Subregional RTEP Committee – Western

FirstEnergy Supplemental Projects

June 20, 2019
Submission of Supplemental Projects for Inclusion in the Local Plan
APS Transmission Zone M-3 Process
Pursley – Franklin 138 kV Line – Provide 138 kV Service

Need Number: APS-2019-001
Process State: Selected Solutions 6/12/2019
Previously Presented:
Need Meeting 1/11/2019
Solution Meeting 2/20/2019
Project Driver:
Customer Service
Specific Assumption Reference:
New customer connection request will be evaluated per FirstEnergy’s “Requirements for Transmission Connected Facilities” document and “Transmission Planning Criteria” document.
Problem Statement:
New Customer Connection – A customer requested 138 kV service; anticipated load is 15 MW; location is near the Pursley – Franklin 138 kV line.

Requested in-service date is June 2020.
APS Transmission Zone M-3 Process
Pursley – Franklin 138 kV Line – Provide 138 kV Service

Need Number: APS-2019-001

Process State: Submission of Supplemental Project for inclusion in the Local Plan 6/12/2019

Selected Solution:

Provide 138 kV Service

- Tap the existing Pursley – Franklin 138 kV line
- Install one 138 kV line switch (Franklin side)
- Install 138 kV switch on line to customer
- Construct single span of 138 kV line to customer substation

Estimated Cost: $0.14M

Projected In-Service: 6/1/2020

Supplemental Project ID: s1826

Project Status: Conceptual

Model: 2018 Series 2023 Summer RTEP 50/50
APS Transmission Zone M-3 Process
Fawn – Lawson Jct 138 kV Line – Provide 138 kV Service

Need Number: APS-2019-002
Process State: Selected Solutions 6/12/2019
Previously Presented:
Need Meeting 1/11/2019
Solution Meeting 2/20/2019
Project Driver:
Customer Service
Specific Assumption Reference:
New customer connection request will be evaluated per FirstEnergy’s “Requirements for Transmission Connected Facilities” document and “Transmission Planning Criteria” document.
Problem Statement:
New Customer Connection – A customer requested 138 kV service, anticipated load is 20 MW, location is near the Fawn – Lawson Jct 138 kV line.

Requested in-service date is July 2020.
APS Transmission Zone M-3 Process
Fawn – Lawson Jct 138 kV Line – Provide 138 kV Service

Need Number: APS-2019-002

Process State: Submission of Supplemental Project for inclusion in the Local Plan 6/12/2019

Selected Solution:
Provide 138 kV Service
- Tap the existing Fawn – Lawson Jct 138 kV line
- Install two 138 kV line switches
- Install 138 kV switch on line to customer
- Construct ~1.5 miles of 138 kV line to customer substation

Estimated Cost: $0.14M

Projected In-Service: 6/30/2020

Supplemental Project ID: s1827

Project Status: Conceptual

Model: 2018 Series 2023 Summer RTEP 50/50
Revision History

6/20/2019 – Original posting of s1826 & s1827

7/26/2019 – Reposted s1826 & s1827 with maps