

DR Availability Window Issue

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Market Design Dept.

Markets and Reliability Committee

January 23, 2025

The DR Availability Window issue was approved by the MRC in May 2024

Scope

Explore reforms to expand the current DR availability window and enhance the modeling of DR reduction capability and reliability value in all hours within the resource adequacy risk analysis and ELCC accreditation

Venue

Assigned
to the MIC

Timing

The MIC is currently reviewing packages and has been working under a timeline to implement any reforms with the 2027/28 BRA scheduled for December 2025.

This presentation offers a proposed schedule to implement approved DR reforms sooner with the 2026/27 BRA scheduled for July 2025.

- Today, DR has defined availability (or performance) windows that differ by season

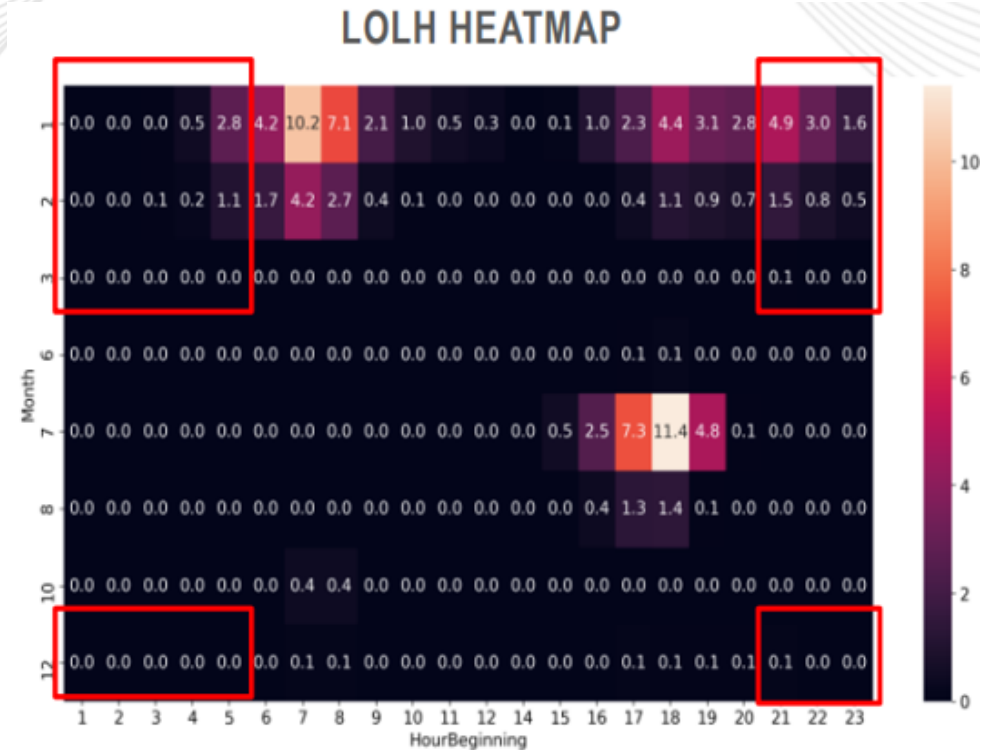
Summer	Winter
10AM to 10PM EPT	6AM to 9PM EPT

- In the ELCC analysis, DR availability during hours within the performance window is modeled to be scaled proportional to system load

$$\frac{\text{Simulated HourlyLoad}_i}{50/50 \text{ Simulated Peak Load Forecast}} \times \text{ICAP of DR}$$

- DR availability during hours outside of the performance window is assumed to be zero

- The current DR availability window excludes a number of hours that see loss-of-load risk in the ELCC analysis, particularly in the winter (about 17% of LOLH observed in winter hours outside the current availability window)
- This lowers the ELCC accreditation of DR and is the primary reason the DR Coalition brought forward the Issue Charge



2025/26 BRA DR ELCC Rating: 76%

- **June – Sept. 2024:** Education and analysis, including review of historical hourly DR load profiles and reduction capability during winter peak days to inform potential solution options and enhancements to ELCC modeling and DR accreditation
- **Oct. 2024 – Jan. 2025:** Review and discussion on solutions options and proposals / packages
- There is currently one package under consideration at the MIC, where the analysis and discussions to-date have shown opportunities for considerable improvement and reliability benefits in moving to an extended DR availability window and enhancing the risk modeling and accreditation of DR.

Package presentation: [20250108-item-04-2---dr-availability-window---pjm-package---presentation.pdf](#)

- To capture the benefits of the proposed DR reforms sooner and allow for implementation with the 2026/27 BRA, PJM is proposing the following schedule for stakeholder consideration to further review and vote on this issue:

Jan. 27, 2025 MIC Special Session (1 – 4pm)	Recently scheduled special session to provide additional time for stakeholder review and discussion on proposed package(s)
Feb. 5, 2025 MIC	MIC Vote
Feb. 20, 2025 MRC/MC	Same day First Read and Vote
March 1, 2025	Targeted date for FERC filing* (Board review in late February)

* PJM would request a waiver of the 60 day notice requirement so that the proposed enhancements can be effective on March 31, 2025 (posting date of planning parameters for 2026/27 BRA). This may require multiple sets of planning parameters to be posted if an Order is received after March 31.

SME/Presenter:

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DR Availability Window



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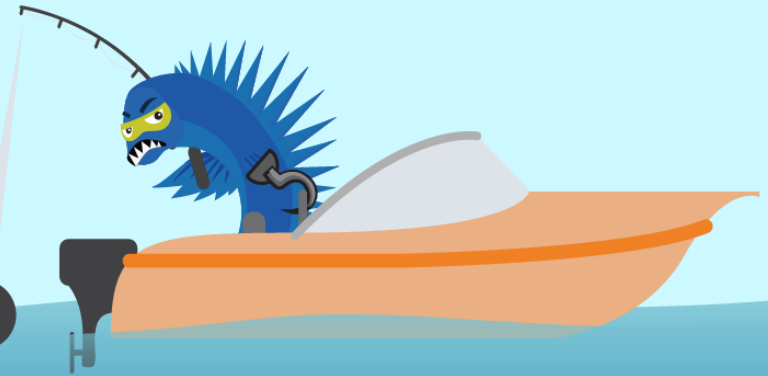
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Call (610) 666-2244 or email it_ops_ctr_shift@pjm.com