Queue Interconnection Studies of Projects Potentially Affecting Neighboring Systems

IPSAC WebEx

Zamiyad Dar
SENIOR PLANNING ENGINEER, NYISO
Summary

• Projects in the respective ISO/RTO interconnection queues may have potential interregional effects on neighboring systems
  – This requires coordination of studies across ISO/RTO borders

• The Joint ISO/RTO Planning Committee continues to
  – Coordinate system data bases and models
  – Identify and evaluate the performance of projects affecting interregional system performance

• The ISO/RTO interconnection queues can be found at:
  – [https://www.nyiso.com/interconnections](https://www.nyiso.com/interconnections)
  – [https://www.pjm.com/planning/services-requests/interconnection-queues.aspx](https://www.pjm.com/planning/services-requests/interconnection-queues.aspx)

• Several projects will now be discussed with the IPSAC
  – Slides show the effective date of April 1, 2019 for every ISO/RTO Queue
  – Changes from the December 10, 2018 IPSAC meeting are shown in red
NYISO TRANSMISSION AND GENERATION PROJECTS WITH POTENTIAL INTERREGIONAL IMPACTS

Zamiyad Dar – NYISO
### NYISO Interconnection Queue Projects with Potential ISO-NE/PJM Impact

<table>
<thead>
<tr>
<th>Transmission Project</th>
<th>Queue Number(s)</th>
<th>Zone(s)</th>
<th>Regions Affected</th>
<th>Proposed I/S Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>West Point Partners HVDC</td>
<td>358</td>
<td>F, H</td>
<td>ISO-NE / PJM</td>
<td>2021/01</td>
</tr>
<tr>
<td>Poseidon HVDC</td>
<td>363</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2020/07</td>
</tr>
<tr>
<td>Grand Isle Intertie Development</td>
<td>386</td>
<td>D</td>
<td>ISO-NE</td>
<td>2023</td>
</tr>
<tr>
<td><strong>NAT Segment B Enhanced</strong></td>
<td>414**</td>
<td>E, G</td>
<td>ISO-NE / PJM</td>
<td>2019</td>
</tr>
<tr>
<td>Champlain Hudson (CH) Interconnection</td>
<td>458</td>
<td>J</td>
<td>ISO-NE / PJM</td>
<td>2022/Q3</td>
</tr>
<tr>
<td>Hudson Transmission Partners NY to PJM</td>
<td>465</td>
<td>J</td>
<td>PJM</td>
<td>2021/01</td>
</tr>
<tr>
<td>Empire State Connector HVDC</td>
<td>506</td>
<td>C, J</td>
<td>ISO-NE / PJM</td>
<td>2021/10</td>
</tr>
<tr>
<td>PPL Electric Utilities Compass</td>
<td>518</td>
<td>G</td>
<td>PJM</td>
<td>2023/12</td>
</tr>
<tr>
<td>NextEra Empire State Line</td>
<td>530</td>
<td>A</td>
<td>PJM</td>
<td>2020/05</td>
</tr>
<tr>
<td><strong>NextEra Segment-A</strong></td>
<td>537**</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2018/11</td>
</tr>
<tr>
<td><strong>NextEra Segment-B</strong></td>
<td>538**</td>
<td>E, G</td>
<td>ISO-NE / PJM</td>
<td>2024/06</td>
</tr>
<tr>
<td><strong>NextEra Segment-B Alt</strong></td>
<td>539**</td>
<td>E, G</td>
<td>ISO-NE / PJM</td>
<td>2024/06</td>
</tr>
<tr>
<td>AVANGRID Connect NY Edic – PV</td>
<td>540</td>
<td>E, G</td>
<td>ISO-NE / PJM</td>
<td>2020/12</td>
</tr>
<tr>
<td>AVANGRID Connect NY Edic – Ramapo</td>
<td>541</td>
<td>E, G</td>
<td>ISO-NE / PJM</td>
<td>2020/12</td>
</tr>
<tr>
<td><strong>National Grid Segment A-Edic-New Scotland</strong></td>
<td>542**</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2021/12</td>
</tr>
<tr>
<td>National Grid Segment B Knickerbocker-PV</td>
<td>543*</td>
<td>F, G</td>
<td>ISO-NE / PJM</td>
<td>2021/12</td>
</tr>
<tr>
<td>NextEra Empire State Line Alt</td>
<td>545A</td>
<td>A</td>
<td>PJM</td>
<td>2022/06</td>
</tr>
</tbody>
</table>

