

# Review of Load Management registration process for 17/18 Delivery Year

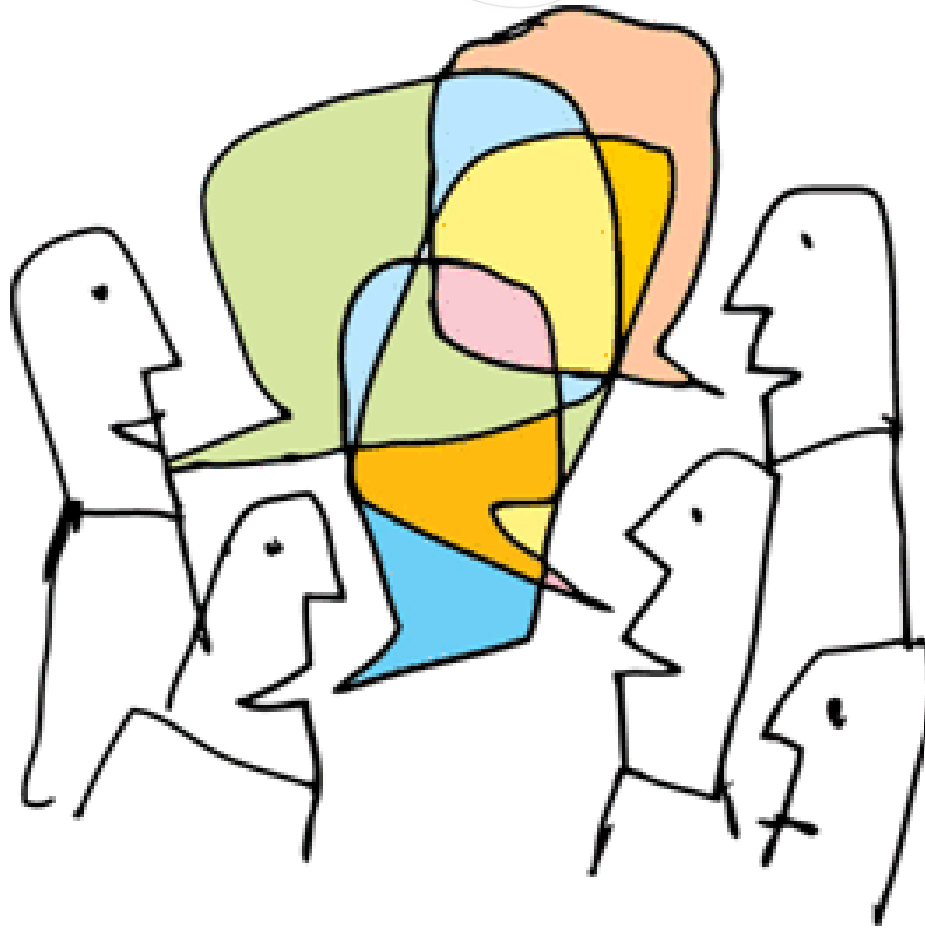
DRS

June 14, 2017



- Many CSPs select “Completed” but then needed to change
- New DR CP nomination process
  - Registration annual nomination based on Minimum of Summer and Winter nomination
    - No WPL = 0 nominated MWs
  - Winter 15/16 data not available
    - Use 16/17 winter data
    - 16/17 data not available – used subset of 16/17 data (3 CP days instead of 5)
  - Customer Outage during 15/16 CP day led to lower WPL

# Other thoughts based on your recent experience



- New CP DR nomination process

- Applies only to Capacity Performance registrations
- Fields available after DR Hub release targeted for afternoon May 11, 2017
  - Winter Peak Load and Winter Managed Load fields can only be updated through the user interface, not through Web Services
  - The new fields are not part of the XML download on the registration screen
  - Contact PJM to run a report showing the new fields after updates are complete

- Calculate Customer Winter Peak Load
  - PJM publishes winter 5 CP days (Dec/Jan/Feb)  
[Winter 5CPs and WWAF by zone for 2015/2016](#)
  - CSP calculates Customer Winter Peak Load = customer's peak demand on PJM Winter 5 CP days from 6am through 9pm (CP availability window) and calculate average of the 5 values.
  - Customer Winter Peak Load based on Delivery Year Minus 2
    - Can be calculated at same time PLC is determined.

