Demand Response – Cold Days Report

• This report is meant to provide a quick snap shot of Demand Response activity during periods when PJM experienced tight supply conditions. The following charts illustrate:
  – All economic demand response dispatched or cleared in day ahead energy market across PJM.
  – All emergency demand response (known as “load management” or “DR”) capacity resources dispatched by PJM.

• Quick summary:
  – January 22nd – Long and Short Lead Emergency (DR) resources dispatched in BGE and PEPCO Zones. Maximum Hourly CSP emergency energy load reduction = 165 MW.

• Notes:
  – CSP emergency energy load reductions are significantly different than capacity commitment because resources were dispatched outside availability window (e.g. summer) and measured based on emergency energy reduction (customer baseline type approach) and not capacity compliance (firm service level type approach).
  – Expected energy load reductions are provided by CSPs in advance of event as required by PJM market rules to be used for PJM dispatch decisions.
  – Detailed list of all emergency events: http://www.pjm.com/~/media/planning/res-adeq/load-forecast/alm-history.ashx
Demand Response in PJM: January 22, 2014

Notes:
Emergency DR Amounts are Emergency Energy Settlement Reductions.
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Demand Response in PJM: January 24, 2014

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Emergency DR Amounts are Emergency Energy Settlement Reductions.
APS, DOM, and Mid-Atlantic Instantaneous Load

January 24, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30</td>
<td>APS, DOM, Mid-Atlantic Zones Short Lead Notified</td>
</tr>
<tr>
<td>5:30</td>
<td>APS, DOM, Mid-Atlantic Zones Long Lead Activated</td>
</tr>
<tr>
<td>6:30</td>
<td>APS, DOM, Mid-Atlantic Zones Long Lead Activated</td>
</tr>
<tr>
<td>8:45</td>
<td>APS, DOM, Mid-Atlantic Zones Short and Long Lead Released</td>
</tr>
</tbody>
</table>

MW
Cold Weather DR load reductions
January 7, 8, 22, 23 and 24, 2014

Notes:
1) DR events dispatched during non-compliance period.
2) Expected Energy Load Reductions (MW) - CSP reported estimate based on current market rule
3) MW value is average hourly load reduction for non-ramp in hours
4) Event on Jan 8 was cancelled prior to official start time. PJM allowed CSPs to settle if their load reduction had already started (or needed run for 2 hours).