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ERCOT OPERATIONS MONTHLY REPORT – JULY 2007

July 2007

Kent Saathoff, Vice President
ERCOT System Operations

Joel Mickey, Director
Wholesale Market Operations Systems
**Acronyms**

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<th>Description</th>
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<tr>
<td>AS</td>
<td>Ancillary Service</td>
</tr>
<tr>
<td>BES</td>
<td>Balancing Energy Service</td>
</tr>
<tr>
<td>DBES</td>
<td>Down Balancing Energy Service</td>
</tr>
<tr>
<td>DRS</td>
<td>Down Regulation Service</td>
</tr>
<tr>
<td>LBE</td>
<td>Local Balancing Energy</td>
</tr>
<tr>
<td>MCPC</td>
<td>Market Clearing Price for Capacity</td>
</tr>
<tr>
<td>MCPE</td>
<td>Market Clearing Price for Energy</td>
</tr>
<tr>
<td>NSRS</td>
<td>Non-Spinning Reserve Service</td>
</tr>
<tr>
<td>OOMC</td>
<td>Out of Merit Capacity</td>
</tr>
<tr>
<td>OOME</td>
<td>Out of Merit Energy</td>
</tr>
<tr>
<td>QSE</td>
<td>Qualified Scheduling Entity</td>
</tr>
<tr>
<td>RMR</td>
<td>Reliability Must Run</td>
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<tr>
<td>RPRS</td>
<td>Replacement Reserve Service</td>
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<tr>
<td>RRS</td>
<td>Responsive Reserve Service</td>
</tr>
<tr>
<td>UBES</td>
<td>Up Balancing Energy Service</td>
</tr>
<tr>
<td>URS</td>
<td>Up Regulation Service</td>
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</tbody>
</table>
Daily Peak Demand

Peak Demand for the Month: 7/12/07 16:30 56793

Peak Demand is Peak Interval Demand

Daily Average Temperature in Four Congestion Management Zones

Instances of CSC Congestion

SN NH SH NW WN
Market Operation

Ancillary Services
13 Month Review of Average Hourly Procurement by Ancillary Service

Average MCPC by Ancillary Service

13 Month Review of Average MCPC by Ancillary Service
Average UBES Deployment in Five Zones

Average DBES Deployment in Five Zones

13 Month Review of UBES Deployment

13 Month Review of DBES Deployment
Balancing Energy
Energy Purchased Through ERCOT

(PRR404: Any Balancing Energy scheduled through the ERCOT Scheduling process)
Average Balancing Energy Scheduled for Purchase Through ERCOT by Interval (MWh)

Balancing Energy
% of Total ERCOT Energy Requirement
Average BES Deployed: as a Percentage of Total Energy Requirement

13 Month Review of Average BES Deployed: as A Percentage of Total Energy Requirement

Balancing Energy
Average MCPE
Average MCPE in Four Zones

Average MCPE at Each Interval for Four Zones

13 Month Review of MCPE

Average Fuel Index
Balancing Energy
Average Shadow Price
Cost Summary

Note: There is not a price for self-arranged Ancillary Services. MCPC is used to calculate the cost for self-arrangement.
Ancillary Service Deployment Cost

- DRS
- URS
- RRS
- NSRS

Total w/DRS: $3.95 Million  Total w/o DRS: $6.04 Million

13 Month Review of Ancillary Service Deployment Cost

- DRS
- URS
- RRS
- NSRS

Total w/DRS: $12.32 Million  Total w/o DRS: $69.48 Million

RMR Cost (Initial Settlement)

- Energy
- Stand By
- Start Up
- BENA Credit

RMR Net Cost (Initial Settlement)

- Total Net Cost $2.68 Million
The historical data gathered from the monthly reports has been compiled into an Excel workbook which will be updated and posted along with this report at the following link:


Please contact Shuye Teng at 512-248-3998 or email at steng@ercot.com should you have any questions.

*Note:
1. Trade dates thru 6/30/07 complete with Initial Settlement data, using estimated eligible costs.
2. Trade dates thru 5/13/07 complete with Final Settlement data, using verifiable actual cost data provided by the RMR Unit owner.