



# 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 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

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

## Location Detail

Tasks
Locations
Registrations
Events
Meter Data
Energy Settlements
Compliance
Dispatch Groups
Account and Users
Reports
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
EDC Meter		Approved	04/25/2017				

Records Per Page: 10 (1 of 1) 1 record(s)

### Registration Input

Peak Load Contribution (kW)

Winter Peak Load (kW)

Capacity Loss Factor

Energy Loss Factor

Maximum Load Reduction Capability (kW)

### Load Reduction Method

Manufacturing (kW)

HVAC (kW)

Generator (kW)

Lighting (kW)

Refrigeration (kW)

Water Heaters (kW)

Batteries (kW)

Plug Load (kW)

DR Hub

## Registration Detail

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Search ▼
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		

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

- 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 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](http://pjm.com/~media/etools/dr-hub/opt-in-opt-out-rerra-evidence-for-dsr.ashx)  
<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