

PJM TEAC Committee AEP Supplemental Projects

June 13, 2019

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

AEP Transmission Zone M-3 Process Adams, Franklin, Pickaway, & Pike Counties

Need Number: AEP-2019-OH010

Process Stage: Solutions Meeting 06/13/2019

Previously Presented: Needs Meeting 04/11/2019

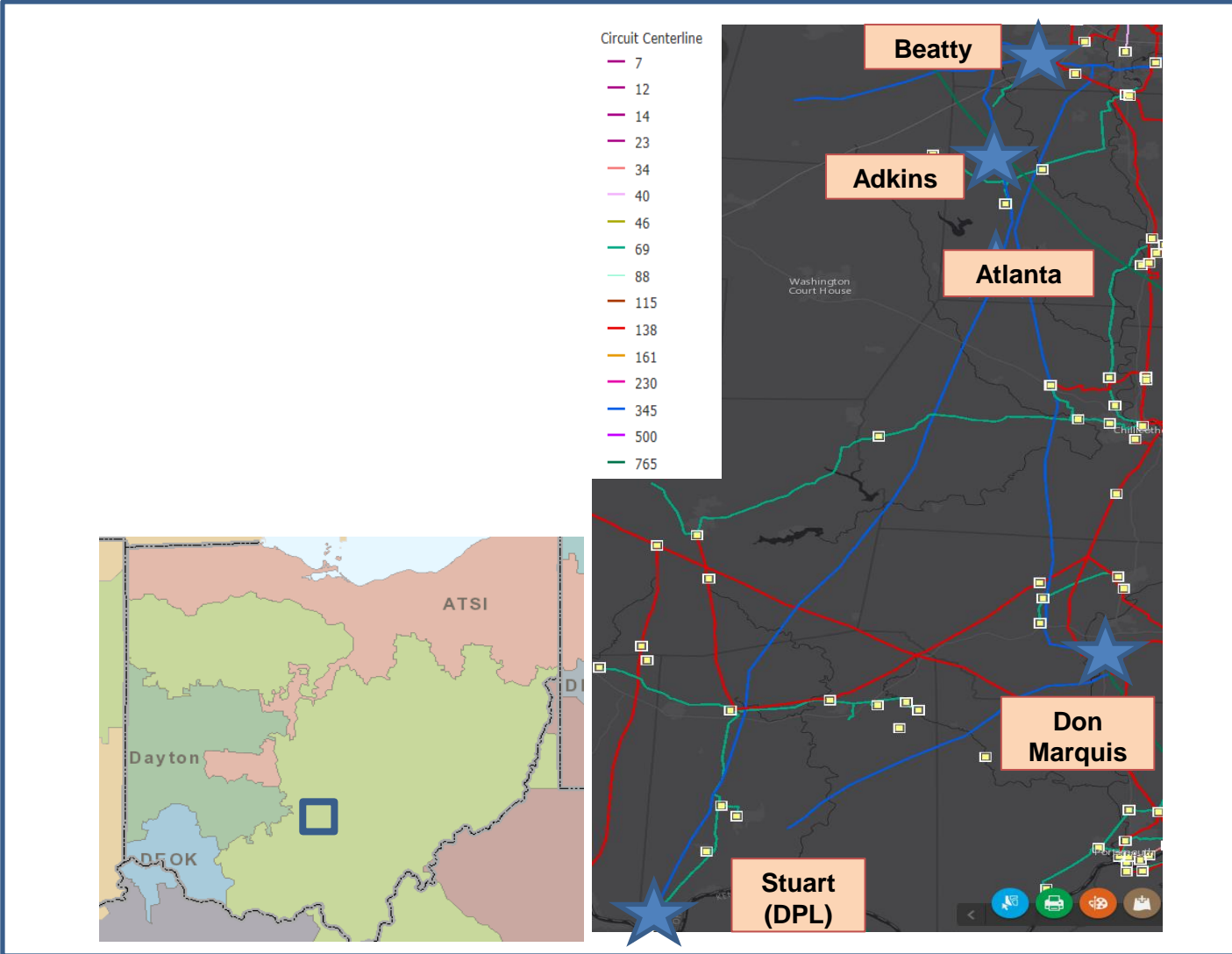
Supplemental Project Driver: Operational performance

Specific Assumption References: AEP Guidelines for Transmission
Owner Identified Needs

Problem Statement:

- Killen Plant is retiring and the 345kV taps to this plant will be de-energized. AEP has taken ownership of the Don Marquis-Stuart 345kV line and needs to bypass the Killen taps to complete the Don Marquis-Stuart 345kV circuit. AEP will take control of this circuit apply our rating methodology to it.

