Addendum: Map of Local Congestion Areas (charts on pages 30 & 31)

13 Month Review of Cost Summary

ERCOT System Operations

Kent Saathoff, Vice President
ERCOT System Operations

Joel Mickey, Director
Wholesale Market Operations Systems
## Acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<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>
</tr>
<tr>
<td>RPRS</td>
<td>Replacement Reserve Service</td>
</tr>
<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: 4/03/07 17:00 41794

13 Month Review of Peak Demand

Peak Demand is Peak Interval Demand

Daily Average Temperature in Four Congestion Management Zones

Instances of CSC Congestion

Number of Intervals
Market Operation

Ancillary Services

Average Hourly Procurement by Ancillary Service

13 Month Review of Average Hourly Procurement by Ancillary Service
Balancing Energy

Average Balancing Energy Deployed
Balancing Energy
Energy Purchased Through ERCOT

(PRR404: Any Balancing Energy scheduled through the ERCOT Scheduling process)
13 Month Review of Total Balancing Energy Scheduled for Purchase through ERCOT (GWh)

Average Balancing Energy Scheduled for Purchase Through ERCOT by Interval (MWh)
Balancing Energy

% of Total ERCOT Energy Requirement
Balancing Energy

Average MCPE
13 Month Review of MCPE

Balancing Energy
Average Shadow Price
Note: There is not a price for self-arranged Ancillary Services. MCPC is used to calculate the cost for self-arrangement
13 Month Review of OOMC Cost At Final Settlement and True Up

OOMC Payment (Total: $74.06)
RPRS Step 1
RPRS Step 2

RMR Cost (Initial Settlement)

Energy
Stand By
Start Up
BENA Credit

RMR Net Cost (Initial Settlement)

Total Net Cost $2.72 Million
*Note:

1. Trade dates thru 4/30/07 complete with Initial Settlement data, using estimated eligible costs.

2. Trade dates thru 3/17/07 complete with Final Settlement data, using verifiable actual cost data provided by the RMR Unit owner.
Local Congestion Cost By Instruction Type by Day

- OOMC
- Manual OOME On
- Manual OOME Up
- LBE-operate at or above level
- LBE-operate at or below level
- RPRS STEP1

Total $8.80 Million

Top Ten Local Energy Deployment Cost by Local Constraints

Top Ten Total: $3.93 Million

(Does not include OOMC)
Note:

1. DBES cost is a credit to system costs and therefore is shown as a negative number here to differentiate it from the other types of Reliability Costs.

2. BES deployment costs include two parts: the cost for Power Balance and the cost for CSC Congestion. Due to Relaxed Balanced Schedule, the cost paid for Power Balance covers both the difference between ERCOT load forecast and QSE’s schedule and the amount of energy that QSEs intend to buy from Real-Time Energy market.

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:

Addendum: Map of Local Congestion Areas (charts on pages 30 & 31)

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