**Note:**
Projects listed with ** after their queue number were part of the AC Transmission Public Policy Transmission Need evaluation but not selected by NYISO.
Projects listed with a * after their queue number were part of the AC Transmission Public Policy Transmission Need evaluation and selected by NYISO.
<table>
<thead>
<tr>
<th>Transmission Project</th>
<th>Queue Number(s)</th>
<th>Zone(s)</th>
<th>Regions Affected</th>
<th>Proposed I/S Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAT Segment A Base</td>
<td>555**</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2020/01</td>
</tr>
<tr>
<td>NAT Segment A Double Circuit</td>
<td>556*</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2020/06</td>
</tr>
<tr>
<td>NAT Segment A Enhanced</td>
<td>557**</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2020/01</td>
</tr>
<tr>
<td>NAT Segment A 765</td>
<td>558**</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2020/01</td>
</tr>
<tr>
<td>NAT Segment B Base</td>
<td>559**</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2020/01</td>
</tr>
<tr>
<td>ITC Segment A</td>
<td>608**</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2020/04</td>
</tr>
<tr>
<td>ITC Segment B</td>
<td>609**</td>
<td>E, F</td>
<td>ISO-NE / PJM</td>
<td>2021/04</td>
</tr>
<tr>
<td>Champlain Hudson NS Power Express HVDC</td>
<td>631</td>
<td>J</td>
<td>PJM</td>
<td>2021/12</td>
</tr>
<tr>
<td>GridAmerica Holdings Alps - Berkshire</td>
<td>632</td>
<td>F</td>
<td>ISO-NE</td>
<td>2021/09</td>
</tr>
<tr>
<td>AVANGRID Oakdale - Lafayette</td>
<td>641</td>
<td>C</td>
<td>PJM</td>
<td>N/A</td>
</tr>
<tr>
<td>AVANGRID Multiple Areas</td>
<td>643</td>
<td>C, E</td>
<td>PJM</td>
<td>N/A</td>
</tr>
<tr>
<td>ITC Lake Erie Connector</td>
<td>684</td>
<td>A</td>
<td>PJM</td>
<td>2023/03</td>
</tr>
</tbody>
</table>

Note:
Projects listed with ** after their queue number were part of the AC Transmission Public Policy Transmission Need evaluation but not selected by NYISO. Projects listed with a * after their queue number were part of the AC Transmission Public Policy Transmission Need evaluation and selected by NYISO.
# NYISO Interconnection Queue Projects with Potential ISO-NE/PJM Impact (Cont.)

