



# Winter Peak Load (WPL) for Summer Only Load Management and Economic DR for 23DEC and 24DEC PAIs

## Reminder of LM and PRD data requirements and submission deadlines for 23DEC and 24DEC PAI Events

DISRS

February 6, 2023

- On December 23 and 24, 2022 PJM dispatched Pre-Emergency and Emergency Load Management, CP DR resources in RTO
- During these events Summer Only LM registrations may have taken actions to reduce load in response to dispatches and there was Economic DR dispatched
- For these Summer Only LM and Economic DR registrations, Winter Peak Loads (WPL) are needed to be eligible for potential bonus payments

- 2022/2023 Delivery Year WPL dates (for DY-2):
  - January 28, 2021
  - January 29, 2021
  - February 08, 2021
  - February 17, 2021
  - February 18, 2021
- WPL for LM Summer Only registrations can be calculated within DR Hub after the data has been submitted
- WPL for Economic registrations needs to be calculated outside of DR Hub and entered manually onto the Location

- For Summer Only LM, there are two ways to have DR Hub calculate the WPL:
  - Option 1: Calculate while uploading the hourly data
  - Option 2: Calculate after hourly data has been uploaded
- For Economic DR the WPL must be calculated manually
  - Hourly meter data must be uploaded to DR Hub
  - Contact DR Ops if there are any questions ([dsr\\_ops@pjm.com](mailto:dsr_ops@pjm.com))

## Meter Data

- Tasks
- Locations
- Registrations
- Events
- Meter Data**
- Energy Settlements
- Compliance
- Dispatch Groups
- Account and Users
- Reports
- RERRA

### Upload Meter Data

Meter Data Type

Hourly

Calculate Winter Peak Load

+ Browse

Select File

## Registration Detail

- Tasks
- Locations
- Registrations**
- Events
- Meter Data
- Energy Settlements
- Compliance
- Dispatch Groups
- Account and Users
- Reports
- RERRA

- Cancel
- Save
- Copy
- Search
- Resource Outage
- Calculate Winter Peak Load**

Name \*  CSP  Status **CONFIRMED**

Reg ID  Program \* **Load Management DR Full**  Hold Scheduling  Hold Settlement

Effective Date \* **06/01/2022** Termination Date \* **05/31/2023** Allow Modification  EDC  LSE

EDC **AE (Large)** ZONE **AECO** Pricing Point **AECO\_RESID\_AGG**

Test Required  Completed

### Capacity

Peak Load Contribution (kW)	<input type="text" value="121.74"/>	Winter Peak Load (kW)	<input type="text"/>	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="28.000000"/>	Winter Weather Adj. Factor	<input type="text"/>	RPM DR Resource	<input type="text"/>
Capacity Loss Factor	<input type="text" value="1.08199"/>	Winter Nominated ICAP (kW)	<input type="text"/>	Lead Time	<input type="text" value="Quick_30"/>
Summer Nominated ICAP (kW)	<input type="text" value="91.44428"/>				

Summer Only

- Manually calculate the WPL (see numeric example on next slide):
  - 1) Calculate the average hourly load of HE07 thru and including HE21 for each of the five WPL dates
  - 2) Calculate the average of the five daily averages from 1) for an overall average
  - 3) Calculate 35% of the overall average in 2)
  - 4) Any day with a value in 1) that is lower than the value of 3) gets excluded
    - 1) If more than 2 days are excluded, contact DR Ops ([dsr\\_ops@pjm.com](mailto:dsr_ops@pjm.com))
  - 5) Find the peak hourly load between HE07 thru and including HE21 for all non-excluded days
  - 6) Calculate the average of the values obtained in 5) as the WPL



EDC Account #	0123456789						
Date	5WCP1	5WCP2	5WCP3	5WCP4	5WCP5		
HE1	10,513	11,638	12,399	11,612	11,396		
HE2	10,493	12,345	11,637	11,155	9,645		
HE3	10,606	11,226	11,726	11,581	10,063		
HE4	8,663	12,616	10,204	9,529	10,325		
HE5	7,515	12,158	9,307	8,409	11,638		
HE6	3,863	10,321	10,090	10,360	11,256		
HE7	3,351	9,804	9,924	3,104	11,008		
<b>HE8</b>	2,636	10,116	10,997	3,114	10,661		
HE9	1,890	10,931	11,008	2,822	9,926		
<b>HE10</b>	1,830	10,669	11,399	2,316	9,696		
<b>HE11</b>	1,728	10,632	8,588	1,523	10,999		
HE12	1,732	8,416	9,522	1,381	11,223		
HE13	1,741	8,825	11,931	1,374	4,494		
HE14	1,722	8,726	11,685	1,371	8,580		
HE15	1,715	10,240	11,794	1,390	7,574		
HE16	1,713	9,145	10,840	1,421	11,158		
HE17	1,740	10,161	12,250	1,477	11,956		
HE18	1,859	7,698	11,489	1,509	11,227		
HE19	1,868	9,693	11,618	1,500	11,352		
HE20	1,876	9,272	4,059	1,498	11,572		
HE21	1,855	9,948	11,592	1,499	11,422		
HE22	1,872	10,021	11,748	1,507	12,111		
HE23	1,891	10,093	9,751	1,492	11,882		
HE24	1,920	10,168	3,199	1,499	10,337		
Avg7_21	1,950	9,618	10,580	1,820	10,190	Avg	6,832
Peak7_21	exclude LU	10,931	12,250	exclude LU	11,956	35%	2,391

Use average hourly usage in window for the day exclusion determination

Peak hour of non-excluded days

Exclusion threshold (% of Avg)

WPL = Avg of peaks of non-excludable days



## Location Detail

Tasks **Locations** Registrations Events Meter Data Energy Settlements Compliance Dispatch Groups Account and Users Reports RERRA

Cancel **Save** Register Copy

Location \*  CSP  Status **Active**

EDC Account Number \*  EDC \* PaElec Zone \* PENELEC Pricing Point PENELEC\_RESID\_AGG

Location ID  Business Segment Transportation, Communications, Electric, Gas and Sanitary Services  Allow EDC to submit data  Allow LSE to submit data

Address Line 1  Address Line 2

City  State \* PA Zip Code

Utility Residential Participation?

**Meter Equipment**

Meter Type	Meter Equipment	Status	Review Date	Interval	Installation Date	Installation QA Plan	Certification
CSP Meter	<input type="text"/>	Approved	09/30/2021	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/> I certify the meter has been installed according to this QA Plan.

(1 of 1) << < 1 > >> 5

1 record(s)

**Registration Input**

Peak Load Contribution (kW)  **Winter Peak Load (kW)**  Capacity Loss Factor  Energy Loss Factor 1.05786 Max Load (kW)  Maximum Load Reduction Capability (kW) 2,000,000

**Load Reduction Method**

- LM Compliance data must be submitted by February 14, 2023
- PRD Compliance data must be submitted by February 14, 2023
- Emergency Energy Settlements must be submitted by:
  - February 21 for December 23
  - February 22 for December 24
- More details can be found in this presentation from last month:
  - <https://pjm.com/-/media/committees-groups/subcommittees/disrs/2023/20230109/item-05---lm-compliance-and-ee-settlements-dec-2022-emergency-events.ashx>

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**December 23 and 24, 2022 LM Events;  
WPL for Summer Only LM and Economic DR;  
Deadline Reminders**



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)

**PROTECT THE  
POWER GRID  
THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
(610) 666-2244 / [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)

