DR Registration Process and RERRA

DRS
July 17, 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
EDC Registration Review

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
Applies to all locations on economic registration, excluding registrations only in the Regulation market

• Verify this location is a customer of the LSE
  – Using EDC Account Number and Address
### DR Hub Registration Screen

![DR Hub Registration Screen](image)

#### Registration Detail

<table>
<thead>
<tr>
<th>Task</th>
<th>Locations</th>
<th>Registrations</th>
<th>Events</th>
<th>Meter Data</th>
<th>Energy Settlements</th>
<th>Compliance</th>
<th>Dispatch Groups</th>
<th>Account and Users</th>
<th>Reports</th>
<th>RERRA</th>
</tr>
</thead>
</table>

**Name:** Lancair ESP 01802495267  
**CSP:** PE  
**Reg ID:** 1528361  
**Program:** Load Management DR Full  
**Effective Date:** 06/01/2017  
**Termination Date:** 05/31/2018  
**Status:** CONFIRMED  

**EDC:** PE (Large)  
**ZONE:** APS  
**Pricing Point:** GRAND POINT

#### Capacity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Load Contribution (KW)</td>
<td>100</td>
</tr>
<tr>
<td>Measurement Method</td>
<td>Firm Service Level</td>
</tr>
<tr>
<td>Summer Managed Load (KW)</td>
<td>500.000</td>
</tr>
<tr>
<td>Capacity Loss Factor</td>
<td>1.1</td>
</tr>
<tr>
<td>Summer Nominated ICAP (KW)</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter Peak Load (KW)</td>
<td>N/A</td>
</tr>
<tr>
<td>Winter Managed Load (KW)</td>
<td>N/A</td>
</tr>
<tr>
<td>Winter Weather Adj. Factor</td>
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<tr>
<td>Winter Nominated ICAP (KW)</td>
<td>N/A</td>
</tr>
<tr>
<td>Annual Nominated ICAP (KW)</td>
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</table>

**Resource Type:** Pre-Emergency  
**Product:** Limited DR  
**RPM DR Resource:** Select One  
**Lead Time:** Quick_30
FERC Order 719-A in Docket No. RM07-19-001 on July 16, 2009 and the Commission’s “September 14 Order” in Docket No. ER09-701-000, -001 on September 14, 2009

- If EDC is large (>4 million MWh)
  - By default the Demand Resource may participate in Demand Response unless there is Relevant Electric Retail Regulatory Authority (RERRA) evidence that prohibits participation.
  - Registration will auto confirm if EDC takes no action after (10) business days

- If EDC is small (=<4 million MWh)
  - By default the Demand Resource *may not* participate in Demand Response unless there is Relevant Electric Retail Regulatory Authority (RERRA) evidence that allows participation.
  - Registration will auto deny if EDC takes no action after (10) business days
Evidence Required from RERRA

• Relevant Electric Retail Regulatory Authority (RERRA) evidence includes:
  – an order, resolution or ordinance of the RERRA prohibiting/permitting or conditioning end-use customer participation, or
  – an opinion of the RERRA’s legal counsel attesting to the existence of a regulation or law prohibiting/permitting or conditioning end-use customer participation, or
  – an opinion of the state Attorney General, on behalf of the RERRA, attesting to the existence of a regulation or law prohibiting/permitting or conditioning end-use customer participation

Large EDC needs RERRA evidence to prohibit/conditions participation
Small EDC needs RERRA evidence to permit/condition participation
PJM’s Role in RERRA Evidence

• PJM does not interpret RERRA Evidence
  – EDC interprets RERRA evidence and coordinates with RERRA as necessary
• Post references to all RERRA Evidence received from an EDC on pjm.com
  [Link](http://pjm.com/~media/etools/dr-hub/opt-in-opt-out-rerra-evidence-for-dsr.ashx)
• DR Hub used by EDC to associate RERRA Evidence as needed to approve or deny the registration
• DR Hub auto-approves/auto-denies registrations based on size of EDC if no action on review has been taken in 10 business days