Manual 14B Updates for Batter Dispatch
Summary of Changes

Julia Spatafore
Lead Engineer, Transmission Planning – West

Planning Committee

March 10, 2026

Problem/Opportunity Statement & Issue Charge

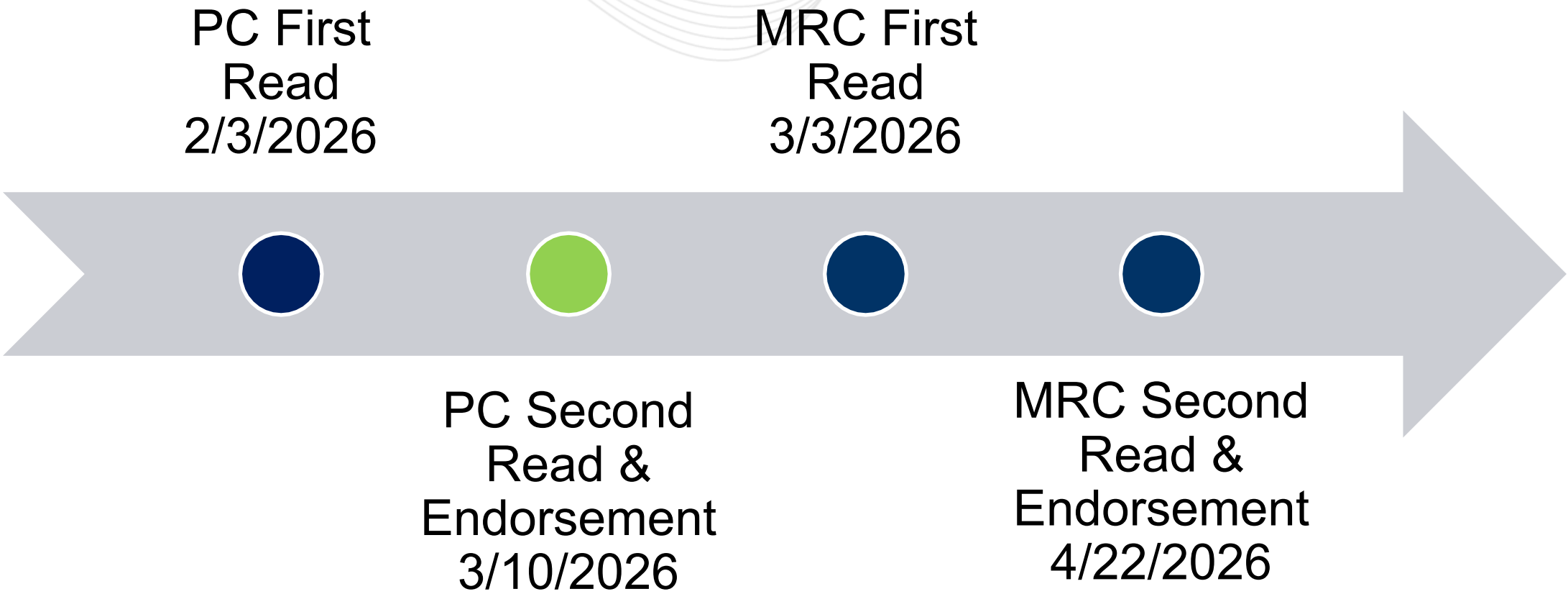
- The existing block dispatch methodology in planning manual 14B models batteries offline in the planning base case, but the units are available to be ramped in the generator deliverability study.
- Allowing the batteries to be dispatched in the RTEP base cases will increase available generation (tied to actual projects part of the interconnection queue).
  - This change provides better alignment with RTEP planning assumptions, state policies and queued projects part of PJM interconnection process(es).

One PJM Manual has been identified as having specific references requiring revisions:

- Manual-14B PJM Region Transmission Planning Process

The target effective date of the revised M14B Revision 59 is scheduled for April 22, 2026.

