Manual 28
Renewable Dispatch (Solar) and Hybrids Phase II Conforming Changes

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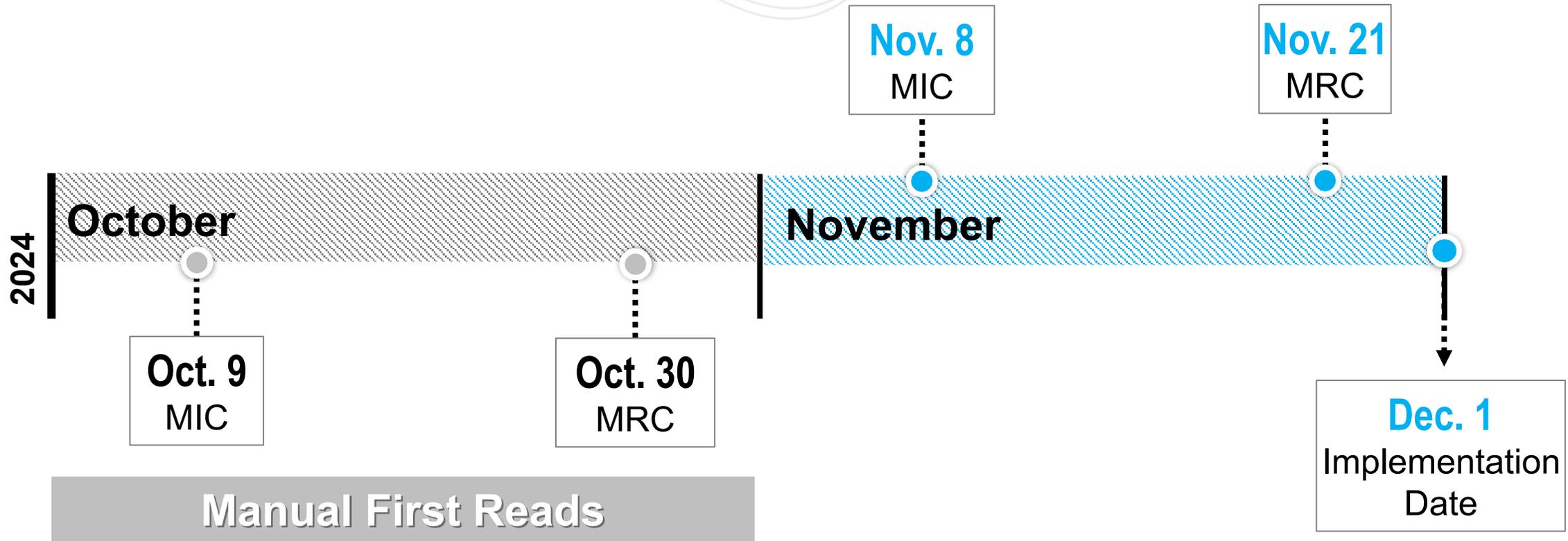Markets & Reliability Committee

November 21, 2024

Action Required	Deadline	Who May Be Affected
Communicate Manual 28 updates to impacted staff	11/21	PJM Members and Market Participants

- FERC Docket [ER23-2484](#)

  - Filing included Lost Opportunity Cost ("LOC") revisions for Hybrids, ESR Model Participants, and Solar Resources

    - Hybrid LOC changes included in Hybrids Phase II initiative and approved by MC in February 2023

    - Solar resource LOC changes included in Renewable Dispatch initiative and approved by MC in May 2023

  - Implementation Date: **December 1, 2024**

- Section 5.2.6.4

  – Updated to include solar, hybrid, and Energy Storage Resource Participant Model resources

- LOC Credit $= \dfrac{(LOC\ Deviation * Real-time\ LMP) - Total\ Lost\ Opportunity\ Cost\ Offer}{12}$

  – LOC Deviation calculation is limited by actual forecasted output

    - Forecasted output is inclusive of state of charge, where applicable

    - Source for state of charge is real-time telemetry measurement data

    - Reference to Manual 14D added for PJM forecasting tool data requirements.

Second Reads/ Endorsements

Manual First Reads

2024

October   **November**

Nov. 8
MIC

Nov. 21
MRC

Oct. 9
MIC

Oct. 30
MRC

Dec. 1
Implementation
Date

Chair:
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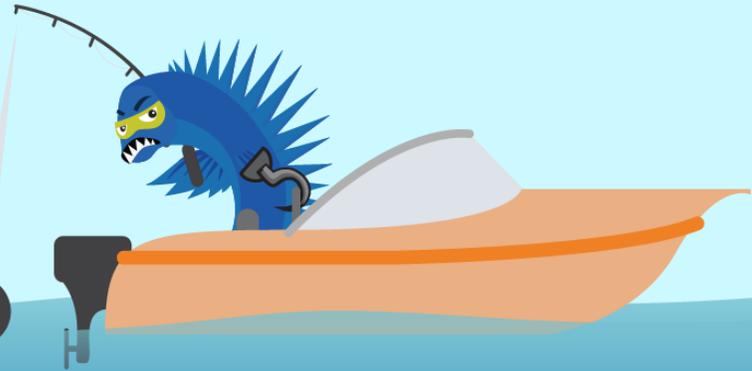
Member Hotline

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pjm

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