- Winter Peak Load
  - Edit Location section of registration – Click Action pencil

Locations

Capacity Loss Factor: 1.5    Energy Loss Factor: 1.5    Peak Load Contribution (kW): 100    Winter Peak Load (kW): N/A    Maximum Load Reduction Capability (kW): 75

Actions	Location ID	Location	Zone	EDC Account Number	Pricing Point	Address	Capacity Loss Factor	Energy Loss Factor	Peak Load Contribution (kW)	Winter Peak Load (kW)	Max Load Reduction (kW)
	6320	Lancair Evolution XVXIII	APS	8884213501	AEC - AP	338 Redmond Way, Belfonte, PA 22451	1.5	1.5	100	N/A	75

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

- On popup, enter Winter Peak Load, click Save on the popup.

**Edit location** [X]

Location ID:

Location:

Capacity Loss Factor:

Energy Loss Factor:

Peak Load Contribution (kW):

Winter Peak Load (kW):

Pricing Point:

- Winter Managed Load
  - Capacity Section – enter Winter Managed Load, Save registration

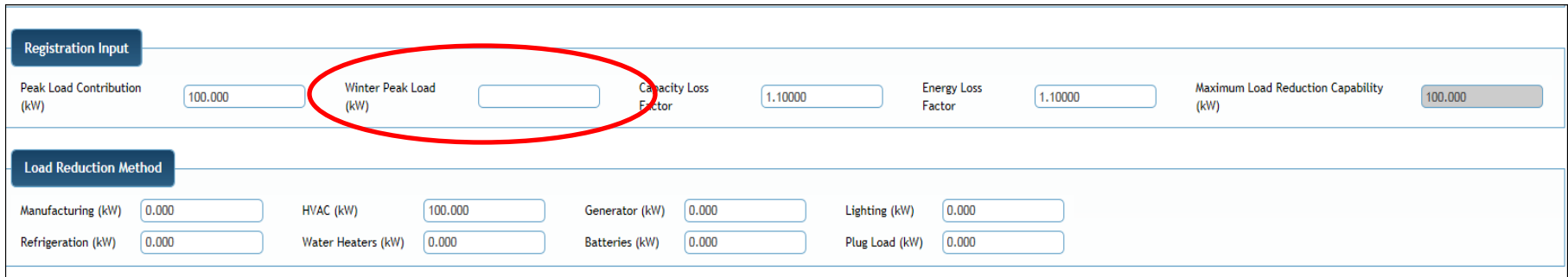
Capacity

Peak Load Contribution (kW) <input type="text" value="100"/>	Winter Peak Load (kW) <input type="text" value="78"/>	Resource Type <input type="text" value="Pre-Emergency"/>
Measurement Method <input type="text" value="Firm Service Level"/>	Winter Managed Load (kW) <input type="text"/>	Product <input type="text" value="Capacity Performance DR"/>
Summer Managed Load (kW) <input type="text" value="25.000"/>	Winter Weather Adj. Factor <input type="text"/>	RPM DR Resource <input type="text" value="Select One"/>
Capacity Loss Factor <input type="text" value="1.5"/>	Winter Nominated ICAP (kW) <input type="text"/>	Lead Time <input type="text" value="Quick_30"/>
Summer Nominated ICAP (kW) <input type="text" value="62.5"/>	Annual Nominated ICAP (kW) <input type="text" value="0"/>	
Number of Participants <input type="text" value="100"/>		

- On Save, Winter and Annual ICAP will be calculated by DR Hub, the Winter Weather Adj. Factor used will be displayed



- When creating a new Location, the Winter Peak Load can be added and will be carried to the registration
- This field is optional when registering the location



The screenshot shows a registration form with two main sections: "Registration Input" and "Load Reduction Method".

**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"/>

- Use DY-1 Load Data if DY-2 does not exist
- Contact PJM ([dr\\_ops@pjm.com](mailto:dr_ops@pjm.com)) before entering in DR Hub for approval
- Modify WPL to enter into DR Hub based on:
  - $WPL = WWAF (DY-1) / WWAF (DY-2) * WPL$
  - This will effectively yield  $WPL (DY-1) * WWAF (DY-1)$  for nomination purposes.
- Add comment on registration:  
WPL calculated using DY-1

Do not use DY-1 to calculate WPL for convenience – it is only permitted as backup if load data is not available from any source.