

# Transmission Expansion Advisory Committee AEP Supplemental Projects

November 14, 2019

# 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:** AEP-2019-IM041

**Process Stage:** Needs Meeting 11/14/2019

**Supplemental Project Driver:** Equipment Condition/Performance/Risk

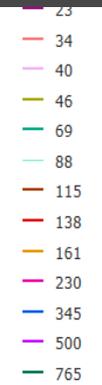
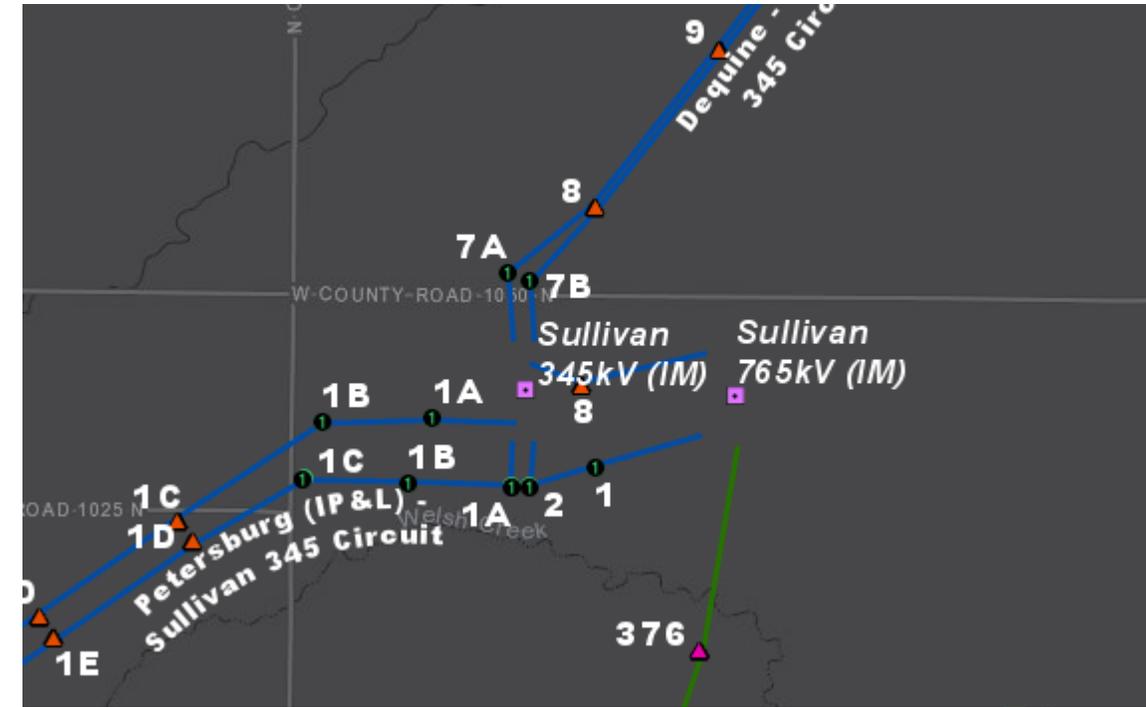
**Specific Assumptions Reference:** AEP Guidelines for Transmission Owner Identified Needs (AEP Assumptions Slide 8)

**Problem Statement:**

Sullivan 765/345kV Station

765kV CB A2

- The Sullivan CB A2 is an ELF-SL8-4 Type SF6 breaker.
- As of September 2019 there are 9 of these breakers remaining in AEP's system including CB A at this station which just recently failed under AEP-2019-IM036.
- Since 2002, there have been 16 documented issues with the 9 remaining breakers dealing primarily with compressor failures and failure to open/reclose.



# AEP Transmission Zone M-3 Process Rockport, Indiana

**Need Number:** AEP-2019-IM042

**Process Stage:** Needs Meeting 11/14/2019

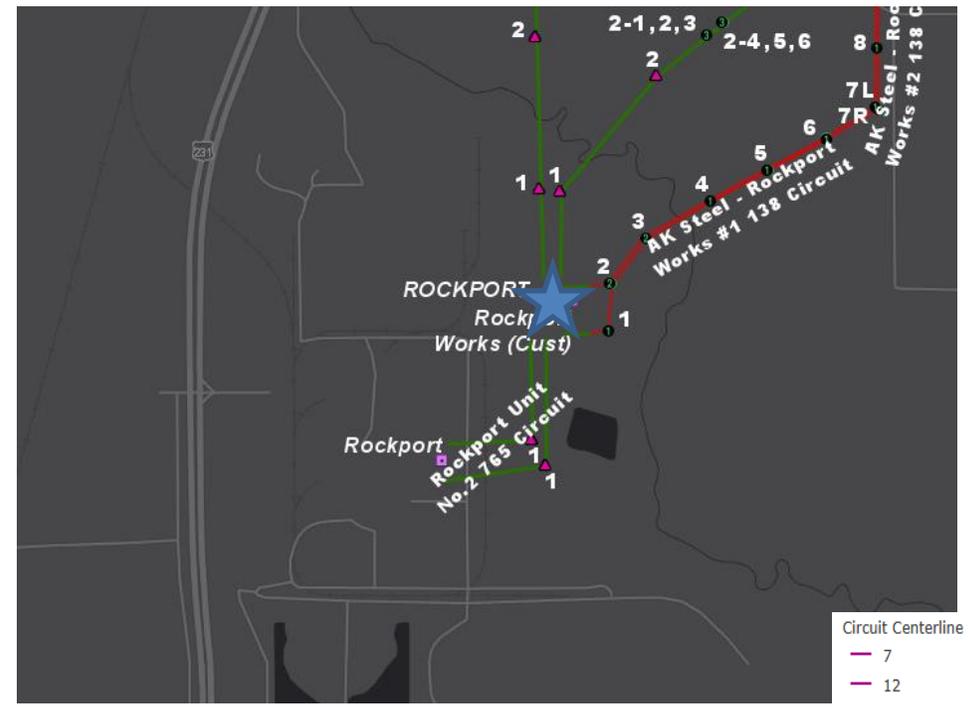
**Supplemental Project Driver:** Equipment Condition/Performance/Risk

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

**Problem Statement:**

Rockport 765kV Station  
765kV CB's A, B, B1, B2, C and C2

- These Rockport CB's are ELF-SL8-4 Type SF6 breakers.
- As of September 2019 there are 9 of these breakers remaining in AEP's system including CB A at Sullivan station which just recently failed under AEP-2019-IM036.
- Since 2002, there have been 16 documented issues with the 9 remaining breakers dealing primarily with compressor failures and failure to open/reclose.



# 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

11/04/2019 – V1 – Original version posted to pjm.com

11/15/2019 – V2 – Slide #4: Changed “CB A at this station” to “CB A at Sullivan station”

3/31/2020 – V3 – Slide #3 and #4: Corrected the dates