

# 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 31<sup>st</sup>

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 Detail

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Registrations
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Meter Data
Energy Settlements
Compliance
Dispatch Groups
Account and Users
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RERRA

Cancel
Save
Register
Copy

Location \*

EDC Account Number \*

Location ID

Address Line 1

City

Utility Residential Participation?

CSP

EDC \*

Business Segment

Address Line 2

State \*

Status  H

Zone \*

Pricing Point

Allow EDC to submit data  Allow LSE to submit data

Zip Code

### Meter Equipment

Add Meter Equipment

Meter Type	Meter Equipment	Status	Review Date	Interval	Installation Date	Installation QA Plan	Certification
<input type="text" value="EDC Meter"/>		Approved	04/25/2017				

Records Per Page:  (1 of 1) 1 record(s)

### Registration Input

Peak Load Contribution (kW) <input type="text" value="100.000"/>	Winter Peak Load (kW) <input type="text"/>	Capacity Loss Factor <input type="text" value="1.10000"/>	Energy Loss Factor <input type="text" value="1.10000"/>	Maximum Load Reduction Capability (kW) <input type="text" value="100.000"/>
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### Load Reduction Method

Manufacturing (kW) <input type="text" value="0.000"/>	HVAC (kW) <input type="text" value="100.000"/>	Generator (kW) <input type="text" value="0.000"/>	Lighting (kW) <input type="text" value="0.000"/>
Refrigeration (kW) <input type="text" value="0.000"/>	Water Heaters (kW) <input type="text" value="0.000"/>	Batteries (kW) <input type="text" value="0.000"/>	Plug Load (kW) <input type="text" value="0.000"/>

DR Hub

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Resource Outage

Name *	Lancair ESP 01802495267	CSP	PE	Status	CONFIRMED <span style="border: 1px solid #ccc; border-radius: 50%; padding: 2px 5px;">H</span>
Reg ID	1528361	Program *	Load Management DR Full <span style="font-size: 0.8em;">▼</span>	<input type="checkbox"/> Hold Scheduling	<input type="checkbox"/> Hold Settlement
Effective Date *	06/01/2017	Termination Date *	05/31/2018	Allow Modification	<input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> LSE

EDC PE (Large) ZONE APS Pricing Point GRAND POINT

Test Required  Completed

Capacity

Peak Load Contribution (kW)	100	Winter Peak Load (kW)	N/A	Resource Type	Pre-Emergency <span style="font-size: 0.8em;">▼</span>
Measurement Method	Firm Service Level <span style="font-size: 0.8em;">▼</span>	Winter Managed Load (kW)	N/A	Product	Limited DR <span style="font-size: 0.8em;">▼</span>
Summer Managed Load (kW)	500.000	Winter Weather Adj. Factor	N/A	RPM DR Resource	Select One <span style="font-size: 0.8em;">▼</span>
Capacity Loss Factor	1.1	Winter Nominated ICAP (kW)	N/A	Lead Time	Quick_30 <span style="font-size: 0.8em;">▼</span>
Summer Nominated ICAP (kW)	0	Annual Nominated ICAP (kW)	0		

- 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