

<b>Effective Date</b>	December 15, 2021
<b>Impacted Manual #(s)/Manual Title(s):</b>	
M-14-D: Generator Operational Requirements, Revision 58	
<b>Conforming Order(s):</b>	
None	
<b>Associated Issue Tracking Title:</b>	N/A
<b>Committee Approval Path - What committee(s) have already seen these changes?</b>	
Planned committee reviews/endorsements:  SOS: October 4, 2021, November 1, 2021 RSCS and TTMS: October 15, 2021 OC: October 7, 2021, November 4, 2021 (Endorsement) MRC: November 17, 2021, December 15, 2021 (Endorsement)	
<b>MRC 1<sup>st</sup> read date:</b>	November 17, 2021
<b>MRC voting date:</b>	December 15, 2021
<b>Impacted Manual sections:</b>	
See detailed list below	
<p><b>Reason for change:</b></p> <p><b>Periodic cover-to-cover review</b></p> <p><b>Section 1.2 Generator Commercial Naming Convention</b></p> <ul style="list-style-type: none"> <li>Clarified and provided additional guidance on acceptable Generating Facility naming</li> </ul> <p><b>Section 2.3 Generator Market Remodel</b></p> <ul style="list-style-type: none"> <li>Added new section under the Responsibilities of Generation Owners section to detail the generator market remodel process.</li> </ul> <p><b>Section 2.4 eDART Modeling</b></p> <ul style="list-style-type: none"> <li>Added new section under the Responsibilities of Generation Owners section to describe eDART modeling requirements previously covered in section 5.3.4 eDART.</li> </ul> <p><b>Section 3.3 Voice Communication Requirements for Generating Entities</b></p> <ul style="list-style-type: none"> <li>Removed references to ring-down phone lines to generating entities</li> </ul> <p><b>Section 5.3.3 PJM eRPM</b></p> <ul style="list-style-type: none"> <li>Renamed to PJM Capacity Exchange and removed references to eRPM</li> </ul> <p><b>Section 5.3.4 eDART</b></p>	

- Removed the last two paragraphs from this section and moved it to the new section 2.4 eDART Modeling.

**Section 5.4.4 Grid Accounting**

- Replaced references to eRPM with Capacity Exchange

**Section 5.7.2.7 eRPM account**

- Renamed to Capacity Exchange account

**Section 6.3.4, Other Requirements**

- Added requirements for Generating Facilities to provide cold weather operating data prior to entering commercial operations.

**Section 5.7.3 Process Timeline**

- Corrected the duration of attaining PJM membership after all required paperwork has been signed and received by PJM from 60 to 90 days.

**Section 7.3.1 Planned Outage**

- Clarified that eDART tool is used for submitting Planned Outages

**Section 7.3.2 Maintenance Outage**

- Clarified applicability to all generation resources

**Section 7.3.5 Fuel and Emissions Reporting**

- Renamed to Fuel, Emissions and Operational Data Reporting
- Clarified requirements and necessity for responding to data requests
- Renamed section to Operational Data Reporting

**Section 7.3.6 Generation Owner Periodic Tasks and Data Submittals**

- Added new section with guidelines to assist Generation Owners tracking periodic tasks, testing and data submittals.

**Section 8.2.1 Data Requirements for Wind Forecast Set Up**

- Clarified language, including title of section, to indicate that data is required for forecasting when there is a change to a wind farm in addition to when a wind farm first comes online

**Section 8.2.3 Real Time Meteorological Tower (or mutually agreed upon alternative source)**

- Modified format of temperature unit in table to be consistent with other parameters

**Section 8.2.6 Wind Power Forecast**

- Modified names and descriptions of types of forecasts to reflect the manner in which PJM currently uses forecast products

**Section 8.3 Forecast Data Usage**

- Aligned names and descriptions of types of forecasts with changes made in 8.2.6

**Section 9.1.1 Generator Deactivation Request**

- Renamed to Generator Deactivation Notice
- Updated Black Start resource termination requirements to reflect current Tariff requirements

- Updated language to be consistent with current business practice

**Section 9.1.2 Initial Analysis**

- Renamed to Deactivation Analysis
- Updated language to be consistent with current business practice

**Section 9.1.3 Analysis Results**

- Updated language to be consistent with current business practice and to reflect current Tariff requirements
- Updated Black Start resource termination revenue impacts to reflect current Tariff requirements

**Section 12.2.1 Data Requirements for Solar Forecast Set Up**

- Clarified language, including title of section, to indicate that data is required for forecasting when there is a change to a solar park in addition to when a solar park first comes online
- Added language stating that solar parks with multiple components (e.g. multiple panel models) need to provide data for each component
- Modified list to separate Maximum Facility Output (MW) from AC installed capacity of each component (MW)

**Section 12.2.2 Real Time Output**

- Added clarifying language regarding criteria that require real-time output telemetry
- Clarified requirements for hybrids and collocated resources to apply to all combinations of solar and other resources in addition to solar and storage resources

**Section 12.2.3 Real Time Meteorological Tower (or mutually agreed upon alternative source)**

- Clarified that type of real-time irradiance data required is Plane of Array (POA) irradiance
- Modified format of temperature unit in table to be consistent with other parameters

**Section 12.2.5 Solar Power Forecast**

- Modified names and descriptions of types of forecasts to reflect the manner in which PJM currently uses forecast products

**Section 12.3 Forecast Data Usage**

- Aligned names and descriptions of types of forecasts with changes made in 12.2.5

**Attachment N: Cold Weather Preparation Guideline and Checklist**

- Update existing links and added links to additional industry guidance for generation resource cold weather preparation
- Added recommendation to create “Emergency Freeze Protection Kits” at various plant locations