2017/18 Load Management Report
(Final)

Jack O'Neill
Demand Response Operations
DRS
9/25/2018
• No Load Management events in 2017/18 DY
  – As a result, performance is demonstrated by testing
• Contains test data for all Product Types
  – Limited DR
  – Extended Summer DR
  – Annual DR
  – Capacity Performance DR

• Link to report:
### Annual Performance Summary

Only events with mandatory compliance are included.

<table>
<thead>
<tr>
<th>Delivery year</th>
<th>Event performance</th>
<th>Test performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009/10</td>
<td>No Events</td>
<td>118%</td>
</tr>
<tr>
<td>2010/11</td>
<td>100%</td>
<td>111%</td>
</tr>
<tr>
<td>2011/12</td>
<td>91%</td>
<td>107%</td>
</tr>
<tr>
<td>2012/13</td>
<td>104%</td>
<td>116%</td>
</tr>
<tr>
<td>2013/14</td>
<td>94%</td>
<td>129%</td>
</tr>
<tr>
<td>2014/15</td>
<td>No Events</td>
<td>144%</td>
</tr>
<tr>
<td>2015/16</td>
<td>No Events</td>
<td>134%</td>
</tr>
<tr>
<td>2016/17</td>
<td>No Events</td>
<td>153%</td>
</tr>
<tr>
<td>2017/18</td>
<td>No Events</td>
<td>163%</td>
</tr>
</tbody>
</table>
Load Management Capacity Commitment

*Note future commitments may change based on replacement transactions, Incremental Auctions, etc.
DY2017/18 Committed ICAP for DR

Predominant type noted in each column
<table>
<thead>
<tr>
<th>Product</th>
<th>Test commitment (MW)*</th>
<th>Reduction (MW)</th>
<th>Over/under performance (MW)</th>
<th>Performance</th>
<th>Re-test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited</td>
<td>2,107</td>
<td>3,321</td>
<td>1,214</td>
<td>157%</td>
<td>1.2%</td>
</tr>
<tr>
<td>Extended Summer</td>
<td>4,689</td>
<td>8,379</td>
<td>3,690</td>
<td>179%</td>
<td>1.2%</td>
</tr>
<tr>
<td>Annual</td>
<td>822</td>
<td>952</td>
<td>130</td>
<td>116%</td>
<td>0%</td>
</tr>
<tr>
<td>Capacity Performance</td>
<td>493</td>
<td>597</td>
<td>104</td>
<td>121%</td>
<td>0%</td>
</tr>
<tr>
<td>Total</td>
<td>8,111</td>
<td>13,250</td>
<td>5,139</td>
<td>163%</td>
<td>1%</td>
</tr>
<tr>
<td>Zone</td>
<td>Test commitment (MW)*</td>
<td>Reduction (MW)</td>
<td>Over/under performance (MW)</td>
<td>Performance</td>
<td>Re-test</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------</td>
<td>----------------</td>
<td>-----------------------------</td>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>AECO</td>
<td>103</td>
<td>171</td>
<td>67</td>
<td>165%</td>
<td>2.0%</td>
</tr>
<tr>
<td>AEP</td>
<td>1,380</td>
<td>1,626</td>
<td>246</td>
<td>118%</td>
<td>2.5%</td>
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<tr>
<td>APS</td>
<td>580</td>
<td>651</td>
<td>71</td>
<td>112%</td>
<td>0.0%</td>
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<tr>
<td>ATSI</td>
<td>768</td>
<td>987</td>
<td>219</td>
<td>128%</td>
<td>0.9%</td>
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<tr>
<td>BGE</td>
<td>583</td>
<td>2,315</td>
<td>1,731</td>
<td>397%</td>
<td>0.0%</td>
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<tr>
<td>COMED</td>
<td>1,269</td>
<td>1,599</td>
<td>330</td>
<td>126%</td>
<td>0.0%</td>
</tr>
<tr>
<td>DAY</td>
<td>154</td>
<td>198</td>
<td>44</td>
<td>129%</td>
<td>3.1%</td>
</tr>
<tr>
<td>DEOK</td>
<td>190</td>
<td>341</td>
<td>151</td>
<td>180%</td>
<td>1.8%</td>
</tr>
<tr>
<td>DOM</td>
<td>543</td>
<td>615</td>
<td>72</td>
<td>113%</td>
<td>1.5%</td>
</tr>
<tr>
<td>DPL</td>
<td>327</td>
<td>1,066</td>
<td>738</td>
<td>326%</td>
<td>3.7%</td>
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<tr>
<td>DUQ</td>
<td>112</td>
<td>145</td>
<td>33</td>
<td>130%</td>
<td>2.2%</td>
</tr>
<tr>
<td>EKPC</td>
<td>115</td>
<td>217</td>
<td>102</td>
<td>188%</td>
<td>0.0%</td>
</tr>
<tr>
<td>J CPL</td>
<td>95</td>
<td>125</td>
<td>30</td>
<td>131%</td>
<td>0.0%</td>
</tr>
<tr>
<td>METED</td>
<td>180</td>
<td>213</td>
<td>33</td>
<td>118%</td>
<td>0.0%</td>
</tr>
<tr>
<td>PECO</td>
<td>213</td>
<td>277</td>
<td>64</td>
<td>130%</td>
<td>2.3%</td>
</tr>
<tr>
<td>PENELC</td>
<td>216</td>
<td>242</td>
<td>26</td>
<td>112%</td>
<td>0.0%</td>
</tr>
<tr>
<td>PEPCO</td>
<td>502</td>
<td>1,426</td>
<td>923</td>
<td>284%</td>
<td>0.1%</td>
</tr>
<tr>
<td>PPL</td>
<td>492</td>
<td>561</td>
<td>68</td>
<td>114%</td>
<td>0.5%</td>
</tr>
<tr>
<td>PSEG</td>
<td>285</td>
<td>471</td>
<td>186</td>
<td>165%</td>
<td>1.0%</td>
</tr>
<tr>
<td>RECO</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>211%</td>
<td>0.0%</td>
</tr>
<tr>
<td>Total</td>
<td>8,111</td>
<td>13,250</td>
<td>5,139</td>
<td>163%</td>
<td>1.0%</td>
</tr>
</tbody>
</table>

