

TEAC Committee AEP Supplemental Project

September 1, 2020

Solutions

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: AEP-2020-IM017

Process Stage: Solutions Meeting 09/01/2020

Previously Presented: Needs Meeting 05/12/2020

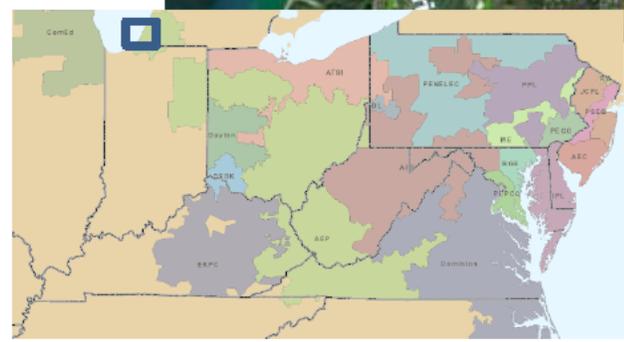
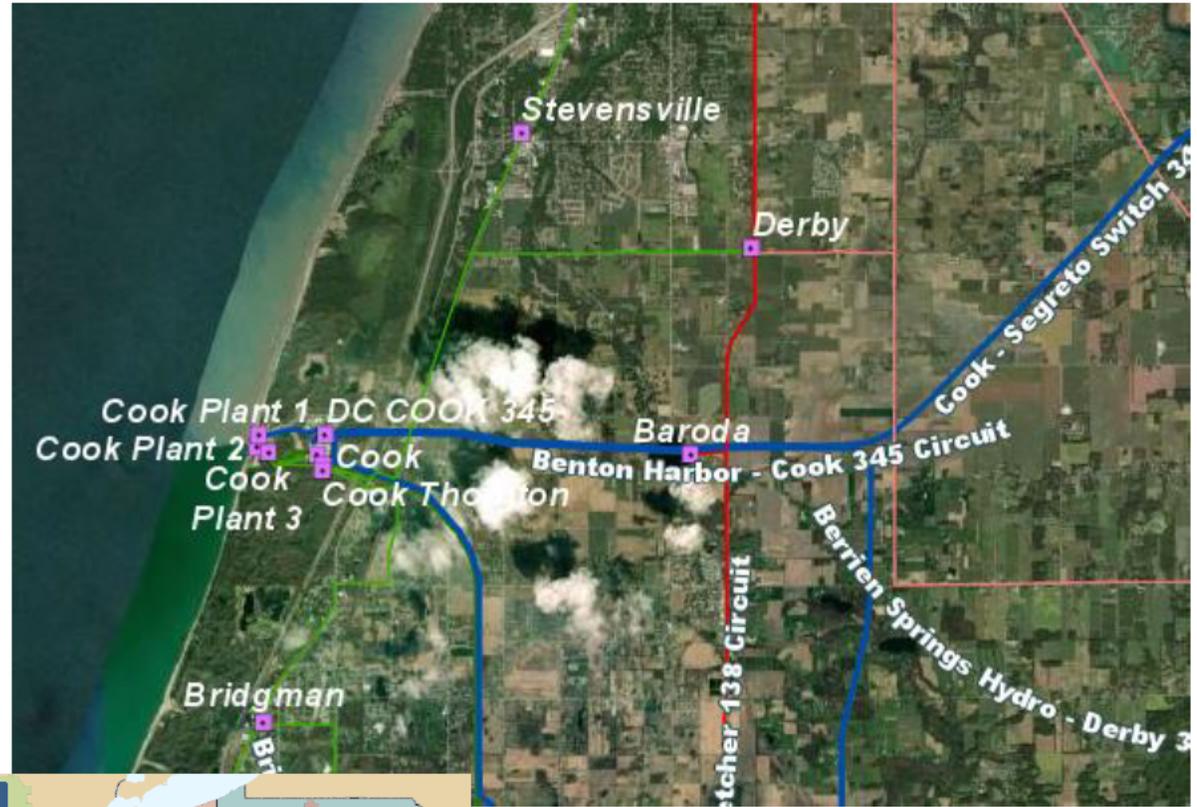
Supplemental Project Driver: Equipment Condition/Performance/Risk

Specific Assumptions Reference: AEP Guidelines for Transmission Owner Identified Needs (AEP Assumptions Slide 8)

Problem Statement:

DC Cook 765/345 Station

- 345kV CB N1 Failure
 - The 345kV CB failed internally on phase 2 in March 2020
 - The DC Cook 345kV CB N1 is an HVB362 type SF6 breaker
 - Manufactured in 2002
 - Breaker N1 had 2 fault interruptions since install date of 2003



AEP Transmission Zone M-3 Process DC Cook Breaker Failure

Need Number: AEP-2020-IM017

Process Stage: Solution Meeting 09/01/2020

Proposed Solution:

DC Cook 765/345 Station

Replace the failed 345kV Breaker N1.

Estimated Cost: \$300K

Proposed IS Date: 10/17/2020

Project Status: Scoping



DC Cook

Legend	
500 kV	
345 kV	
138 kV	
69 kV	
34.5 kV	
23 kV	
New	

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

8/21/2020 – V1 – Original version posted to pjm.com