

FERC Order 845 Second Compliance Filing Manual 14A / 14B / 14G Changes

Onyinye Caven
Interconnection Projects
Markets and Reliability Committee
August 20, 2020

FERC Order 845 Second Compliance Filing Tariff Changes

- Surplus Interconnection Service (Manual 14G)
- Incorporation of Technological Advancements (Manuals 14A, 14B and 14G)

Surplus Interconnection Service

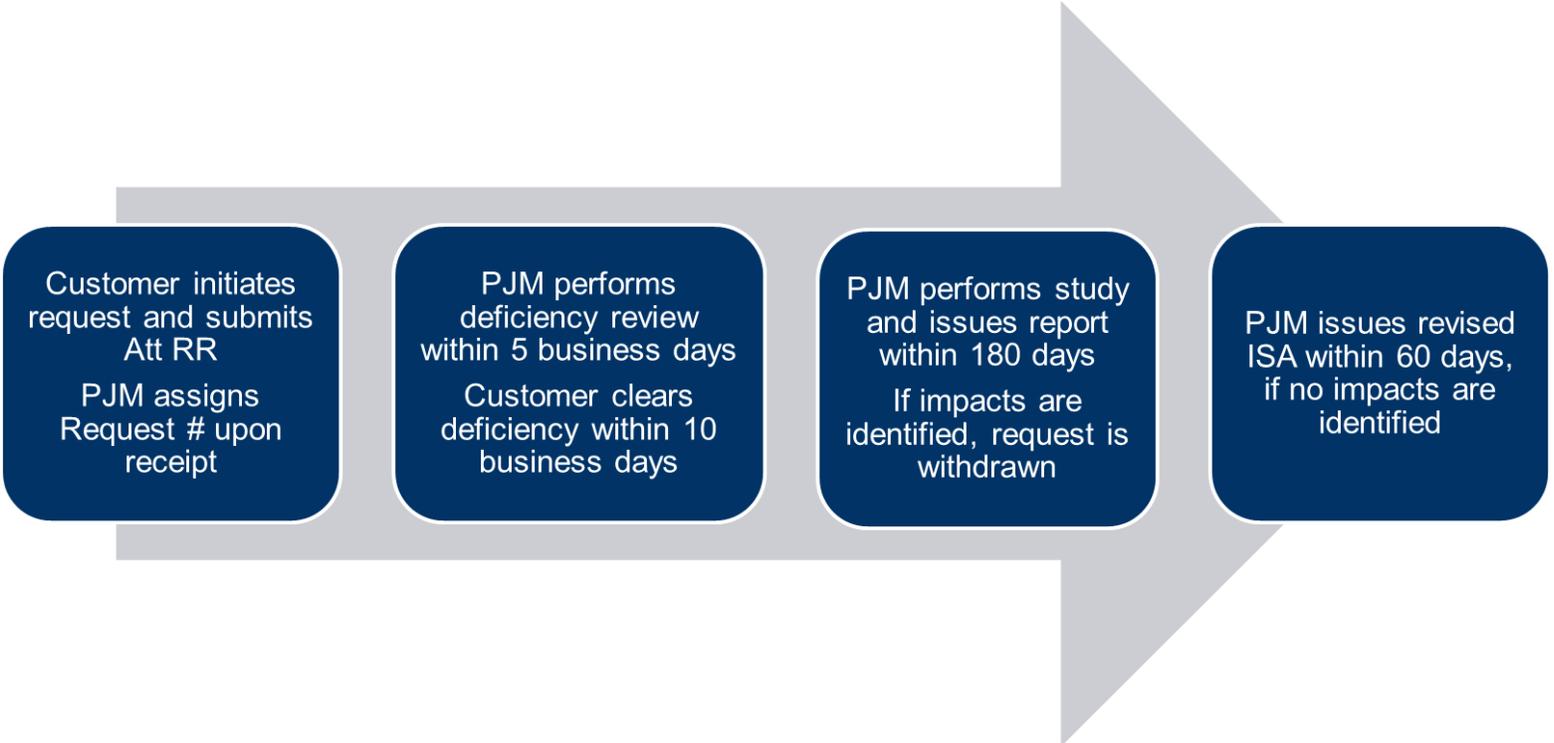
- New Tariff definitions for Surplus Interconnection Customer, Surplus Interconnection Requests and Surplus Interconnection Service
- New Tariff Agreement Attachment RR – Form of Surplus Interconnection Study Agreement
- New section 36.1.1B – details the requirements for Surplus Interconnection Service and the deficiency review process for such requests (similar to section 36.1.01 for generation interconnection requests)
- New Section 36.4 – details process for evaluating Surplus Interconnection Requests outside of the New Services Queue

