of RMR, OOMC & RPRS to Manage Local Congestion in January 2010





CSC	Jan 09 Days	Nov 09 Days	Dec 09 Days	Jan 10 Days	Last 12 Months Total Days (Jan 09 – Jan 10)
North – Houston	0	1	0	1 Jan– 11	52
North – West	0	0	0	0	3
West – North	19	2	9	13 Jan- 5-7, 10, 13, 14, 17, 18, 23, 24, 26-28	152
South – North	1	0	3	0	10
North - South	2	2	1	1 Jan-9	40

Significant System Incidents in January 2010

January 8th

Market Emergency Notice issued for RPRS market delay.

January 9th

 Emergency Notice for a NERC Reportable Disturbance Control Standard (DCS) Event (discussed at January Board meeting).

Advisories and Watches in January 2010

- Advisories issued for Adjusted Responsive Reserve (ARR) below 3000 MW.
 - Issued 6 Days.
- Watches issued for ARR below 2500 MW.
 - Issued 1 Day.
- No EEA's in January 2010

Transmission Watches

- January 8th: Transmission Watch issued due to high load. The loss of Dilley Switch - San Miguel Switch 138KV overloads Derby - Pearsall 69KV. ERCOT received emergency energy from CFE across the Laredo VFT and Eagle Pass DC Ties.
- January 9th: Transmission Watch issued due to high load. The loss of Dilley Switch - San Miguel Switch 138KV overloads Derby - Pearsall 69KV. ERCOT received emergency energy from CFE across the Laredo VFT.

Other Items

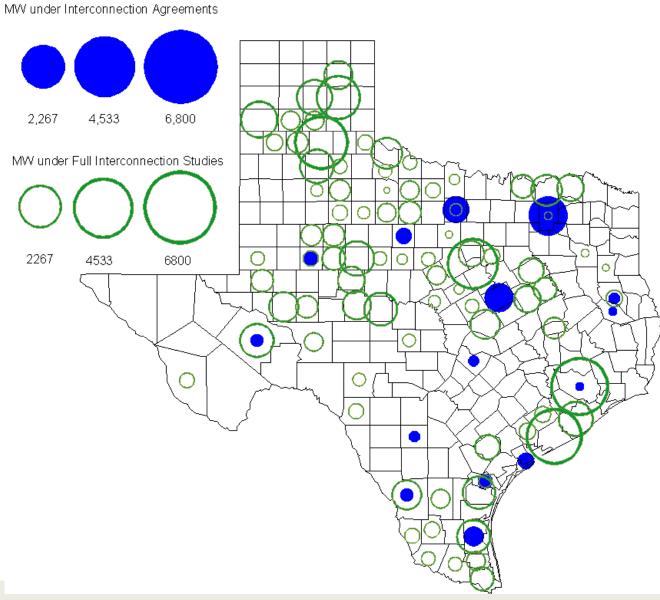
January 26th

 Held Real-time Balancing Market for interval ending 02:15 due to generation schedule change after offset entry. Resumed with interval ending 02:45 deployments.

Planning Summary

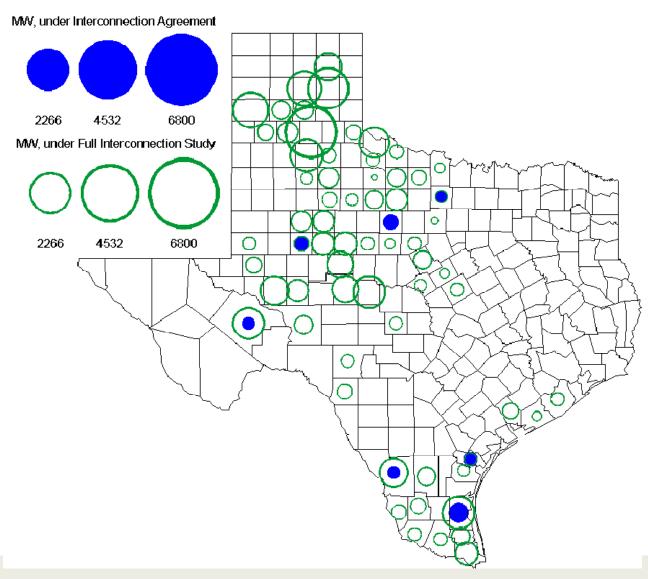
- ERCOT is currently tracking 219 active generation interconnection requests totaling over 73,000 MW. This includes almost 45,000 MW of wind generation.
- Regional Planning is currently reviewing proposed transmission improvements with a total of \$798.0 Million
- Transmission Projects approved in 2009 total \$405.1 Million
- All projects (in engineering, routing, licensing and construction) total approximately \$9.5 Billion
- Transmission Projects energized in 2009 total about \$538.6 million