<table>
<thead>
<tr>
<th>Generation Project</th>
<th>Queue Number(s)</th>
<th>Zone(s)</th>
<th>Regions Affected</th>
<th>Proposed I/S Date</th>
<th>MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cassadaga Wind</td>
<td>387</td>
<td>A</td>
<td>PJM</td>
<td>2020/05</td>
<td>126</td>
</tr>
<tr>
<td>Caithness Long Island II</td>
<td>401</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2022/04</td>
<td>599</td>
</tr>
<tr>
<td>EDP Renewables North America Arkwright Summit</td>
<td>421</td>
<td>A</td>
<td>PJM</td>
<td>2017/10</td>
<td>78.4</td>
</tr>
<tr>
<td>Cricket Valley Energy Center</td>
<td>444</td>
<td>G</td>
<td>ISO-NE</td>
<td>2017/12</td>
<td>1020</td>
</tr>
<tr>
<td>Atlantic Wind Bone Run</td>
<td>466</td>
<td>A</td>
<td>PJM</td>
<td>2021/11</td>
<td>132</td>
</tr>
<tr>
<td>Renovo Energy Center</td>
<td>496</td>
<td>C</td>
<td>PJM</td>
<td>2019/09</td>
<td>480</td>
</tr>
<tr>
<td>Tioga County Power</td>
<td>498</td>
<td>C</td>
<td>PJM</td>
<td>2020/06</td>
<td>550</td>
</tr>
<tr>
<td>RES America Developments Ball Hill Wind</td>
<td>505</td>
<td>A</td>
<td>PJM</td>
<td>2019/09</td>
<td>100</td>
</tr>
<tr>
<td>East Coast Power Linden Cogen Uprate</td>
<td>516</td>
<td>J</td>
<td>PJM</td>
<td>2020/05</td>
<td>234.4</td>
</tr>
<tr>
<td>Dunkirk Unit 2</td>
<td>523</td>
<td>A</td>
<td>PJM</td>
<td>2020/01</td>
<td>75</td>
</tr>
<tr>
<td>Dunkirk Unit 3 &amp; 4</td>
<td>524</td>
<td>A</td>
<td>PJM</td>
<td>2020/01</td>
<td>370</td>
</tr>
<tr>
<td>North Park Energy SW Energy</td>
<td>595</td>
<td>A</td>
<td>PJM</td>
<td>2019/10</td>
<td>100</td>
</tr>
<tr>
<td>Invenergy Alle Cat II Wind</td>
<td>596</td>
<td>A</td>
<td>PJM</td>
<td>2021/10</td>
<td>339</td>
</tr>
<tr>
<td>North Bergen Liberty Generating Alternative</td>
<td>668</td>
<td>J</td>
<td>PJM</td>
<td>2023/04</td>
<td>1171</td>
</tr>
<tr>
<td>Anbaric NYC Offshore Wind</td>
<td>679</td>
<td>J</td>
<td>PJM</td>
<td>2025/07</td>
<td>1200</td>
</tr>
<tr>
<td>Anbaric LI Offshore Wind</td>
<td>680</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2025/07</td>
<td>700</td>
</tr>
<tr>
<td>Renovo Energy Center Uprate</td>
<td>693</td>
<td>C</td>
<td>PJM</td>
<td>2020/07</td>
<td>515</td>
</tr>
<tr>
<td>Anbaric NYC Offshore AC</td>
<td>703</td>
<td>J</td>
<td>PJM</td>
<td>2025/07</td>
<td>800</td>
</tr>
<tr>
<td>Equinor Wind US Empire Wind</td>
<td>737</td>
<td>J</td>
<td>PJM</td>
<td>2023/06</td>
<td>816</td>
</tr>
<tr>
<td>Equinor Wind US Empire Wind II</td>
<td>738</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2023/06</td>
<td>816</td>
</tr>
<tr>
<td>Anbaric NY Ocean Grid - Canal</td>
<td>754</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2025/07</td>
<td>800</td>
</tr>
<tr>
<td>Anbaric NY Ocean Grid - Shoreham</td>
<td>755</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2025/07</td>
<td>800</td>
</tr>
</tbody>
</table>
## NYISO Interconnection Queue Projects with Potential ISO-NE/PJM Impact (Cont.)

<table>
<thead>
<tr>
<th>Generation Project</th>
<th>Queue Number(s)</th>
<th>Zone(s)</th>
<th>Regions Affected</th>
<th>Proposed I/S Date</th>
<th>MW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bay State Wind – NY Wind Canal</td>
<td>764</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2023/01</td>
<td>440</td>
</tr>
<tr>
<td>Bay State Wind – NY Wind Brookhaven</td>
<td>765</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2023/01</td>
<td>880</td>
</tr>
<tr>
<td>Bay State Wind – NY Wind Holbrook</td>
<td>766</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2023/01</td>
<td>880</td>
</tr>
<tr>
<td>Bay State Wind – NY Wind Gowanus</td>
<td>767</td>
<td>J</td>
<td>PJM</td>
<td>2023/01</td>
<td>1200</td>
</tr>
<tr>
<td>South Ripley Solar</td>
<td>783</td>
<td>A</td>
<td>PJM</td>
<td>2022/09</td>
<td>270</td>
</tr>
<tr>
<td>Atlantic Shores Offshore Wind 7</td>
<td>788</td>
<td>K</td>
<td>ISO-NE / PJM</td>
<td>2025/06</td>
<td>880</td>
</tr>
<tr>
<td>Atlantic Shores Offshore Wind 8</td>
<td>789</td>
<td>J</td>
<td>ISO-NE / PJM</td>
<td>2025/06</td>
<td>880</td>
</tr>
<tr>
<td>Atlantic Shores Offshore Wind 9</td>
<td>790</td>
<td>J</td>
<td>ISO-NE / PJM</td>
<td>2025/06</td>
<td>880</td>
</tr>
</tbody>
</table>
ISO NEW ENGLAND TRANSMISSION AND GENERATION PROJECTS WITH POTENTIAL INTERREGIONAL IMPACTS