Section 1.9 Surplus Interconnection Request

- Added Definition of Surplus Interconnection Service
 - *Surplus Interconnection Service refers to any unused portion of interconnection service established in an ISA, such that if the service is used, the total amount of Interconnection Service at the Point of Interconnection would remain the same.*
- Added example illustrating Surplus Interconnection Service
- Outlined requirements for approval of Surplus Interconnection Request:
 - No new network upgrades required to accommodate the request
 - No impacts affecting the determination of upgrades necessary for customers in the New Service Queue
 - No material impacts on the transmission system

- Outlined Surplus Interconnection Request Process

Section 1.9.1
Surplus Interconnection Request Process
 Sub-sections
 1.9.1.1-1.9.1.4



Section 1.9.2 Deactivation of Existing Generation Facility Providing Surplus Interconnection Service

- Deactivation prior to commercial operation of surplus unit:
 - No Surplus Interconnection Service offered
- Deactivation after commercial operation of surplus unit:
 - Up to 1 year of Surplus Interconnection Service offered if:
 - Surplus unit is studied at the POI for the sole operation, and
 - Owner of existing Generating Facility provides written consent

Attachment G

Surplus Interconnection Study Data

- Outlined data requirements for modelling Surplus Interconnection Service Requests
 - Similar to System Impact Study data requirements
- Data must be submitted via the Queue Point Tool on the PJM website

Incorporation of Technological Advancement

- New Tariff Definition for Permissible Technological Advancement
 - *“Permissible Technological Advancement” shall mean a proposed technological change such as an advancement to turbines, inverters, plant supervisory controls or other similar advancements to the technology proposed in the Interconnection Request that is submitted to the Transmission Provider no later than the return of an executed Facilities Study Agreement (or, if a Facilities Study is not required prior to the return of an executed Interconnection Service Agreement) provided such change does not: (i) increase the capability of the Generating Facility as specified in the original Interconnection Request; (ii) represent a different fuel type from the original Interconnection Request; or (iii) cause any material adverse impact(s) on the Transmission System*
- New Section 36.2A.2.2 outlining the evaluation procedure for technological advancement requests
- Section 207- Facilities Study Procedure – clarified that stability analysis will be performed during the Facilities Study

Section	Description
4.3.1 System Impact Study Analysis and Schedule	Deleted reference to performance of stability analysis in the System Impact Study phase
4.3.1.6 Stability Analysis	Deleted reference to performance of stability analysis in the System Impact Study phase
4.4 Facilities Study	Added clarification that stability analysis will be performed in the Facilities Study
4.4.1.1 Stability Analysis	Added new sub-section clarifying the requirement for evaluation to determine the need for stability analysis during the Facilities Study
5.2.1.1 Dynamic Model for Stability Studies	Clarified that failure to provide machine dynamic models for stability analysis may delay the Facilities Study
5.3.2 Generation and Transmission Interconnection Facilities Study Agreement	Clarified that proposed technological changes and associated modelling data must be provided prior to the execution of the Facilities Study Agreement (or ISA, if a Facilities Study is not required)

