



# Manual 19 – Periodic Review

Markets & Reliability Committee  
November 15, 2023

Molly Mooney  
Resource Adequacy Planning

- Periodic Review
  - Updated Approval section.
  - Section 3.2 updated to reflect change to hourly model and provide more clarity to price responsive demand forecast procedure.
  - Conforming revisions related to FERC Order ER20-217-000 in Attachment A.
  - Minor revisions to correct grammar, spelling, punctuation, consistency of terms and document references in Attachment D.

## Dependent Variable – Unrestricted Load Section

- revised language to reflect move from a daily model to an hourly model

## Weather Data Section

- revised to refer to the annual Supplement for weather variables used in the model including temperature, humidity, wind speed, and cloud

## Price Responsive Demand

- provide more clarity to Price Responsive Demand forecast procedure for years when Base Residual Auctions have been run and those that have not been run

# Conforming revisions related to FERC Order ER20-217-000: PRD Revisions to align PRD rules with Capacity Performance construct

PJM is responsible for producing PRD load drop estimates, from PRD Provider input into the appropriate PJM system. ~~For purposes of 5CP identification, PRD Providers that registered price responsive demand to satisfy a PRD commitment for either RPM or FRR Alternative must provide PJM with meter data when PRD was required to be dispatched (LMP is greater than the offer price) for a set of high load days when PRD was required to be dispatched, to be identified by PJM by the end of each September. Meter data is entered at the site level; load drop estimates will be calculated at the registration level. ~~Load drop estimates will only be applied for Maximum Emergency Generation hours as well as for any 5CP hours when there was no Maximum Emergency Generation event.~~~~

## Load Drop Estimates for PRD Customers

Load Drop Estimates are applicable to price responsive demand registrations that are used to satisfy a PRD commitment for either RPM or FRR Alternative. Load Drop Estimates are not applicable to Energy Only PRD registrations.

~~For Maximum Emergency Generation hour or a 5CP hour without Maximum Emergency Generation:~~

*Load Drop Estimate = Peak Load Contribution – (Metered Load \* EDC Loss Factor)*

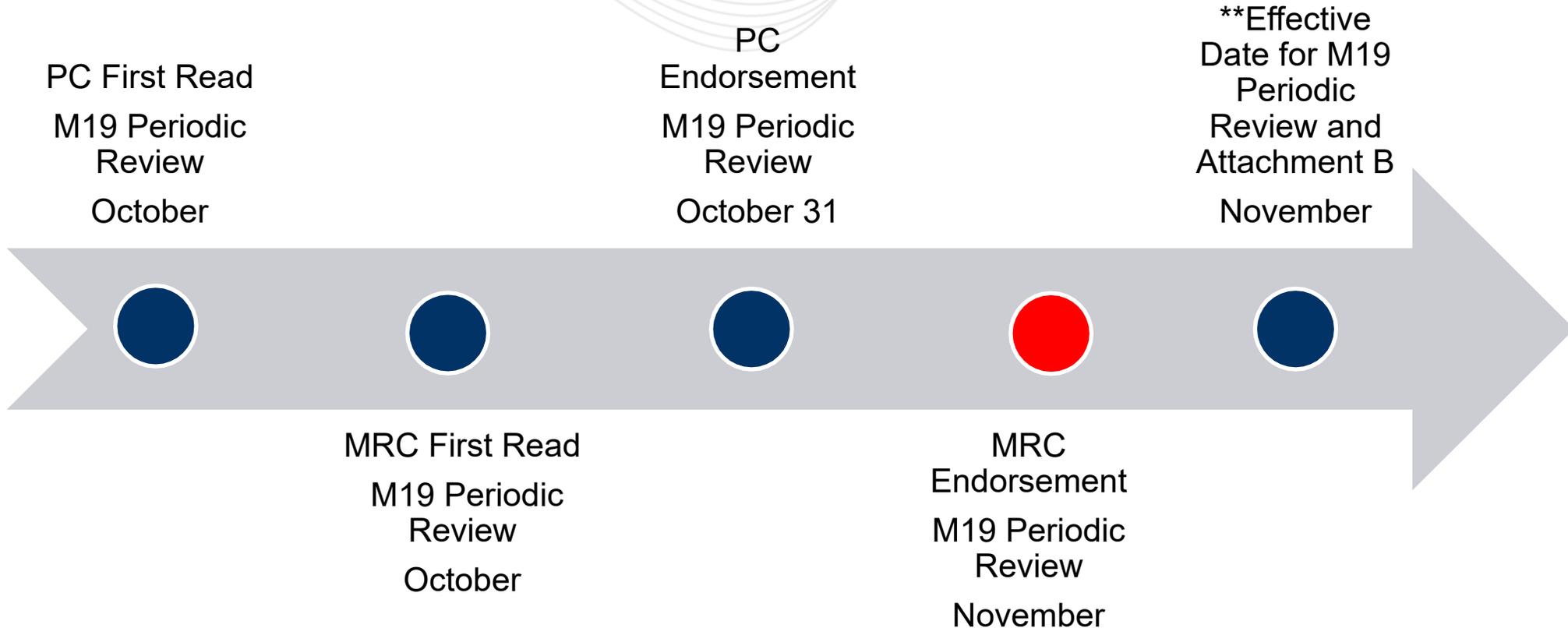
- PJM received and included the following amendment to the redline changes for M19.

#### **End-Use Trends**

Measures of the stock and efficiency of various electrical equipment and appliances used in residential and commercial settings are included in the forecast models, grouped by heating, cooling, and other. End-use variables for each PJM zone are applied by Census Division. In some instances, PJM supplements this data with zone-supplied information.

**PJM annually solicits information from stakeholders regarding electrification policies that pertain to end-uses.**

# Endorsement Details and Timeline



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