County Location of Planned Generation with Interconnection Requests (all fuels) January 2010



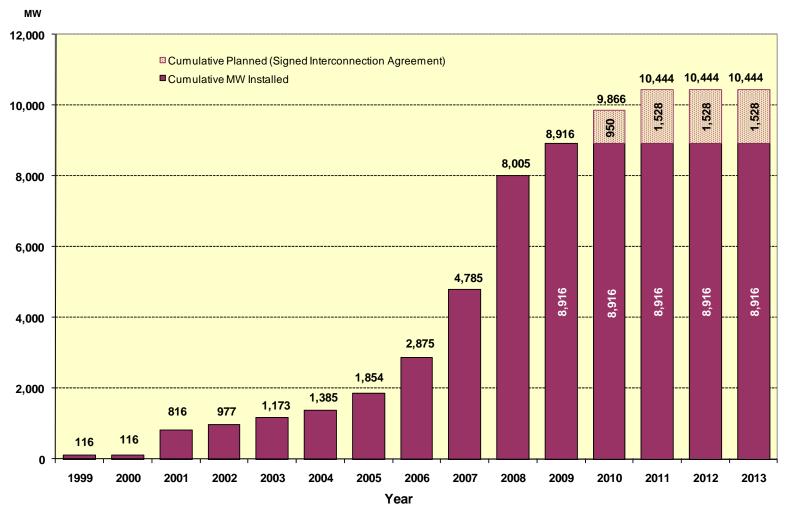


County Location of Planned Generation with Interconnection Requests (Wind) January 2010





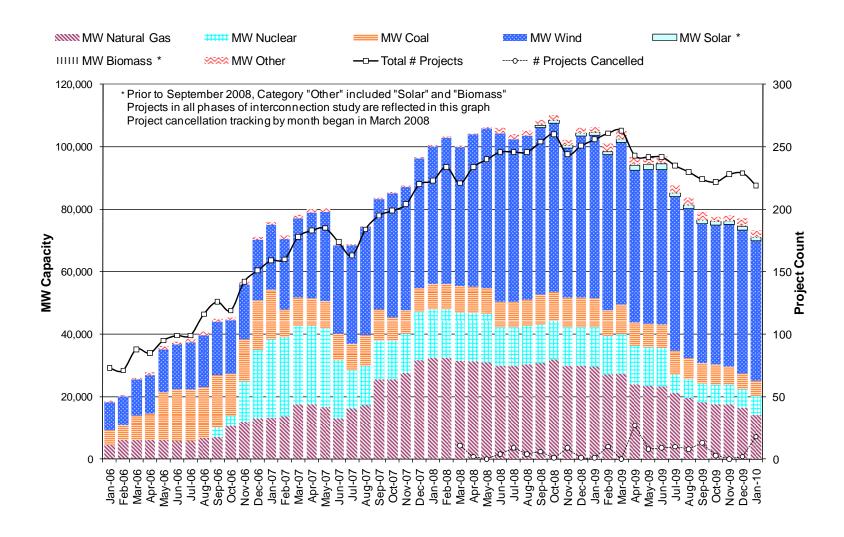
Wind Generation



as of January 31, 2010



Generation Interconnection Activity by Fuel





Generation Interconnection Activity by Project Phase