Al McBride – ISO-NE
ISO New England Interconnection Requests that had, are having, or will need Interregional Coordination

<table>
<thead>
<tr>
<th>QP</th>
<th>Type</th>
<th>Requested</th>
<th>Alternative Name</th>
<th>Net MW</th>
<th>ST</th>
<th>OpDate</th>
<th>Interconnection Point</th>
<th>SIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>499</td>
<td>ETU</td>
<td>2/16/2015</td>
<td>300 kV HVDC/AC Tie - Import Only</td>
<td>1090</td>
<td>NH</td>
<td>12/29/2022</td>
<td>HQ Des Cantons substation to PSNH Deerfield substation</td>
<td>Yes</td>
</tr>
<tr>
<td>501</td>
<td>ETU</td>
<td>2/16/2015</td>
<td>HVDC Tie - Import only</td>
<td>1000</td>
<td>VT</td>
<td>05/31/2023</td>
<td>HQ 735 kV substation to VELCO 345 kV Coolidge substation</td>
<td>Yes</td>
</tr>
<tr>
<td>506</td>
<td>ETU</td>
<td>2/16/2015</td>
<td>Internal HVDC - North to South flow</td>
<td>1000</td>
<td>MA</td>
<td>06/30/2019</td>
<td>NMISA to NSTAR 345 kV K Street substation</td>
<td>Yes</td>
</tr>
<tr>
<td>508</td>
<td>ETU</td>
<td>2/16/2015</td>
<td>HVDC from NY to WMA - bidirectional</td>
<td>600</td>
<td>MA</td>
<td>06/30/2019</td>
<td>NY-Alps substation to WMCO-Berkshire substation</td>
<td>Yes</td>
</tr>
<tr>
<td>592</td>
<td>G</td>
<td>1/21/2016</td>
<td>Pumped Storage Upgrade</td>
<td>66</td>
<td>MA</td>
<td>06/20/2020</td>
<td>GRID 230 kV Bear Swamp Substation</td>
<td>Yes</td>
</tr>
<tr>
<td>627</td>
<td>ETU</td>
<td>12/27/2016</td>
<td>HVDC Tie - Import only</td>
<td>1200</td>
<td>NH</td>
<td>12/31/2022</td>
<td>National Grid 230 kV Comerford Substation</td>
<td>No</td>
</tr>
<tr>
<td>639</td>
<td>ETU</td>
<td>4/19/2017</td>
<td>HVDC Tie</td>
<td>1000</td>
<td>ME</td>
<td>12/13/2022</td>
<td>CMP Larrabee Rd 345 kV Substation</td>
<td>No</td>
</tr>
<tr>
<td>640</td>
<td>ETU</td>
<td>4/21/2017</td>
<td>HVDC Tie - Import only</td>
<td>1200</td>
<td>MA</td>
<td>12/31/2022</td>
<td>Coleson Cove 345 kV Substation, New Brunswick to 345 kV lines from Pilgrim Substation</td>
<td>No</td>
</tr>
<tr>
<td>651</td>
<td>ETU</td>
<td>5/11/2017</td>
<td>AC Tie</td>
<td>600</td>
<td>MA</td>
<td>12/31/2023</td>
<td>NY Alps 345 kV Substation and Eversource Berkshire 345 kV Substation</td>
<td>No</td>
</tr>
<tr>
<td>783</td>
<td>ETU</td>
<td>9/18/2018</td>
<td>HVDC Tie - Import only</td>
<td>400</td>
<td>VT</td>
<td>12/31/2023</td>
<td>NY Plattsburgh 230 kV Substation and VELCO New Haven 345 kV Substation</td>
<td>No</td>
</tr>
</tbody>
</table>

