



Manual 19: Attachment B Discussion

Load Analysis Subcommittee
June 26, 2023

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Resource Adequacy Planning

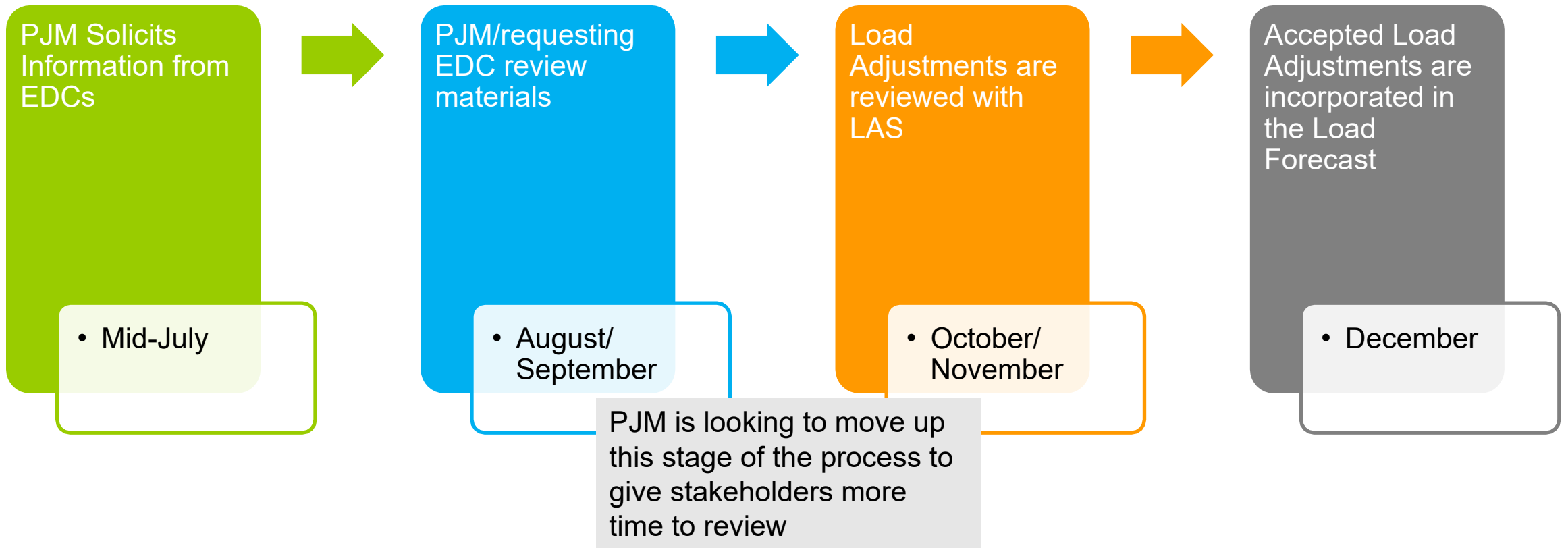
- Manual 19: Load Forecasting and Analysis

Cover to cover review

Attachment B: Load Forecast Adjustment Guidelines

Attachment A: Load Drop Estimate Guidelines
Attachment C: Residential Non-Interval Metered Guidelines
Attachment D: Peak Shaving Adjustment Plan and Performance Rating

- The Load Adjustment section was added during Revision 26 (11/01/2014)
 - Added to provide guidelines for load forecast adjustments and examples.
- Recently the types of load adjustment requests PJM have been receiving are more significant so updates to M19: Attachment B may provide additional clarity.



- Why does Load Adjustment section need to change?
 - The number of requests PJM has received has increased
 - The magnitude of requests has increased
 - The pace these load adjustments plan to materialize is rapid
 - Load Adjustments have become consequential to future load growth

- Earlier review with LAS in September/October to provide PJM and stakeholders more time to review potential load adjustments.
- PJM is requesting more granular (hourly) data along with a 15 year forecast of load adjustment.
 - Any confidential data will not be shared externally

- Each requesting EDC will be expected to present on their adjustment request including backup documentation at a September/October LAS meeting. The final decision on any load adjustment is made by PJM, and will be reflected in the Load Forecast.
- Any adjustment that is reflected in the Load Forecast will require a public document describing method and forecast. This public document will be posted with the load report materials.

