

# Transmission Expansion Advisory Committee AEP Supplemental Projects

September 12, 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

# AEP Transmission Zone M-3 Process Indiana Area

**Need Number:** AEP-2019-IM033

**Process Stage:** Needs Meeting 09/12/2019

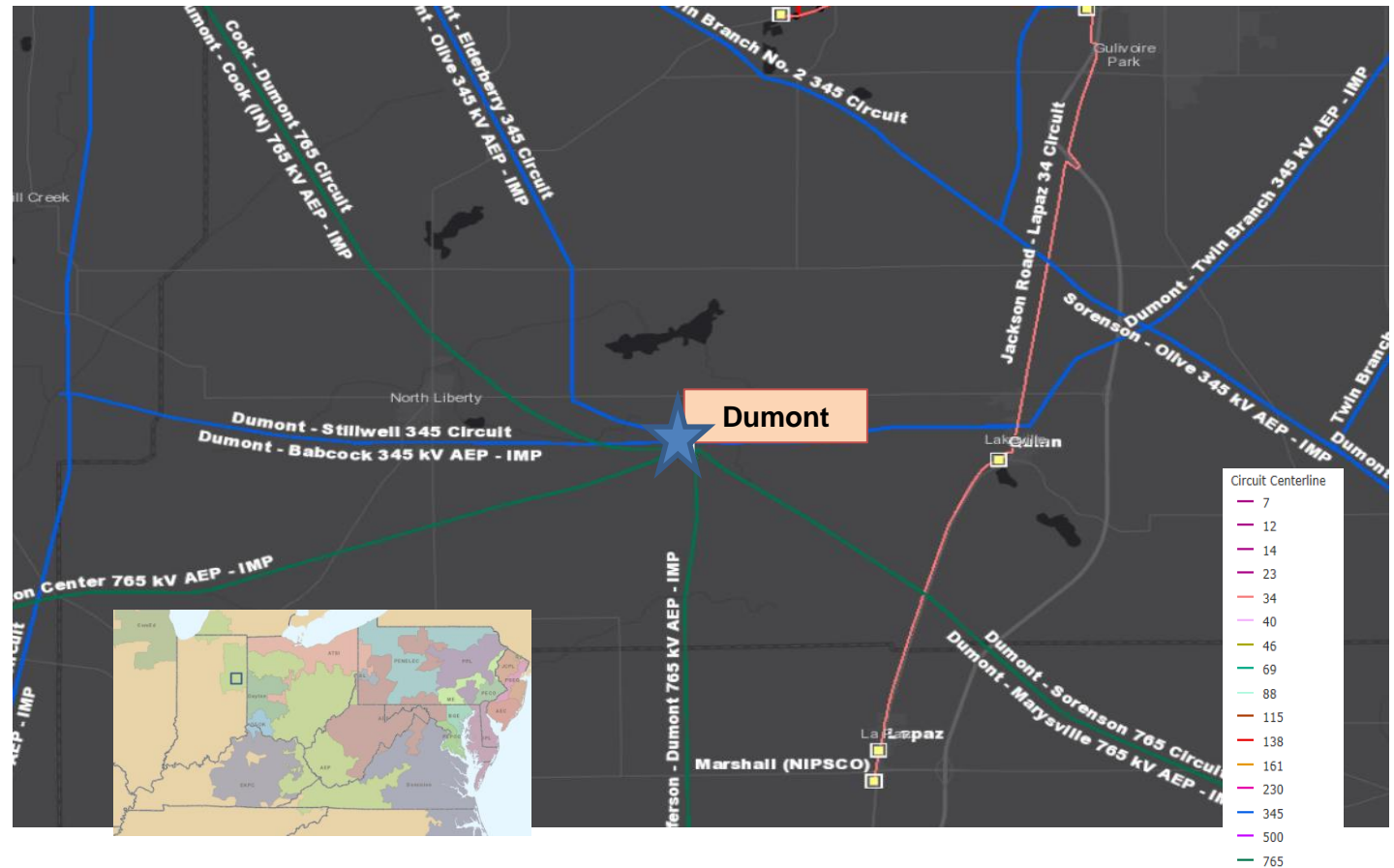
**Supplemental Project Driver:** Equipment  
Condition/Performance/Risk

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

**Problem Statement:**

Dumont 765kV Station

- Transformer #2 765/345kV
  - 1994 vintage
  - The TR#2 Phase 2 failed catastrophically in 2018.
  - This unit had increased ethylene and methane which increased dramatically after a 2016 Phase 3 failure.

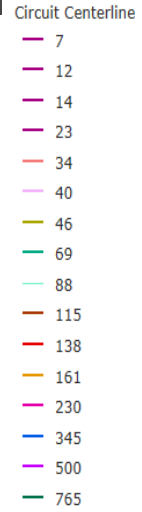
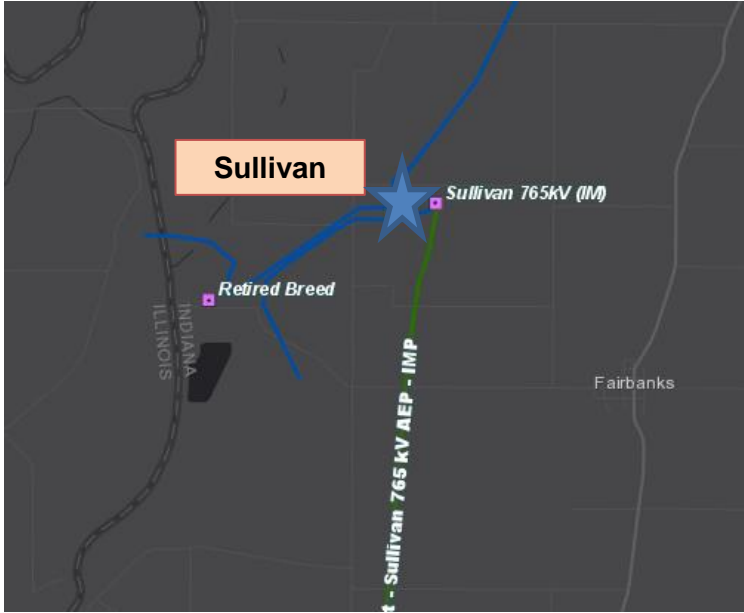


# AEP Transmission Zone M-3 Process Sullivan Breaker Failure

**Need Number:** AEP-2019-IM036  
**Process Stage:** Needs Meeting 09/12/2019  
**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 "A"
  - Legacy ELF type circuit breaker that has a record of failure within AEP.
  - Limited availability of parts should a failure event happen.
  - Breaker CT's are developing combustible gasses to the point where AEP has deemed this breaker a hazard and have disconnected it from the system until it's been replaced.



# 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

8/23/2019 – V1 – Original version posted to pjm.com

9/10/2019 – V2- Corrected from 345kV to 765kV CB “A” for AEP-2019-IM036 need on slide #4