QP is Queue Position; ETU is Elective Transmission Upgrade; G is Generator; SIS: Yes means report available, No means system impact study is not complete and no report is available.
PJM TRANSMISSION AND GENERATION PROJECTS
WITH POTENTIAL INTERREGIONAL IMPACTS

Anupama Janapareddy – PJM
PJM Queue Units near PJM-NY Border That Are Jointly Coordinated with NYISO and ISO-NE
## PJM Queue Projects jointly Coordinated with NYISO and ISO-NE

<table>
<thead>
<tr>
<th>Queue ID</th>
<th>Project Description</th>
<th>Transmission Zones</th>
<th>Total Facility Capacity (MW)</th>
<th>Capacity Value (MW)</th>
<th>Energy Value (MW)</th>
<th>Project Status</th>
<th>Project In Service Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y2-089</td>
<td>Increase to X4-048 (PJM Project) a combined cycle natural gas facility connected at the Lackawana 230 kV bus</td>
<td>PPL</td>
<td>1370</td>
<td>370</td>
<td>370</td>
<td>Under Construction</td>
<td>2019 Q1</td>
</tr>
<tr>
<td>Y3-092</td>
<td>Merchant transmission project (HVDC) connected at the Erie West 345 kV bus</td>
<td>PENELEC</td>
<td>1000 MW firm injection; 500 MW firm withdrawal; 500 MW non-firm withdrawal</td>
<td>463</td>
<td>463</td>
<td>463</td>
<td>Facilities Study in progress</td>
</tr>
<tr>
<td>AA1-111</td>
<td>Natural gas generating facility along the Moshannon-East Towanda 230 kV line</td>
<td>PENELEC</td>
<td>463</td>
<td>463</td>
<td>463</td>
<td>Facilities Study in progress</td>
<td>2021 Q4</td>
</tr>
<tr>
<td>AA2-120</td>
<td>Natural gas generating facility that will interconnect with PENELEC system by either connecting at the Tower Hill 115 kV substation or connecting at the Ward 115 kV substation</td>
<td>PENELEC</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>Withdrawn</td>
<td>2020 Q2</td>
</tr>
<tr>
<td>AB1-082</td>
<td>Natural gas facility connected as a tap of the Potter-Coneville 46kV line in APS</td>
<td>APS</td>
<td>19.9</td>
<td>19.9</td>
<td>19.9</td>
<td>Suspended</td>
<td>2019 Q3</td>
</tr>
<tr>
<td>AB1-084</td>
<td>Natural gas facility connected to the Elk Mountain Tap 69kV substation</td>
<td>PPL</td>
<td>19.9</td>
<td>19.9</td>
<td>19.9</td>
<td>Withdrawn</td>
<td>2017 Q4</td>
</tr>
<tr>
<td>AB1-092</td>
<td>Uprate to the AA1-111 project connected as a tap of the Chapman-Lobo 230 kV line</td>
<td>PENELEC</td>
<td>504</td>
<td>17</td>
<td>41</td>
<td>Facilities Study in progress</td>
<td>2021 Q2</td>
</tr>
<tr>
<td>AB1-100</td>
<td>480 MW Network Long Term Firm request from the Renovo Energy Center in NYISO into PJM</td>
<td>N/A</td>
<td>480</td>
<td>N/A</td>
<td>N/A</td>
<td>Withdrawn</td>
<td>2020 Q2</td>
</tr>
<tr>
<td>AB1-108</td>
<td>Natural gas facility connected as a tap of the Lackawanna-Paup 230 kV line</td>
<td>PPL</td>
<td>485</td>
<td>485</td>
<td>485</td>
<td>System Impact Studies in progress</td>
<td>2019 Q2</td>
</tr>
<tr>
<td>AB1-160</td>
<td>Wind facility uprate to the Z1-069 project tapping the Gold-Sabinsville 115 kV line</td>
<td>PENELEC</td>
<td>90</td>
<td>3.8</td>
<td>20</td>
<td>Under Construction</td>
<td>2019 Q2</td>
</tr>
<tr>
<td>AB1-179</td>
<td>Natural gas facility connected at the Sabinsville 34.5 kV</td>
<td>PENELEC</td>
<td>19.9</td>
<td>19.9</td>
<td>19.9</td>
<td>Withdrawn</td>
<td>2017 Q4</td>
</tr>
<tr>
<td>AB1-182</td>
<td>Storage facility connected at the Bear Creek 69kV</td>
<td>PPL</td>
<td>20</td>
<td>0</td>
<td>20</td>
<td>Facilities Study in progress</td>
<td>2022 Q4</td>
</tr>
</tbody>
</table>
## Latest Update on PJM Queue Projects near NYISO border (December 2018 IPSAC)

