DR Registration aggregation example for CP

DRS
October 27, 2015
Aggregate Registration capacity nomination process

- CSP must ensure that sum of nominated MWs on all registrations reflects resource capability for entire year for required hours.

<table>
<thead>
<tr>
<th>eRPM resource</th>
<th>Registration</th>
<th>EDC Acct #</th>
<th>Summer Capability (MW)</th>
<th>Winter Capability (MW)</th>
<th>Capacity Nomination</th>
</tr>
</thead>
<tbody>
<tr>
<td>PECO resource</td>
<td>Registration A</td>
<td>1029384710</td>
<td>10</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>999128347</td>
<td>0</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

10 MW is annual capability

PJM will allow locations to be aggregated on same registration if they have “season only” capability.
Example: Registration aggregate compliance calculation

<table>
<thead>
<tr>
<th>eRPM Resource</th>
<th>eLRS Registration</th>
<th>EDC Acct #</th>
<th>PLC</th>
<th>Capacity Loss Factor</th>
<th>CBL</th>
<th>Load</th>
<th>Load * losses</th>
<th>Load Reductions (w/losses)</th>
<th>CBL</th>
<th>Load</th>
<th>Load Reductions</th>
<th>Load Reduction (w/losses)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PECO CP</td>
<td>CP_SkiSlope</td>
<td>98237410290</td>
<td>1</td>
<td>1.05</td>
<td>1</td>
<td>1</td>
<td>1.05</td>
<td>-0.05</td>
<td>4</td>
<td>1</td>
<td>3.00</td>
<td>3.15</td>
</tr>
<tr>
<td></td>
<td>CP_Commercial1 AC</td>
<td>80189273488</td>
<td>2</td>
<td>1.05</td>
<td>2</td>
<td>0.7</td>
<td>0.74</td>
<td>1.27</td>
<td>1.5</td>
<td>1.75</td>
<td>-0.25</td>
<td>-0.26</td>
</tr>
<tr>
<td></td>
<td>CP_Commercial2 AC</td>
<td>71280398411</td>
<td>2</td>
<td>1.05</td>
<td>2</td>
<td>1.1</td>
<td>1.16</td>
<td>0.85</td>
<td>1.5</td>
<td>1.25</td>
<td>0.25</td>
<td>0.26</td>
</tr>
<tr>
<td></td>
<td>CP_Commercial3 AC</td>
<td>71280398413</td>
<td>2</td>
<td>1.05</td>
<td>2</td>
<td>1.3</td>
<td>1.37</td>
<td>0.64</td>
<td>1.5</td>
<td>1.5</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Registration Nomination

- Firm Service Level: 4
- Nominated Icap: 2.8

<table>
<thead>
<tr>
<th></th>
<th>CBL = PLC</th>
<th>CBL = Economic CBL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shortfall - Potential Penalty</td>
<td>Performance (ICAP) = -0.11</td>
<td>Performance (ICAP) = 0.35</td>
</tr>
</tbody>
</table>

Assume commitment is same as nominated amount

Over – Potential Bonus Payment

CBL = PLC

CBL = Economic CBL