EDC in the DR Process

August 1, 2017
Demand Response can participate within the various PJM markets:

- **Energy**
  - Day Ahead
  - Real Time
    - Dispatched
- **Ancillary Services**
  - Synchronized Reserve
  - Day Ahead Scheduling Reserve
  - Regulation
- **Capacity**
  - Offer into auction up to 3 years in advance
Economic

- Register year round
- Can only register for period of contract
- Effective date in 2 business days
- Reviewed by EDC and LSE (if applicable)
- Termination Date can be extended if CSP has valid contract

Capacity

- Register only from first business day of year to May 31st
- Contract with customer must be for entire Delivery Year
- Effective Date always June 1
- Reviewed by EDC
- New registration each year
Applies to all locations on every registration

- Verify EDC Account Number(s)
  - Defines end-use customer (avoid duplicates)
- Verify Loss Factors
  - Energy LF used for Economic participation
  - Capacity and Energy LF used for Load Management participation
- Verify the Peak Load Contribution (PLC) – Load Management only
- Verify that the location has an EDC interval meter
  - Only if EDC Meter is designated on the registration
  - PJM approves CSP interval meters
- Verify Pricing Point – must use Residual Zonal Pricing if not priced at node or aggregate
- RERRA Evidence, if needed
DR Hub Location Screen

**Location Detail**

<table>
<thead>
<tr>
<th>Location</th>
<th>CSP</th>
<th>Status</th>
<th>Pricing Point</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PE</td>
<td>Active</td>
<td>GRAND POINT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EDC Account Number</th>
<th>EDC</th>
<th>Zone</th>
<th>Pricing Point</th>
<th>Allow EDC to submit data</th>
<th>Allow LSE to submit data</th>
</tr>
</thead>
<tbody>
<tr>
<td>01802-495267</td>
<td>PE</td>
<td>APS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Business Segment**

<table>
<thead>
<tr>
<th>Address Line 1</th>
<th>Address Line 2</th>
<th>State</th>
<th>Zip Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 W Front Street</td>
<td></td>
<td>PA</td>
<td>19114</td>
</tr>
</tbody>
</table>

**Utility Residential Participation**

**Meter Equipment**

<table>
<thead>
<tr>
<th>Meter Type</th>
<th>Meter Equipment</th>
<th>Status</th>
<th>Review Date</th>
<th>Interval</th>
<th>Installation Date</th>
<th>Installation QA Plan</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDC Meter</td>
<td></td>
<td>Approved</td>
<td>04/25/2017</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Registration Input**

<table>
<thead>
<tr>
<th>Peak Load</th>
<th>Winter Peak Load</th>
<th>Capacity Loss Factor</th>
<th>Energy Loss Factor</th>
<th>Maximum Load Reduction Capability</th>
</tr>
</thead>
<tbody>
<tr>
<td>100.000</td>
<td></td>
<td></td>
<td></td>
<td>100.000</td>
</tr>
</tbody>
</table>

**Load Reduction Method**

<table>
<thead>
<tr>
<th>Manufacturing (kW)</th>
<th>HVAC (kW)</th>
<th>Generator (kW)</th>
<th>Lighting (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.000</td>
<td>100.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Refrigeration (kW)</th>
<th>Water Heaters (kW)</th>
<th>Battery (kW)</th>
<th>Plug Load (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
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</tbody>
</table>
EDC Information Access

• Within DR Hub
  – Access to registration information
  – Access to Load Management Event information
  – Access to load data submitted by CSPs

• On Emergency Procedures web page
  – All postings
    • Can setup text/email messaging