Example 1: Single large load change (positive or negative)

Issue Identification – EDC notifies PJM that a large industrial load is to increase/decrease load

Issue Verification – PJM reviews request and may specifically verify:

- The industrial load change is widely reported in local media. A proof of requested load change validity is provided when a single load change is commercially sensitive;
- The EDC has adjusted its own financial and planning forecasts to reflect the load change at the plant;
- The affected load is confined to one site/customer account;
- PJM consults with economic forecast supplier to determine if the load change is reflected in their economic forecast.

Adjustment Estimation – PJM requests historical hourly load data and/or hourly forecast load data for the end-use customer. If the large load is being removed, PJM may remove hourly loads from history. If the large load is being added, adjustments to the hourly forecasted loads will be made. The final load adjustment will be included in the load forecast after review with LAS.

Example 2: Industry level load change

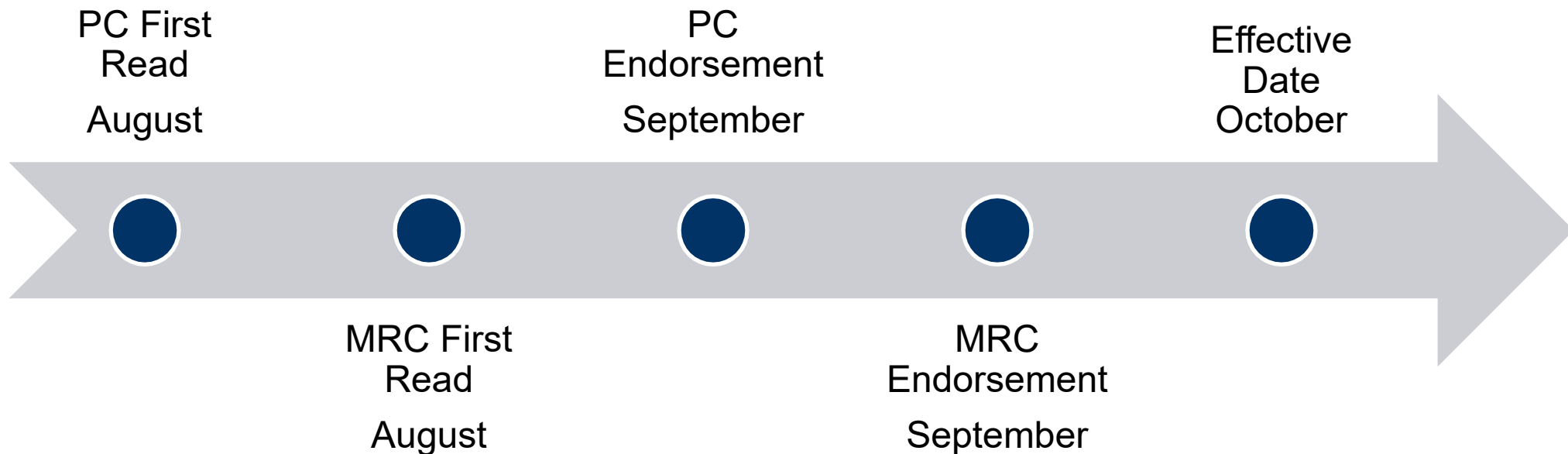
Issue Identification – EDC notifies PJM that it plans to integrate a large amount of load associated with one industry during the forecast horizon.

Issue Verification – PJM meets with the EDC and through follow-up conference calls, e-mail exchanges and PJM independent investigation it is determined that:

- The load in question is confined to a cluster of sites in one small area of the zone.
- The EDC has adjusted its own financial and planning forecasts to reflect the change in load;
- The new load sites are not fully reflected in the economic variables included in the model.
- Updated expected near term growth (accounting for requested load changes) supported by contracts in place with the EDC, construction companies, and suppliers.

Adjustment Estimation – PJM requests historical hourly load data and/or hourly forecast load data for specific industry. PJM investigates its model inputs and makes modifications to history to reflect load impacts in order to avoid double counting. The adjusted the forecast of accelerated load growth (or reduction) is layered on to reflect the expansion.

- Proposed red-lines to Attachment B are posted with today's meeting materials.
- PJM is requesting comments from LAS by July 7th.



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