

PJM Load Management 2025/2026 Winter Operational Readiness

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DISRS
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- Winter Period Interruption Hours
- Reporting 2025/2026 Expected Reductions
- Communication Load Management Dispatch Instructions
- Reference Documents



- Interruption hours in Winter period (NOV-APR) are different than Summer period
- Winter day peak hour likely to be in morning
- Winter period interruption hours:
 - 0600 thru 2100 EPT



- CSP is required to have customers reduce load when dispatched
 - Customer should not evaluate system conditions and determine if "economic" for them to reduce load
- Emergency Procedure "Maximum Generation Emergency/Load Management Alert" is typically posted the day before and indicates the potential for dispatch the following day
 - Provides advanced warning that Load Mgt will likely be dispatched



- If PJM operators know Load Mgt needs to be dispatched, then operator will dispatch in advance of the lead time (if possible)
 - CSP should follow the dispatch signal, do not respond early
 - For example, long lead (2 hour) dispatched at 0300 with instructions that load must be completely down by 0800. The load should begin the reduction at 0600 if it will take 2 hours to be fully reduced. The load should not begin the load reduction at 0300.
 - If it will only take 1 hour to reduce the load (because it can do quicker on this day) then it should begin at 0700
- PJM may dispatch twice in one day to manage morning and evening winter peaks



Potential for More Than One Dispatch Per Day





- CSP is required to provide accurate expected energy reduction to enable Control Room operators to effectively manage the system during emergency conditions
 - Ensure estimate is based on correct type of day and hourly load conditions.
 - Estimate should NOT simply be nominated MW.
 - Communicate with customer to incorporate near real time feedback
- Not used for compliance calculations



Review - Expected Reduction Reporting (continued)

- CSPs reports best estimate of hourly load reduction capability by Zone, Resource Type, Product and Lead Time
 - i.e. PECO, Pre-Emergency, Capacity Performance, Quick Lead Time, 25,500 kW
 - If sites are closed (i.e. Christmas/New Years shut down), then use zero (0) expected load reduction
 - If sites are operating at lower consumption than normal, then report the lower expected load reduction that would result
 - Reduction estimates based on 2025/2026 Winter capabilities



Review - Load Management Event Dispatch Communication

- Primary Communication Channel Web Service <u>Electronic</u> <u>Notification</u> from DR Hub
- Secondary Communication Channels for informational purposes or if there is a PJM issue with primary notification channel
 - Required: PJM <u>All-Call</u> (telephone message)
 - Optional: *Emergency Procedures* website
 - Optional: DR Hub may send a courtesy email to CSPs with an Email Preference of "All Tasks and Dispatches" or "All Dispatches"



Primary Communication Channel - Electronic Notification

- Using a defined web service protocol, each CSP polls DR Hub once per minute (24/7) with a request for dispatch instructions
 - In response DR Hub provides <u>registration specific</u> dispatch instructions
- Instructions contain the correct start time of event, even in nonotice and shortened-notice situations (i.e. DARA)
- CSPs communicate the instructions to their end use sites to perform actual load reductions



Sample All Call Messages

Pre-Emergency Load Management Event Notification:

- "This is (name) with an emergency procedures message. As of (state notification time) PJM has initiated a Pre-Emergency Load Management Event. CSPs should reduce load based on DR Hub dispatch instructions. See Emergency Procedure message on PJM.com for details. This is (name) that is all."

Emergency Load Management Event Notification:

 "This is (name) with an emergency procedures message. As of (state notification time) PJM has initiated an Emergency Load Management Event. CSPs should reduce load based on DR Hub dispatch instructions. See Emergency Procedure message on PJM.com for details. This is (name) that is all."

All Call Communications Request Form: Linked Here



Secondary Channel - Emergency Procedures Messages

https://emergencyprocedures.pjm.com/

History	Msg ID	Priority \$	Message Type ◆ load mgmt	Effective Start Time \$	Regions \$	Emergency Message ◆	Effective End Time \$
•	103562	Action	Pre-Emergency Load Mgmt Reduction Action	06.15.2022 10:50	AEP MARION	A Pre-Emergency Load Mgmt Reduction Action has been issued. Load reduction start times can be found by clicking on the hyperlink(s) in the Regions column. Load reductions should continue until released by PJM. Reductions are mandatory based on product requirements. CSPs should review DR Hub for specific registration details. Lead Time(s) dispatched: Quick_30,Short_60,Long_120 . Product(s) dispatched: Capacity Performance DR Additional Comments: SZ_AEP_MARION_1269364670	06.15.2022 22:00

History	Msg ID ♦ 103580	Priority \$	Message Type ♦	Effective Start Time 👢	Regions \$	Emergency Message ◆	Effective End Time \$
•	103580	■ Action	Emergency Load Mgmt Reduction Action	06.16.2022 12:30	AEP MARION	An Emergency Load Mgmt Reduction Action and a NERC level EEA2 have been issued. Load reduction start times can be found by clicking on the hyperlink(s) in the Regions column. Load reductions should continue until released by PJM. Reductions are mandatory based on product requirements. CSPs should review DR Hub for specific registration details. Lead Time(s) dispatched: Quick_30,Long_120. Product(s) dispatched: Capacity Performance DR Additional Comments: SZ_AEP_MARION_1269364670	06.16.2022 17:00

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Load Management Training Documents (These are great sources for "How to" information)

- Comprehensive Load Management training:
 - https://www.pjm.com/-/media/DotCom/training/core-curriculum/ipdsr/load-management-in-rpm.pdf
- Load Management registration training:
 - https://www.pjm.com/-/media/DotCom/training/core-curriculum/ipdsr/dr-registrations-2025.pdf

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Demand Response Operations

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BE ALERT TO
MALICIOUS PHISHING
EMAILS

Report suspicious email activity to PJM.

Call (610) 666-2244 or email it_ops_ctr_shift@pjm.com