* Test commitment = Commitment – Daily Deficiency
# Test Penalties and Deficiency Charges, DY2017/18

<table>
<thead>
<tr>
<th>Product</th>
<th>Test Penalties (MW)</th>
<th>Shortfall (MW)</th>
<th>Average Weighted Penalty Rate ($/MW-day)</th>
<th>Penalties as % of Total LM Credits ($515M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited</td>
<td>$631,650</td>
<td>13.4</td>
<td>$124</td>
<td>0.12%</td>
</tr>
<tr>
<td>Extended Summer</td>
<td>$547,927</td>
<td>10.1</td>
<td>$143</td>
<td>0.1%</td>
</tr>
<tr>
<td>Annual</td>
<td>$855,943</td>
<td>15.7</td>
<td>$144</td>
<td>0.17%</td>
</tr>
<tr>
<td>Capacity Performance</td>
<td>$40,142</td>
<td>0.6</td>
<td>$182</td>
<td>0.008%</td>
</tr>
<tr>
<td>Total</td>
<td>$2,075,662</td>
<td>39.8</td>
<td>$138</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Average Weighted Deficiency Rate ($/MW-day)</th>
<th>Total charges</th>
<th>Deficiency Charges as % of Total LM Credits ($515M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual</td>
<td>$144</td>
<td>$216</td>
<td>0.0001%</td>
</tr>
<tr>
<td>Capacity Performance</td>
<td>$182</td>
<td>$23,216</td>
<td>0.008%</td>
</tr>
<tr>
<td>Extended Summer</td>
<td>$143</td>
<td>$34,157</td>
<td>0.011%</td>
</tr>
<tr>
<td>Limited</td>
<td>$124</td>
<td>$18,665</td>
<td>0.006%</td>
</tr>
<tr>
<td>Grand Total</td>
<td>$161</td>
<td>$76,254</td>
<td>0.025%</td>
</tr>
</tbody>
</table>
Questions?