

# Attachment M-3 Update

Aaron Berner Planning Committee July 7, 2020

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- Summary of Improvements since October 2019
- Efforts underway
- Review of Action Item List
- Stakeholder discussion

## Improvements

### Transmission Owners M-3 Process Guidelines

https://www.pjm.com/planning/rtep-development/stakeholder-process/trans-owners.aspx

pjm.com/planning/rtep-development/stakeholder-process/trans-owners.aspx

under PJM control including that for carrying out the development of a coordinated regional transmission expansion plan.

Learn more about the TOA-Administrative Committee.

#### Planning of Supplemental Projects

The PJM Transmission Owners Attachment M-3 Process Guidelines PDF have been developed and adopted by the transmission owners that plan supplemental projects through the FERC-approved process described in Attachment M-3 to the PJM Open Access Transmission Tariff. The guidelines, which are subject to change by the transmission owners that use them (listed in Appendix 1), provide general guidelines for the implementation of the M-3 process. The guidelines provide stakeholders with an understanding of the step-by-step interactive information exchange process under the M-3 process, including how they can best provide input at various stages of the process.

#### Load Growth & Forecasting

One of the core principles of PJM's planning process is the integration of all drivers that impact grid infrastructure planning needs and all solutions available to meet those needs. Load Forecasting is a fundamental, key driver of resource adequacy requirements and transmission expansion plans.

Learn more about the Load Forecasting Development Process or visit the Load Analysis Subcommittee page.

#### Applicable Transmission Owner Technical Requirements & Standards

Transmission owners must adhere to applicable technical requirements and standards. These include engineering design requirements and standards; equipment specification and suppliers; construction requirements and standards; and, engineering, procurement and construction process requirements and standards

Learn more about transmission owners design, engineering and construction guidelines and standards.

Guidelines for Attachment M-3 Process

#### 1 INTRODUCTION

PJM TRANSMISSION OWNERS AT IACHMENT M-3 PROCESS GUIDELINES 37 35

In this introductory section, you will find information about this guide, the purpose of this document, and the intended audience.

ipjm.com/-/media/planning/rtep-dev/pjm-to-attachment-m3-process-guidelines.ashx?la=en

#### 1.1 About This Document

This document provides general guidelines to implement the FERC-approved PJM Tariff framework for planning Supplemental Projects under PJM Open Access Transmission Tariff (OATT) Attachment M-3 (the "M-3 Process"). These guidelines have been developed and adopted by the PJM Transmission Owners that plan Supplemental Projects through the M-3 Process and that are listed in Appendix 1 ("Transmission Owners"). These guidelines are subject to change from time to time and the Transmission Owners plan to review them on an annual basis. Additional PJM Transmission Owners that plan Supplemental Projects may also adopt these guidelines.

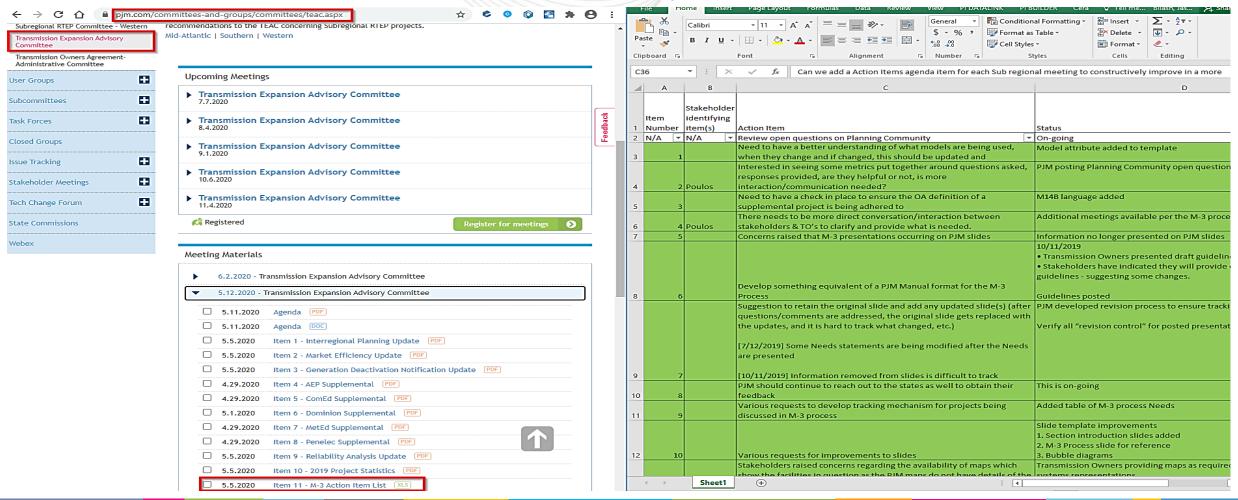
The uniform approach presented in these PJM Transmission Owners Attachment M-3 Process Guidelines ("Guidelines") provides all stakeholders with an understanding of the step-by-step interactive information exchange process under the M-3 Process, including how they can best provide input at various stages of the process. However, nothing in this document modifies Attachment M-3 in any respect or imposes obligations or confers any rights or privileges on PJM, Transmission Owners, or stakeholders. Accordingly, this document should be interpreted to be consistent with the provisions of Attachment M-3 and if anything in this document appears to be inconsistent with anything in Attachment M-3, the provisions of Attachment M-3



