Load Management Summer Readiness

June 2017

DRS
Topics

• LM Product comparison

• Expected Reduction Data Submission Requirements Review

• Scheduling Test and Re-Tests
<table>
<thead>
<tr>
<th>Product</th>
<th>Availability Days of Week</th>
<th>Hours of Day Required to Respond in Summer Period (EPT)</th>
<th>Maximum Duration of Interruption (Hours)</th>
<th>Maximum Number of Interruptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited DR</td>
<td>Non-holiday Weekdays</td>
<td>Noon - 20:00</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>Extended Summer DR</td>
<td>All</td>
<td>10:00 - 22:00</td>
<td>10</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Annual DR</td>
<td>All</td>
<td>10:00 - 22:00</td>
<td>12</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Capacity Performance DR</td>
<td>All</td>
<td>10:00 - 22:00</td>
<td>12</td>
<td>Unlimited</td>
</tr>
</tbody>
</table>
Expected Reduction Data Submission Requirements

- Submission of estimated hourly load reduction data:
  - Provides better operational transparency to PJM operators
  - Applies to CSPs with both Full Emergency and Capacity Only registrations
  - Input into LMP formation during LM events

- Data to be submitted electronically to PJM via DR Hub
  - Link to template:

- Data reporting values are the CSP’s estimated load reductions by Resource Type, Product, Zone and Lead Time
  - Example: Pre-Emergency, Annual DR, DOM zone, Quick_30 Lead Time
• CSPs should contact emergency resources, review and update, as needed, estimated operational load reduction data as per the following schedule:

<table>
<thead>
<tr>
<th>Months/System Conditions</th>
<th>Submission Frequency</th>
<th>Updates Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>June thru September</td>
<td>Submit Monthly (last business day of preceding month)</td>
<td>4 p.m. on day prior to operating day (also see Max Emergency Generation Alert/Action)</td>
</tr>
<tr>
<td>October thru May</td>
<td>Submit Monthly (last business day of preceding month)</td>
<td>when significant change (also see Max Emergency Generation Alert/Action)</td>
</tr>
<tr>
<td>When under Maximum Emergency</td>
<td>Review hourly from 10 a.m. to 7 p.m.</td>
<td>each hour</td>
</tr>
<tr>
<td>Generation Alert/Action</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Scheduling LM Tests and Re-Tests

• CSPs schedule one hour tests, and re-tests, by product and zone:
  – Examples:
    • CSP A tests Limited DR LM resources in PECO zone
    • CSP B tests Capacity Performance DR in ATSI zone

• Scheduling time periods by product:
  – Limited DR
    • Non-holiday weekdays
    • Between 12 noon and 2000 (EPT)
    • June thru September
  – Extended Summer, Annual and Capacity Performance DR
    • Non-holiday weekdays
    • Between 1000 – 2200 (EPT)
    • June through October plus following May

• Must be scheduled in DR Hub at least 48 hours prior to test start time
  – Contact PJM if need to cancel an event within 48 hours of start time