Distributed Energy Resource (DER) Scenarios

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Markets and Reliability Committee
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PJM Demand Response Regulation Participation

☑️ **Allowed**
Electric Distribution Company

- No power injections past this meter

- Homeowner Loads

- Third Party Ownership

☒ **Not Allowed**
Electric Distribution Company

- Power injections past this meter

- Homeowner Loads

- Third Party Ownership
State Jurisdictional Interconnections

Behind the Meter
Electric Distribution Company

No power injections past this meter

Homeowner Loads

Third Party Ownership

No PJM Involvement

Net Metering or Retail Generation
Electric Distribution Company

Power injections past this meter and participates in state’s retail market or net metering

Homeowner Loads

Third Party Ownership
Not Allowed

Electric Distribution Company

Power exports past this meter to participate in PJM wholesale market

Homeowner Loads

Third Party Ownership

Arrangement not allowed when Interconnection Request is made by Third Party because Third Party is using homeowner’s facilities and Point of Interconnection to get power to PJM system. PJM has no relationship with the homeowner.
Third Party leases land from homeowner and enters PJM queue to sell power in PJM market.
Third Party leases land from homeowner and enters PJM queue to sell power in PJM market. On loss of grid, Third Party serves homeowner through automatic transfer switch.
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 on FERC jurisdictional facilities or be made by a FERC Qualifying Facility (QF).
  – If state jurisdictional: Wholesale Market Participation Agreement
  – If FERC jurisdictional: Interconnection Service Agreement
• Forms of 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 Costs</th>
<th>Tariff Duration from queue window close 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; ≤ 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)</td>
<td>&gt; 5 MW &amp; ≤ 20 MW inverter-based – any Capacity Request</td>
<td>$10k/12k/15k</td>
<td>4-12 months*</td>
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<td></td>
<td></td>
<td></td>
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<td>* PJM will seek to expedite study process</td>
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