



PJM Manual M14D, Rev. 37

Summary of Changes

PJM Committees
Nov / Dec, 2015

- Introduction – Added reference to eDART User Guide and eGADS User Manual
- Exhibit 10 – Light Load Procedures - Included Minimum Generation Advisory and revised Minimum Generation limits to 2,500 MW to align with M-13
- Sections 7.3.1, 7.3.2, and 7.3.3 – Added definitions of Generator Planned, Maintenance, and Forced Outages respectively
- Attachment A – New Generator Checklist - Updated per current process and added reference to PJM's Member Relations department
- Attachment M – Wind Unit Dispatchability Check List - Updated URL for Wind Specific Requirements for PJM Wind Resources

- Section 7.3.4 and Att. E.3 - Generating Unit Reactive Capability Reporting – added operating procedure limit as a potential real-time limitation to reactive capability
- Attachment D: PJM Generating Unit Reactive Capability Curve Specification and Reporting Procedures – added additional data requirements for reporting the Continuous Generating Unit and Synchronous Condenser Reactive Capability Curves

- Attachment E: PJM Generator and Synchronous Condenser Reactive Capability Testing:
 - E.2 – General Requirements
 - added preferred test times for maximum MW output lag and minimum MW output lead tests to facilitate successful reactive test results
 - added reference to Manual M-21 for Real Power testing
 - E.3 Testing Requirements
 - added requirement that the automatic voltage regulator shall be in service during the testing to align with MOD-025-2
 - added language that allows deviations from the assigned voltage schedule to optimize reactive test results. Deviations require approval from Transmission Owner and PJM.
 - E.4.1 MOC (or LCC if testing a synchronous condenser) Actions
 - enhanced telemetry check requirements prior to performing a reactive test
 - highlighted existing notation if a unit is unable to achieve its stated capability

- Attachment E: PJM Generator and Synchronous Condenser Reactive Capability Testing (cont'd)
 - E8.4 Facilities Testing Below 5% - added notations about testing during the PJM preferred time frames as noted in Section E.2 and following the procedure described in Note 1 under E.4.1
 - E.10 Sample forms – revised Reactive Capability Testing Form Sheet 1

- Attachment L: Applicability to Jointly Owned Units
- Action item as a result of Cold Weather Report
 - Develop operating procedure for handling joint-owned units
- Multiple Owner Communication had potential to cause confusion between operators in control room
- Leveraged Existing Wind Farm Communications Model (Attachment L)
 - Expand applicability to all jointly owned units
 - Impacts 11 units, 3 owners
 - PJM is working with owners to make changes to eDart