## Improvements

### M-3 Action list posted and noted on all TEAC agendas for review during committee meeting

https://pjm.com/committees-and-groups/committees/teac.aspx



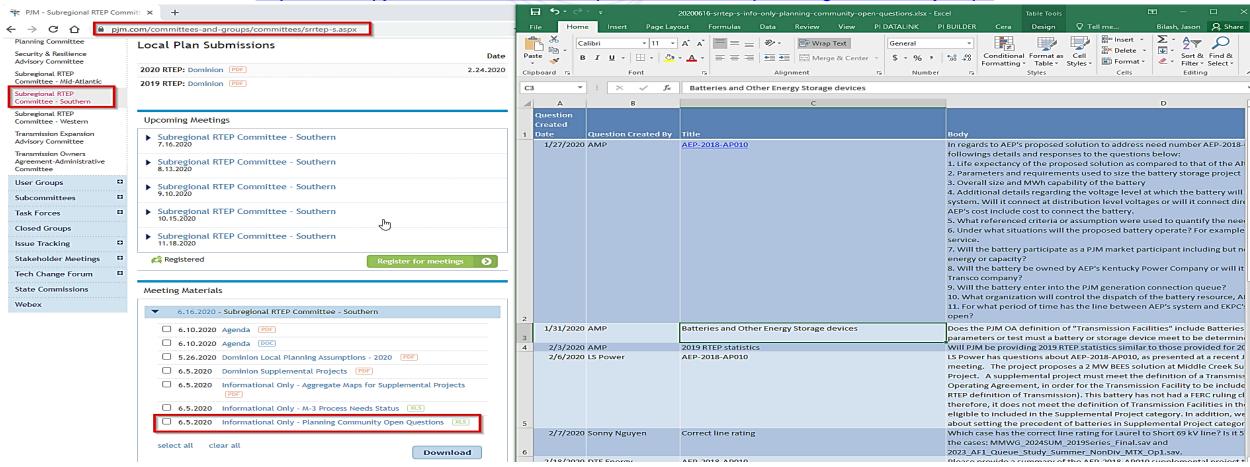
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## Improvements

Planning Community open questions posted and noted on all agendas for review during committee meetings

https://www.pjm.com/markets-and-operations/etools/planning-community.aspx







### Improved slide revision process based on stakeholder request

Need Number: AEP-2020-OH011

Process Stage: Need Meeting 02/21/2020

**Supplemental Project Driver:** 

Equipment Material/Condition/Performance/Risk

Specific Assumption Reference:

AEP Guidelines for Transmission Owner Identified Needs (AEP Assumptions Slide

8), AEP Presentation on Pre-1930s Lines

**Problem Statement:** 

Dexter - Rosewood 138kV (1927 Steel Lattice Line)

Length: 16.8 8.8 Miles

- Original Construction Type: Aluminum/Steel Lattice
- Original Conductor Type: 397.5 CM ACSR 30/7 (1926 vintage)
- Momentary/Permanent Outages: 3 total outages over last 5 years

Total structure count: 68 38

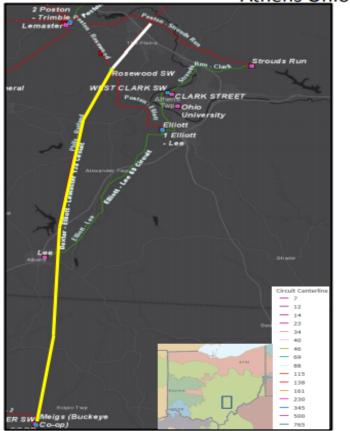
- Please reference needs materials on pre-1930s era lattice lines
- There is an additional 2.5 miles of the 1920's Philo Rutland lattice line which is de-energized and runs through the middle of The Plains community north of Athens

Model: N/A

The remaining 8 miles out of Dexter will be captured under Need Number: AEP-2020-OH022

SRRTEP-Western - AEP Supplemental February 21, 2020

AEP Transmission Zone M-3 Process Athens Ohio



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## Map project

- Current presentation of maps involves manual insertion of objects in a database resulting in production of a static map
- Project being developed will allow more automated development of maps and present an interactive capability to display project elements
- PJM Improving internal processes
  - PJM developing expanded internal documentation to help PJM engineers in managing process steps
  - Adding tracking for age of M-3 needs



- Upgrade submission templates and portal project
  - Help PJM internal administrative functions
  - Works towards automatic population of database following a review of data
  - Project to include automated production of slides if needed to improve consistency in slide decks

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- Multiple issues previously identified were addressed in responses on Action Item list
- Requests for more information
- Requests for contact information at Transmission Owner organizations
- Ensure that Needs statements are updated if Solutions encompass work not easily identifiable as tied to the Need as it had been presented
- Requests to improve consistency in the presentations made by different Transmission Owners



- Requests to improve responses on Planning Community
- Request to add information on slides relating to other supplemental projects and baseline upgrades
- Requests to improve outage tracking/documentation on slides
- EOL facility replacement issues



# Open Stakeholder Discussion

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