



# January 2008 Grid Operations

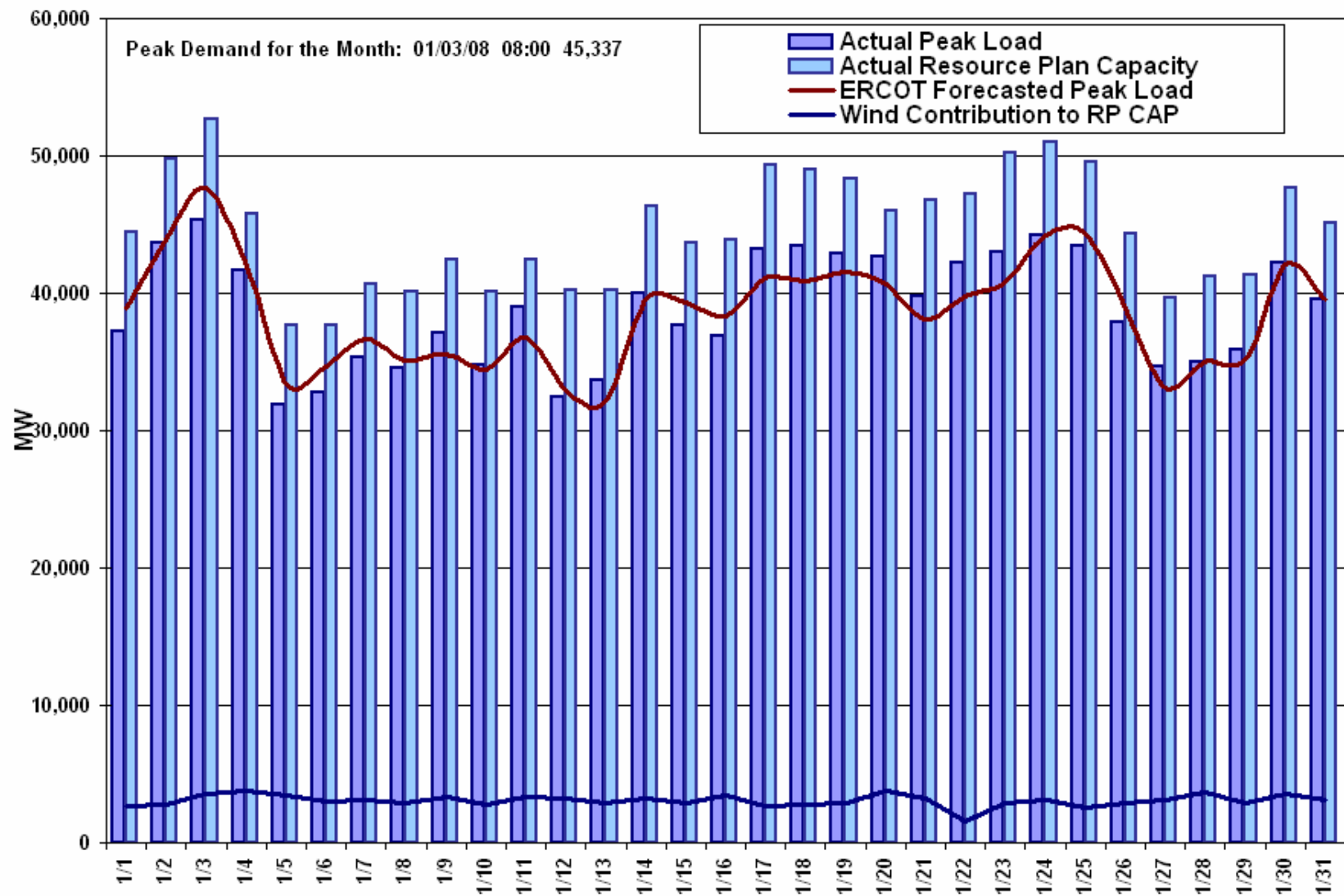
March 18, 2008

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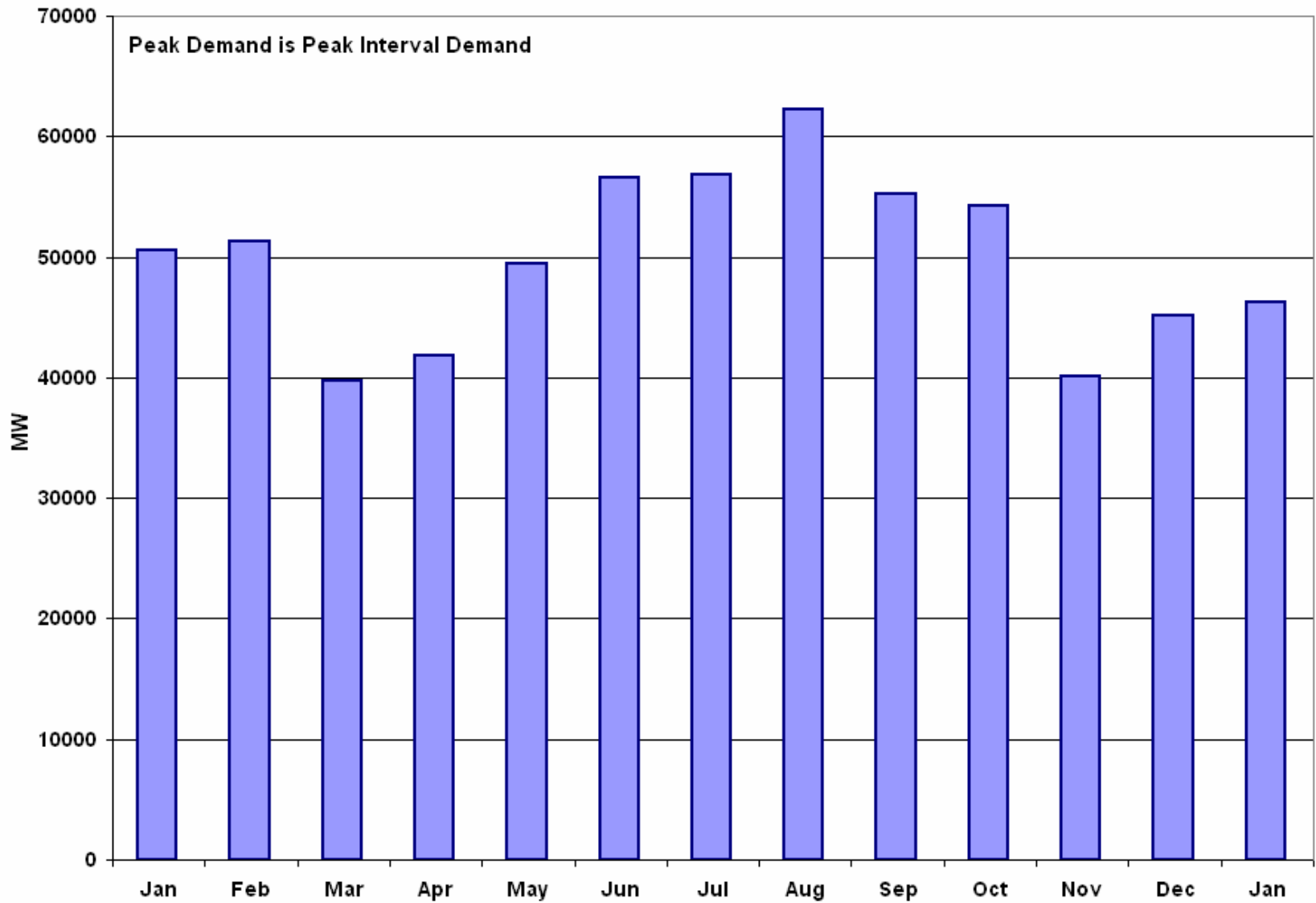
# Daily Peak Demands: Hourly Average Actual vs Forecast

## Resource Plan: On-line Capacity at Peak



Note: Preliminary data obtained from EMS hourly averages.

