

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

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- 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

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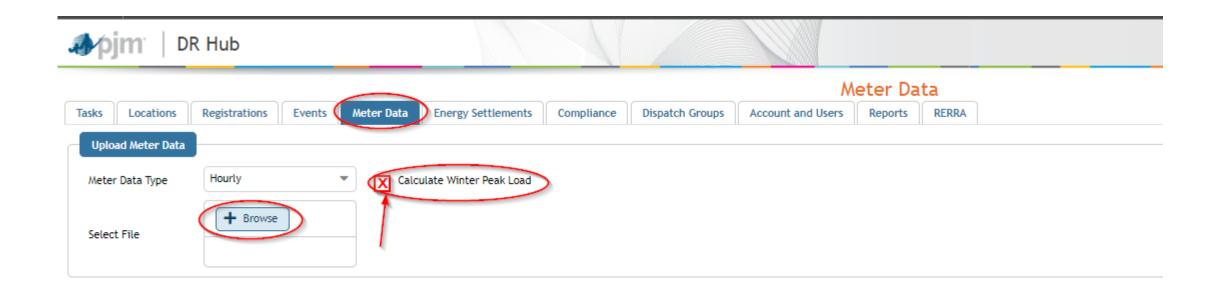
 WPL for Economic registrations needs to be calculated outside of DR Hub and entered manually onto the Location



- 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 <u>must</u> be uploaded to DR Hub
 - Contact DR Ops if there are any questions (dsr_ops@pjm.com)

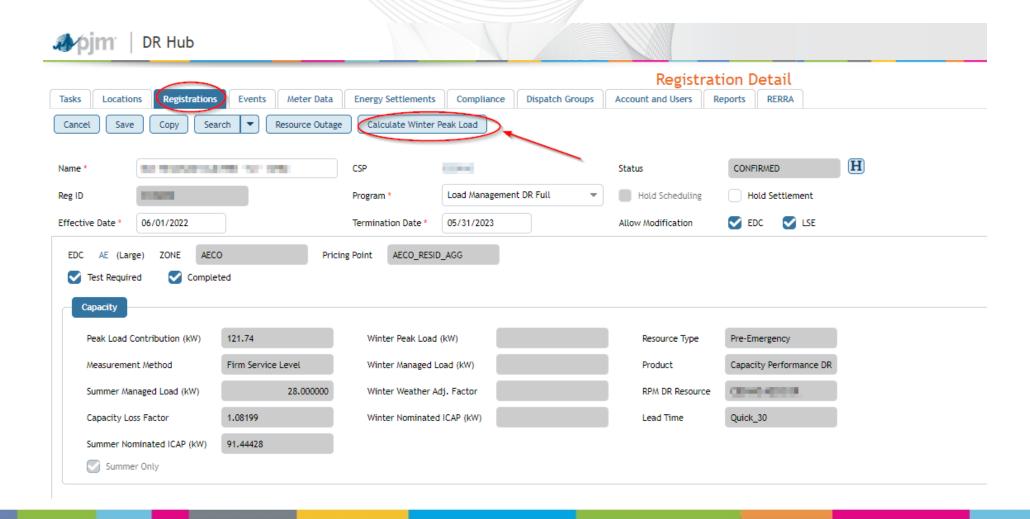


Summer Only Option 1





Summer Only Option 2





- 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
 - 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)
 - 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



Use average hourly usage in window for the day exclusion determination

Peak hour of nonexcluded days

Manual Example

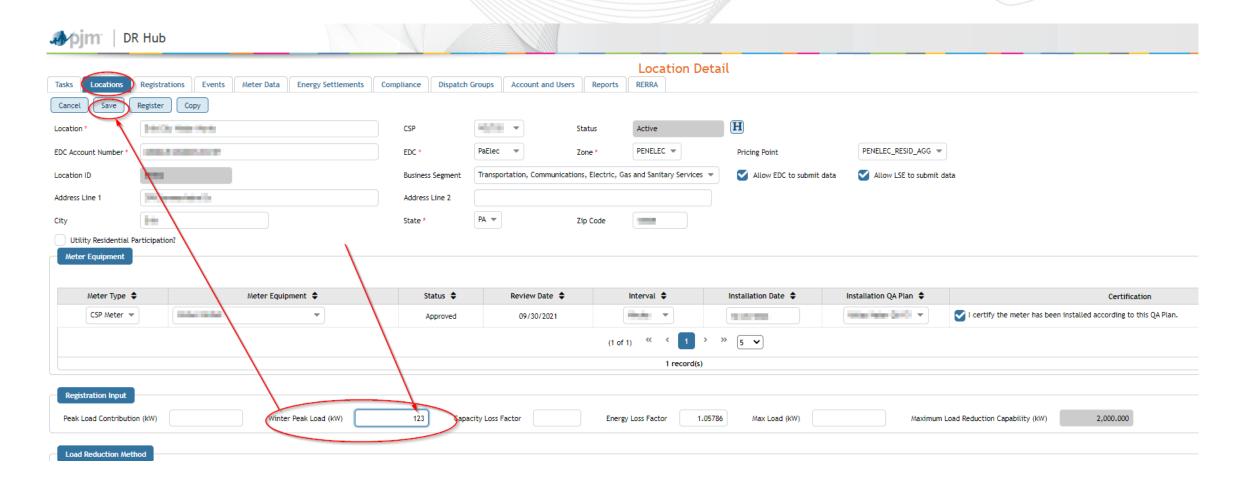
EDC Account #	0123456789							IVIGITO
Date	5WCP1	5WCP2	5WCP3	5WCP4	5WCP5			
HE1	10,513	11,638	12,399	11,612	11,396			
HE2	10,493	12,345	11,637	11,155	9,645			
HE3	10,606	11,226	11,726	11,581	10,063			
HE4	8,663	12,616	10,204	9,529	10,325			
HE5	7,515	12,158	9,307	8,409	11,638			
HE6	3,863	10,321	10,090	10,360	11,256			
HE7	3,351	9,804	9,924	3,104	11,008			
HE8	2,636	10,116	10,997	3,114	10,661			
HE9	1,890	10,931	11,008	2,822	9,926			
HE10	1,830	10,669	11,399	2,316	9,696			
HE11	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			Exclusion
HE19	1,868	9,693	11,618	1,500	11,352			threshold (%
HE20	1,876	9,272	4,059	1,498	11,572			of Avg)
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			
						Avg	35%	Y
Avg7_21	1,950	9,618	10,580	1,820	10,190	6,832	2,391	
Peak7_21	exclude LU	10,931	12,250	exclude LU	11,956	11,712		

WPL = Avg of peaks of nonexcludable days

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Add WPL to Location and Save





- LM Compliance data must be submitted by <u>February 14, 2023</u>
- PRD Compliance data must be submitted by <u>February 14, 2023</u>
- 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/committeesgroups/subcommittees/disrs/2023/20230109/item-05---Imcompliance-and-ee-settlements-dec-2022-emergencyevents.ashx

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

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