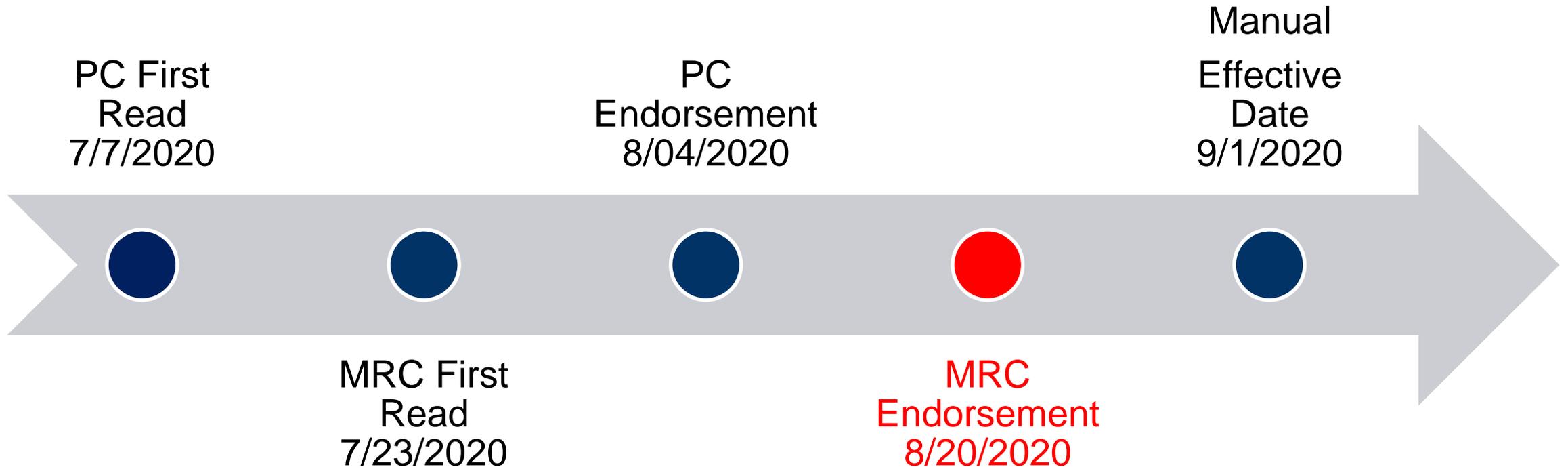
Section	Description
G.3 System Impact Study and Initial Study Stability Procedures	Renamed section to “New Services Queue Stability Study Procedures” Clarified that stability analysis is performed during the Facilities Study
G.3.1 Stability Data Requirements	Clarified that stability analysis is performed during the Facilities Study Clarified that changes to stability study data will be handled in accordance with PJM Tariff Section 36.2A - Modification of an Interconnection Request
G.3.2 System Impact Study Stability Scope and Process	Renamed section to “New Services Queue Stability Study Scope and Process” Clarified that stability analysis is performed in the Facilities Study
G.4 System Stability Study G.5.1 Wind Project Final Impact Study Data	Deleted reference to performance of stability analysis during the System Impact Study

Section	Description
<p>4.5 Changes to Existing or Proposed Generation</p>	<p>Clarified that an Interconnection Customer must submit to PJM in writing any modification to its project that causes the project’s capacity, location, configuration or technology to differ from any corresponding information provided in the Interconnection Request.</p>
<p>4.5.3 Incorporation of Technological Advancements</p>	<p>Added new section outlining the process for evaluating requests to incorporate technological advancements</p>

Effective Date

- Technological Advancement
Effective July 20, 2020
- Surplus Interconnection Service
Effective November 17, 2020

Review/Endorsement Timeline



Facilitator:
 Stu Bresler, Stu.Bresler@pjm.com

Secretary:
 Dave Anders, Dave.Anders@pjm.com

SME/Presenter:
 Onyinye Caven,
Onyinye.Caven@pjm.com

**FERC Order 845 Second Compliance Filing -
 Manuals 14A, 14B and 14G Revisions**



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com