Review of Endorsement/Approval Timeline



Appendix C.3.1.3 General Procedures and Assumptions

ENC: as per Reliability Assurance Agreement refers to (ii) for each Limited Duration Resource, the sustained level of output that the unit can provide and maintain over a continuous period, whereby the duration of that continuous period matches the characteristic duration of the corresponding ELCC Class, with consideration given to ambient conditions expected to exist at the time of PJM system peak load, to the extent that such conditions impact such resource's capability, not to exceed the Maximum Facility Output (or, for a Co-Located Resource, the applicable share of the Mixed Technology Facility's Maximum Facility Output). For the 2025/2026 Delivery Year and subsequent Delivery Years, the Effective Nameplate Capacity of each Limited Duration Resource shall not exceed the greater of the Capacity Interconnection Rights of such Limited Duration Resource, or the transitional system capability as limited by the transitional resource MW ceiling as defined in the PJM Manuals, awarded for the applicable Delivery Year.

Table 1 – Block Dispatch for RTEP Base Cases

Block	Resource Type	Initial Dispatch
1	Nuclear	PMAX * (1 - PJM Avg EEFORd)
	Wind	Capacity Factor
	Solar	Capacity Factor
	Pumped Hydro	PMIN * (1 – PJM Avg EEFORd) LL; PMAX * (1 - PJM Avg EEFORd) Winter & Summer
	Non-Pumped Hydro	PMAX * (1 - PJM Avg EEFORd)
	Other Renewable	PMAX * (1 - PJM Avg EEFORd)
	Battery	LL: Charging at ENC * (1 - PJM Avg EEFORd)
2	Coal	PMAX * (1 - PJM Avg EEFORd)
	Combined Cycle	PMAX * (1 - PJM Avg EEFORd)
3	Simple Cycle	PMAX * (1 - PJM Avg EEFORd)
	Battery	• SUM: Min ($\frac{ENC * Storage\ Duration}{4}$, ENC) * (1 - PJM Avg EEFORd) • WIN: Min ($\frac{ENC * Storage\ Duration}{8}$, ENC) * (1 - PJM Avg EEFORd)

Note 1: PMAX represents the unit's maximum output for the period. Note 2: Capacity Factor represents the average output for the period. Note 3: In summer, PMAX is replaced with the lower of the Capacity Factor or Capacity Interconnection Rights (CIRs). Note 4: Effective Nameplate Capacity (ENC) as defined in the Reliability Assurance Agreement. ~~Note 4: Batteries will be modeled offline but available to be ramped.~~ Note 5: In the light load case, the closed loop hybrid plant output cannot be charged from the system.

Contact

Facilitator:
Megan Heater,
Megan.Heater@pjm.com

Secretary:
Nicole Bugay,
Nicole.Bugay@pjm.com

SME/Presenter:
Julia Spatafore
Julia.Spatafore@pjm.com

Manual 14B Updates for Batter Dispatch
Summary of Changes

Member Hotline

(610) 666 – 8980

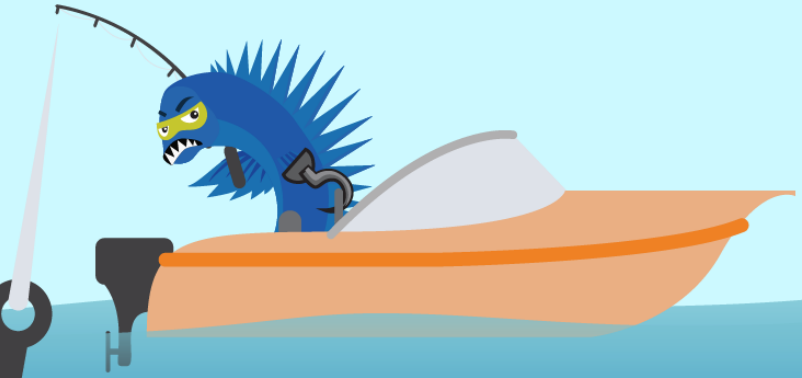
(866) 400 – 8980

custsvc@pjm.com

PROTECT THE POWER GRID

THINK BEFORE YOU CLICK!

pjm



BE ALERT TO MALICIOUS PHISHING EMAILS

Report suspicious email activity to PJM.

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