



# Manual 12, 11 & 28 Redlines

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## Manual Language

- August 23<sup>rd</sup> MRC – endorse Performance Score Calculation, RegD, Two-part Offer and Settlement, Reduced Reg Requirement and Performance Thresholds
- As system implementation allows, earlier effective date for the following sections in Manual 12 – Balancing Operations to allow resources to qualify for RegD prior to October 1
  - **§4.4.2 Regulation Signals**
  - **§4.5.1 Regulation Qualification Test**
  - **§4.5.2 Certifying Regulating Resource**
  - **§4.5.4 Increasing Regulation Capability on a Resource**
  - **§4.5.6 Performance Score Calculation**
  - **§4.5.7 Performance Groups**
- The rest of the sections in Manual 12, all sections in Manual 11 and all sections in Manual are effective October 1<sup>st</sup>.

## Reviewed for first read at the July 26<sup>th</sup> MRC:

- **§2.1.2 PC Applications**
- **§3.1.2 PJM Control Implementation**
- **§3.1.3 PJM Member Control Implementation**
- **§4.4.2 Regulation Signals \***
- **§4.5.1 Regulation Qualification Test \***
- **§4.5.2 Certifying Regulating Resource \***
- **§4.5.3 Certifying Multiple Combustion Turbines or Hydro Units at a Single Site \***
- **§4.5.4 Increasing Regulation Capability on a Resource \***
- **§4.5.5 Disqualification and Requalification of a Regulating**
- **§4.5.6 Performance Score Calculation\***
- **§4.5.7 Performance Groups \***

\* may be effective prior to Oct 1

## RPSTF recommends the following changes:

- From the July 31<sup>st</sup> Meeting
  - ***§4.5.2 Certifying Regulating Resource*** and ***§4.5.4 Increasing Regulation Capability*** to allow one self tests for qualification and for increasing regulation qualified MWs
- From the August 9<sup>th</sup> Meeting
  - ***§4.4.1 PJM RTO Regulation Market Obligations*** and ***§4.4.3 Determining Regulation Assignments*** for consistency in decreasing the Regulation Requirement from 1% to .9%.
- Errata- Italics used throughout body

## Reviewed for first read at the July 26<sup>th</sup> MRC:

- ***§1.1 PJM Responsibilities***
- ***§2.5 Unit Dispatch System***
- ***§3.1 Overview of the PJM Regulation Market***
- ***§3.2.1 Regulation Market Eligibility***
- ***§3.2.4 Regulation Requirement Determination***
- ***§3.2.6 Regulation Offer Period***
- ***§3.2.7 Regulation Market Clearing and Dispatch – Impacted by 205 Filing***
- ***§3.2.10 Settlements***
- ***§5.2.7 ASO***
- ***§6.1.1 PJM Regulation Requirement***

RPSTF recommends the following changes:

- From the July 31<sup>st</sup> Meeting
  - **§3.2.7 Regulation Market Clearing and Dispatch** changes made to reflect 205 Filing for used of effective MWs in clearing
- From the August 9<sup>th</sup> Meeting
  - **§3.2.4 Regulation Requirement Determination** and **§6.1.1 PJM Regulation Requirement** for consistency in citing **Manual 12 – Balancing Operations, §4.4.3 Determining Regulation Assignments** for the regulation requirement
  - Errata– **§3.2.8 Hydro Units** changed to reflect order in **Manual 28 – Operating Agreement Accounting**

Reviewed for first read at the July 26<sup>th</sup> MRC:

- ***§4.1 Regulation Accounting Overview***
- ***§4.2 Regulation Credits – Impacted by 205 Filing***
- ***§4.3 Regulation Charges***

## RPSTF recommends the following changes:

- From the July 31<sup>st</sup> Meeting
  - **§4.2 Regulation Credits** changes made to reflect 205 Filing for used of effective MWs in clearing
- From the August 9<sup>th</sup> Meeting
  - **§4.3 Regulation Charges** changes made to reflect 205 Filing for used of effective MWs in clearing
    - With one objection



The following manuals should also be updated to be in compliance with M11, M12 and M28 and the OATT as well as OA.

- ***Manual 10-Pre Scheduling Operations***
  - ***§4.1.2 Regulating Resource Characteristics***
- ***Manual 13 – Emergency Operations***
  - ***§2.2 Reserve Requirements***
- ***Manual 14D –Generator Operational Requirements***
  - ***§4.1.4 EMS Data Exchange***
  - ***§4.1.6 Supervisory Control and Data Acquisition***
  - ***§5.1.2 Regulation Market***
- ***Manual 35 – Definitions and Acronyms***
  - ***§2 Definitions***