

Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects

March 20, 2020

Needs

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process

Need Number: JCPL-2020-001

Process Stage: Need Meeting – 03/20/2020

Project Driver:

Operational Flexibility and Efficiency

Specific Assumption Reference:

Global Factors

- System reliability and performance
- Reliability of Non-BES facilities
- Load at risk in planning and operational scenarios

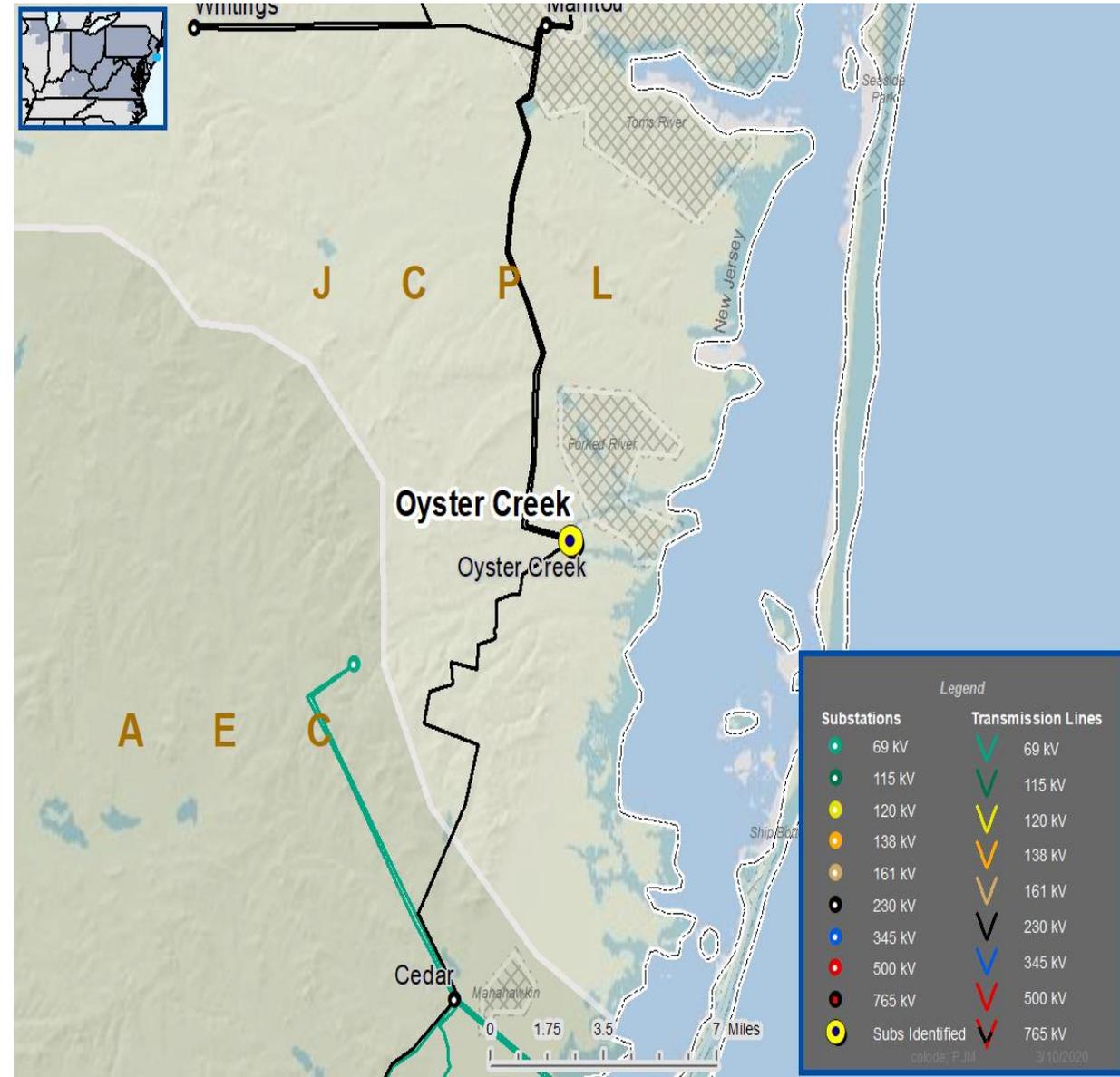
Add/Replace Transformers

- System concerns related to loss of an existing transformer or other contingency scenarios at a specific voltage level(s)

Problem Statement:

Oyster Creek substation serves approximately 30,300 customers and 120 MW of load. Loss of the Oyster Creek #7 and #8 230-34.5 kV transformers results in a local voltage collapse with the Oyster Creek – Bamber Lake – Whitings (Q121) 34.5 kV line overloaded >125% of its 52 MVA SE rating.

Model: PJM RTEP 2024



Questions?



Appendix

High level M-3 Meeting Schedule

Assumptions	Activity	Timing
	Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
	Stakeholder comments	10 days after Assumptions Meeting
Needs	Activity	Timing
	TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
	Stakeholder comments	10 days after Needs Meeting
Solutions	Activity	Timing
	TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
	Stakeholder comments	10 days after Solutions Meeting
Submission of Supplemental Projects & Local Plan	Activity	Timing
	Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
	Post selected solution(s)	Following completion of DNH analysis
	Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
	Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions

Revision History

3/10/2020 – V1 – Original version posted to pjm.com