

INTERIM DELIVERABILITY STUDY ADJUSTMENT

PROBLEM / OPPORTUNITY STATEMENT

Resource adequacy is quickly becoming a challenge for PJM Operations. This can be easily seen by the sharp increase in EEA-1 declarations in the current operation year which has not yet even completed. A NERC Energy Emergency Alert (EEA) Level 1 (EEA-1) is a notice issued by a Balancing Authority (BA) when all available generation resources are committed to meet electricity demand, firm transactions, and reserve commitments, and there are concerns about maintaining required contingency reserves.

By simple inference, PJM has a stronger need for additional generation than in past years. As demonstrated in several presentations across multiple stakeholder forums, this trend is only going to continue with an expected increase in generator retirements and an expected increase in large load additions.

PJM is committed to maintaining safety and reliability not only within Operations but across the entire organization. With this common goal in mind, PJM Planning is proposing a quick fix to its interim deliverability study process. As part of the status quo procedure, generators make seek an additional interim deliverability study to determine if newly built generation is deliverable prior to its studied delivery year or prior to needed transmission network upgrades being completed. This is generally an “all or nothing” study result – either the generator is found deliverable for the delivery year or it is not. If it is not, then it is not able to come online as a result of the expected contribution to congestion to the existing transmission configuration.

However, as PJM Operations is experiencing a decrease in available generation, there is a desire to allow generators that fail the interim deliverability study to be passed to PJM Operations and be studied for any amount of energy-only operation dependent on real-time system conditions.

The procedure for running these studies is located in M-14H section 4.10.1 “Interim Deliverability Studies”. As such, PJM is seeking to add additional language that will allow for the additional possibility for energy-only operation under certain conditions prior to the required network upgrades for the new interconnection generation is completed.

The timing of this change as a quick fix is imperative as the results of the June, 2026 delivery year are scheduled to be released by the end of September, 2025. By doing an endorsement of the changes at the September 25, 2025 MRC will allow for the changes to be incorporated into the results provided for the next coming study.