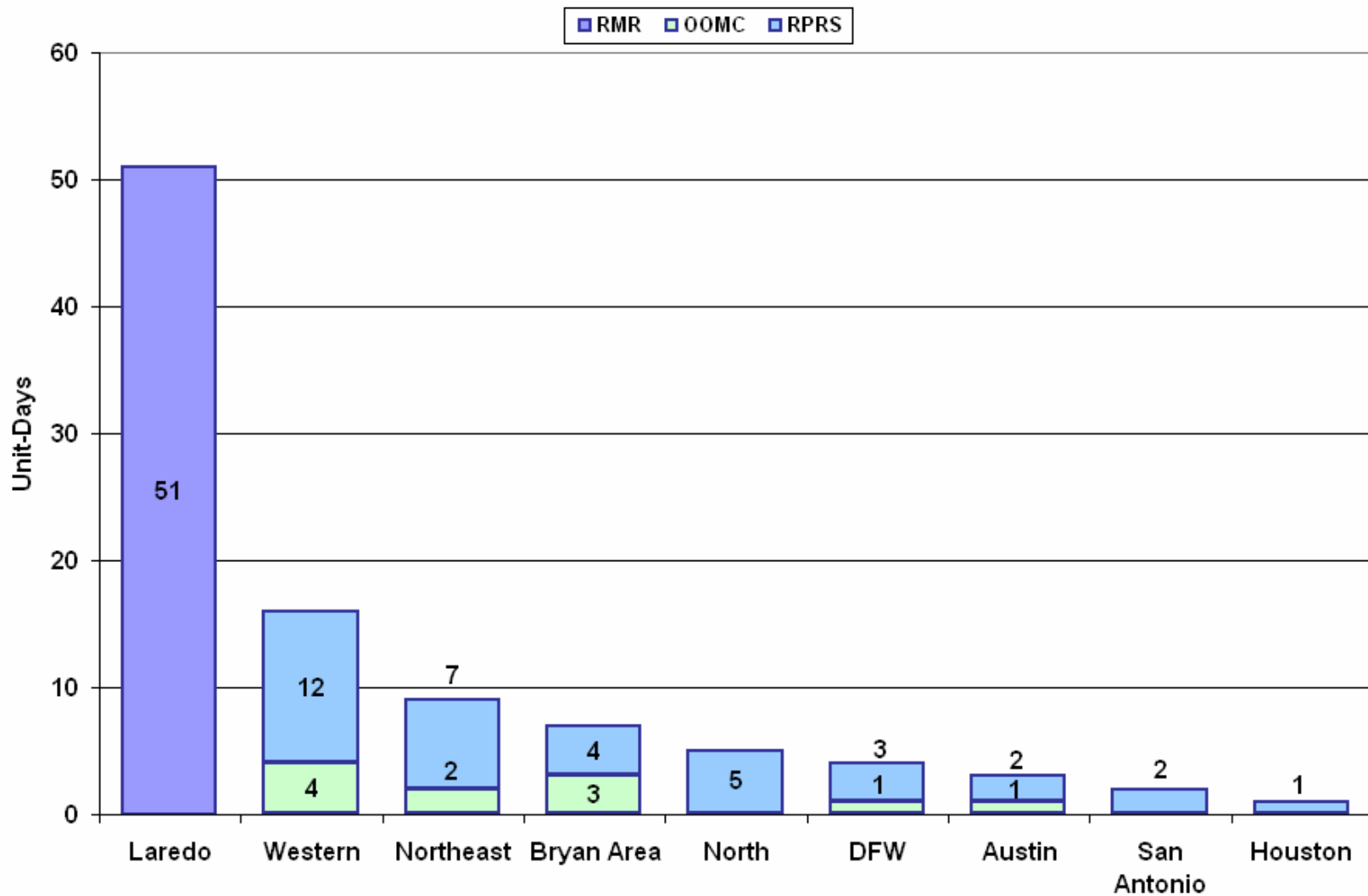
# Monthly Peak Demands: Actual



# Load Forecast Performance in January 2008

	Mean Absolute Percent Error (MAPE) for Mid-Term Load Forecast (MTLF) Run at 16:00 Day Ahead				
	2005 MAPE	2006 MAPE	2007 MAPE	2008 MAPE (YTD)	January 2008 MAPE
Average Annual MAPE	4.56	3.79	3.55	3.30	3.30

# Capacity Purchases for RMR OOMC & RPRS to Manage Local Congestion in January 2008



# Zonal Congestion

<b>CSC</b>	<b>Jan 08 Days</b>	<b>Jan 07 Days</b>	<b>Last 12 Months Total Days</b>
<b>North – Houston</b>	0	0	76
<b>North – West</b>	9 Jan – 8,17,22,23,24,25,26,30,31	1	43
<b>West – North</b>	7 Jan – 3,4,5,6,9,20,21	0	40
<b>South – North</b>	5 Jan – 19,21,22,23,28	0	16
<b>North - South</b>	8 Jan – 4,5,6,8,14,15,16,20	N/A	8

# Significant System Incidents in January 2008

- **January 1<sup>st</sup>**
  - New North – South CSC implemented.
- **January 22<sup>nd</sup>**
  - Trip/close of a 345 kV line in the Western zone isolated 6 units for roughly 25 cycles, 5 units totaling 420 MW tripped. Frequency recovered in 1.5 minutes.
- **January 29<sup>th</sup>**
  - Benbrook – Decordova & Everman & Parker Switch and Wolf Hollow – Rock Creek 345 kV lines and Benbrook 345/138 kV autotransformer tripped. (Not simultaneous) Reported range fires in the area.



## Advisories and Alerts in January 2008

- **Advisories issued for Adjusted Responsive Reserve (ARR) below 3000 MW.**
  - Issued 6 Days.
- **Alerts issued for ARR below 2500 MW.**
  - None
- **Transmission Alerts (Operation above single contingency limits):**
  - None
- **EECP**
  - No EECPs implemented.

- **December 31**
  - 10:15 - 15:00 Day-Ahead A/S Obligations re-published due to Responsive Reserve Obligation issues. New application for 2008 was not accounted for in listing the Responsive Reserve Obligation value.
- **January 1**
  - 0:00 - 2:00 Eight held balancing intervals.
    - Replacement Reserve Service study failure and the held intervals were due to congestion zone changes which resulted in a duplicate record after testing.
- **January 18<sup>th</sup> – 20<sup>th</sup>**
  - RPRS failure to meet Day-Ahead time-line. New code migration slowed down execution of RPRS.