

## PJM Manual Metering Requirements

### Problem / Opportunity Statement

Metering Requirements in Manual 01 need re-examination and revision:

- PJM metering standards and requirements in Manual 01 are due for an update to resolve long-standing clarity and readability issues. The re-write for clarity has caused some members to examine the text closer and reconsider the intended meaning. Some gaps have been revealed between PJM intended meaning and member understanding and actions.
- Because the topic of metering, in particular accuracy, often involves nuanced technical discussion, in addition to significant operational, market and compliance impacts, a task force would create a space where company SMEs could focus on a balanced and reasoned approach to updating Manual 01.
- Beyond edits for clarity and readability, several important metering topics need to be reconsidered to complete a comprehensive update, for example meter maintenance and calibration standards.
- Metering is a core issue for PJM and PJM members. Monitoring and revenue meters are a significant capital investment for members. Some NERC requirements pertain to transmission metering, and PJM Manuals layout requirements, so compliance is an issue. The accuracy and reliability of metering is foundational to core operation and market functions like State Estimation and Settlement.
- The task force will engage metering technical and policy topics. The first goal will be to revise Manual 01 for clarity, readability and organization. From that point of common understanding and sound organization, the second goal will be to revise Manual 01 for new or updated requirements. All changes will be reviewed and balanced among competing design considerations; in-field expense, consistency with PJM Manuals, Tariff and any other applicable governing documents, operational and market needs of PJM and members, etc.
- Through SIS, SOS, OC and MRC, the Manual 01 R30 proposal and review process has catalyzed deeper review of the Manual 01 metering requirements. That portion of R30 has been delayed for R31 to create time for this task force to work and find consensus.
- Without a task force to directly address metering and metering requirement issues, the standard committee review process may be inadequate to find consensus amongst stakeholders. Without a comprehensive review of Manual 01 metering requirements, identified ambiguity and associated risk will persist, potentially exacerbating downstream compliance, operational and market issues.



## Problem Statement

*More detailed instructions and next steps in the process available in M34, Section 6.2: Issue Identification.*