<table>
<thead>
<tr>
<th>Queue ID</th>
<th>Project Description</th>
<th>Transmission Zones</th>
<th>Total Facility Capacity (MW)</th>
<th>Capacity Value (MW)</th>
<th>Energy Value (MW)</th>
<th>Project Status</th>
<th>Projected In Service Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC2-77</td>
<td>Sabinsville 34.5 kV</td>
<td>PENELEC</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>Facilities Study</td>
<td>05/31/18</td>
</tr>
<tr>
<td>AC2-092</td>
<td>Susquehanna-Lackawanna 500 kV</td>
<td>PPL</td>
<td>1105</td>
<td>65</td>
<td>55</td>
<td>Facilities Study</td>
<td>06/01/21</td>
</tr>
<tr>
<td>AD1-108</td>
<td>Grover 34 kV</td>
<td>PENELEC</td>
<td>21.4</td>
<td>1.5</td>
<td>1.5</td>
<td>In Service</td>
<td>07/16/18</td>
</tr>
<tr>
<td>AD1-109</td>
<td>Canton 34.5 kV</td>
<td>PENELEC</td>
<td>21</td>
<td>1.1</td>
<td>1.1</td>
<td>In Service</td>
<td>05/10/18</td>
</tr>
<tr>
<td>AD1-110</td>
<td>North Meshoppen 34.5 kV</td>
<td>PENELEC</td>
<td>21.4</td>
<td>1.5</td>
<td>1.5</td>
<td>In Service</td>
<td>06/22/18</td>
</tr>
<tr>
<td>AD1-142</td>
<td>Milan 34.5 kV</td>
<td>PENELEC</td>
<td>21</td>
<td>1.1</td>
<td>1.1</td>
<td>In Service</td>
<td>04/24/18</td>
</tr>
<tr>
<td>AD2-002</td>
<td>Franklin-Emerald 25 kV</td>
<td>APS</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>SIS</td>
<td>12/06/19</td>
</tr>
<tr>
<td>AD2-009</td>
<td>McConnellsburg 138kV</td>
<td>APS</td>
<td>70</td>
<td>48.1</td>
<td>70</td>
<td>SIS</td>
<td>06/30/19</td>
</tr>
<tr>
<td>AD2-028</td>
<td>McConnellsburg-Texas Eastern</td>
<td>APS</td>
<td>150</td>
<td>76.3</td>
<td>150</td>
<td>Withdrawn</td>
<td>06/30/19</td>
</tr>
<tr>
<td>AD2-035</td>
<td>Ontelaunee 230 kV</td>
<td>ME</td>
<td>630</td>
<td>14</td>
<td>38.9</td>
<td>SIS</td>
<td>12/01/19</td>
</tr>
<tr>
<td>AD2-050</td>
<td>Buxom 69 kV</td>
<td>PPL</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>Withdrawn</td>
<td>12/31/19</td>
</tr>
<tr>
<td>AD2-055</td>
<td>Moshannon-East Towanda 230 kV</td>
<td>PENELEC</td>
<td>548</td>
<td>35</td>
<td>44</td>
<td>SIS</td>
<td>10/01/2020</td>
</tr>
</tbody>
</table>
Questions