PJM Tariff Interconnection Processes for Small Generation

David M. Egan
Manager, Interconnection Projects
Special Markets Implementation Committee - Distributed Energy Resources
February 1, 2017
PJM Tariff Interconnection Options

- To participate in front of the meter in the wholesale market, a PJM Interconnection Request is required.
- For PJM Tariff interconnection procedures to apply, request must be FERC jurisdictional
  - If state jurisdictional: final agreement - Wholesale Market Participation Agreement
  - If FERC jurisdictional: final agreement - Interconnection Service Agreement
- Forms of Tariff Interconnection Requests for inverter-based DER generation:

<table>
<thead>
<tr>
<th>PJM Tariff Attachment</th>
<th>Applicable PJM Tariff Section</th>
<th>Applicable to</th>
<th>Deposit Costs¹</th>
<th>Tariff Duration from queue window close² to ISA Assumes Qualifications Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB</td>
<td>112B</td>
<td>≤ 10 kW inverter-based</td>
<td>$500</td>
<td>23 days</td>
</tr>
<tr>
<td>Y</td>
<td>112A</td>
<td>&gt;10 kW &amp; up to 5 MW inverter-based</td>
<td>$2k/3k/5k</td>
<td>1-3 months</td>
</tr>
<tr>
<td>N</td>
<td>110 (Capacity) or 111 (energy-only)</td>
<td>5 MW &amp; ≤ 20 MW inverter-based</td>
<td>$10k/12k/15k or expected cost in Transmission Owner zone.</td>
<td>4-12 months*</td>
</tr>
</tbody>
</table>

¹ Customer responsible for actual costs: study, agreements, system upgrades, metering, and telemetry.
² Special PC Session: New Service Request Study Methods working to remove the need for queue window to close.
Who controls the Interconnection?

Jurisdictional Questions:
1. Interconnection with non-Tariff facilities?
2. Qualifying Facility (QF) at time of New Services Request?
3. Prior wholesale generation flow?