Model: 2023 Summer RTEP



AEP Transmission Zone M-3 Process Adams, Franklin, Pickaway, & Pike Counties

Need Number: AEP-2019-OH010

Process Stage: Solutions Meeting 06/13/2019

Potential Solution:

Re-energize the Don Marquis-Stuart 345 kV line between the existing taps.

Estimated Cost: \$0.6M

At Don Marquis station, upgrade relaying and retire intercompany metering on Stuart 345kV line.

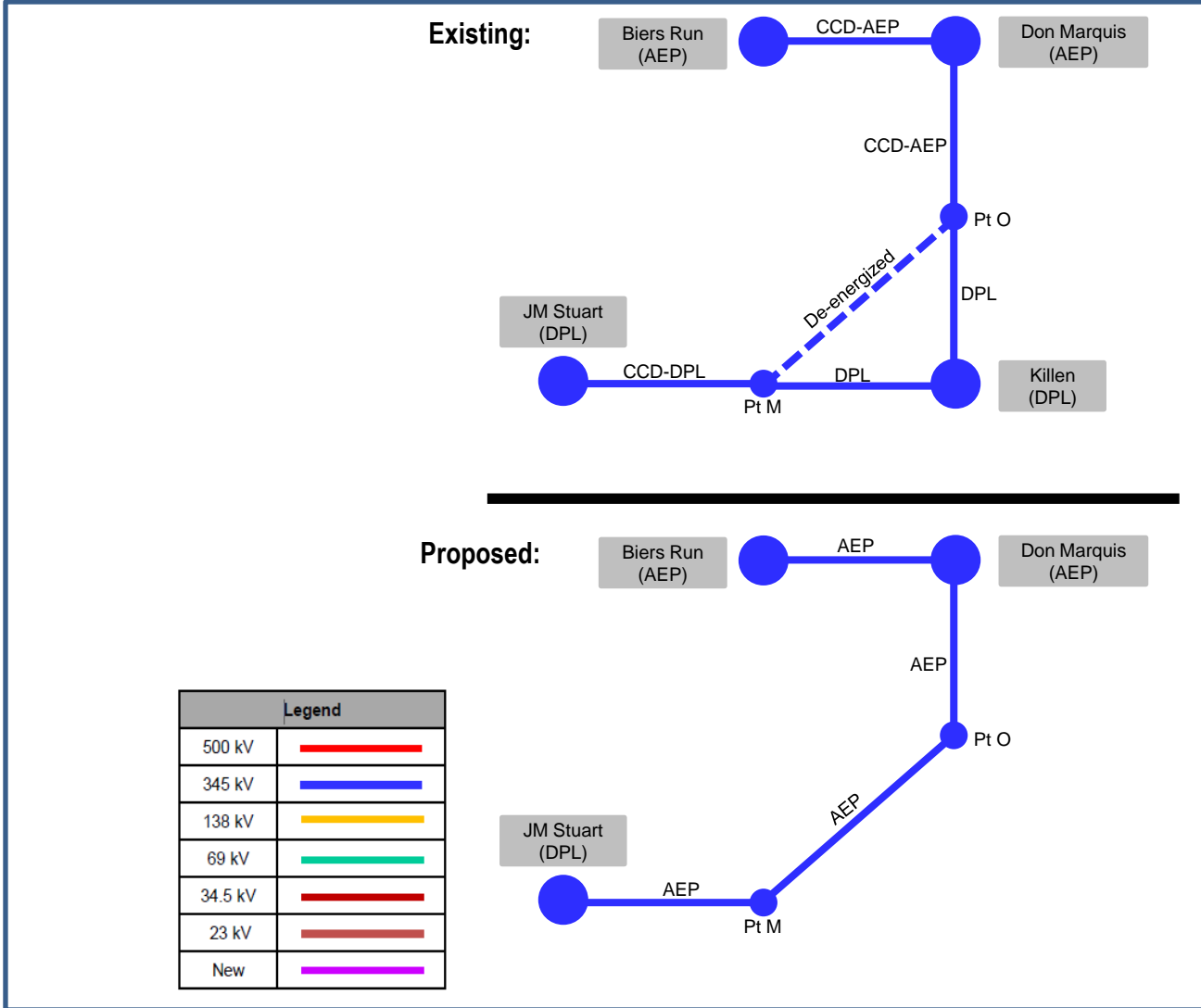
Estimated Cost: \$0.4M

Total Estimated Transmission Cost: \$1.0M

Alternatives Considered:

- No viable cost-effective transmission alternative was identified

Projected In-Service: 11/25/2019



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

5/30/2019 – V1 – Original version posted to pjm.com

6/13/2019 – V2 – Slide #4: Change Projected IS Date to 11/25/2019