

# 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*

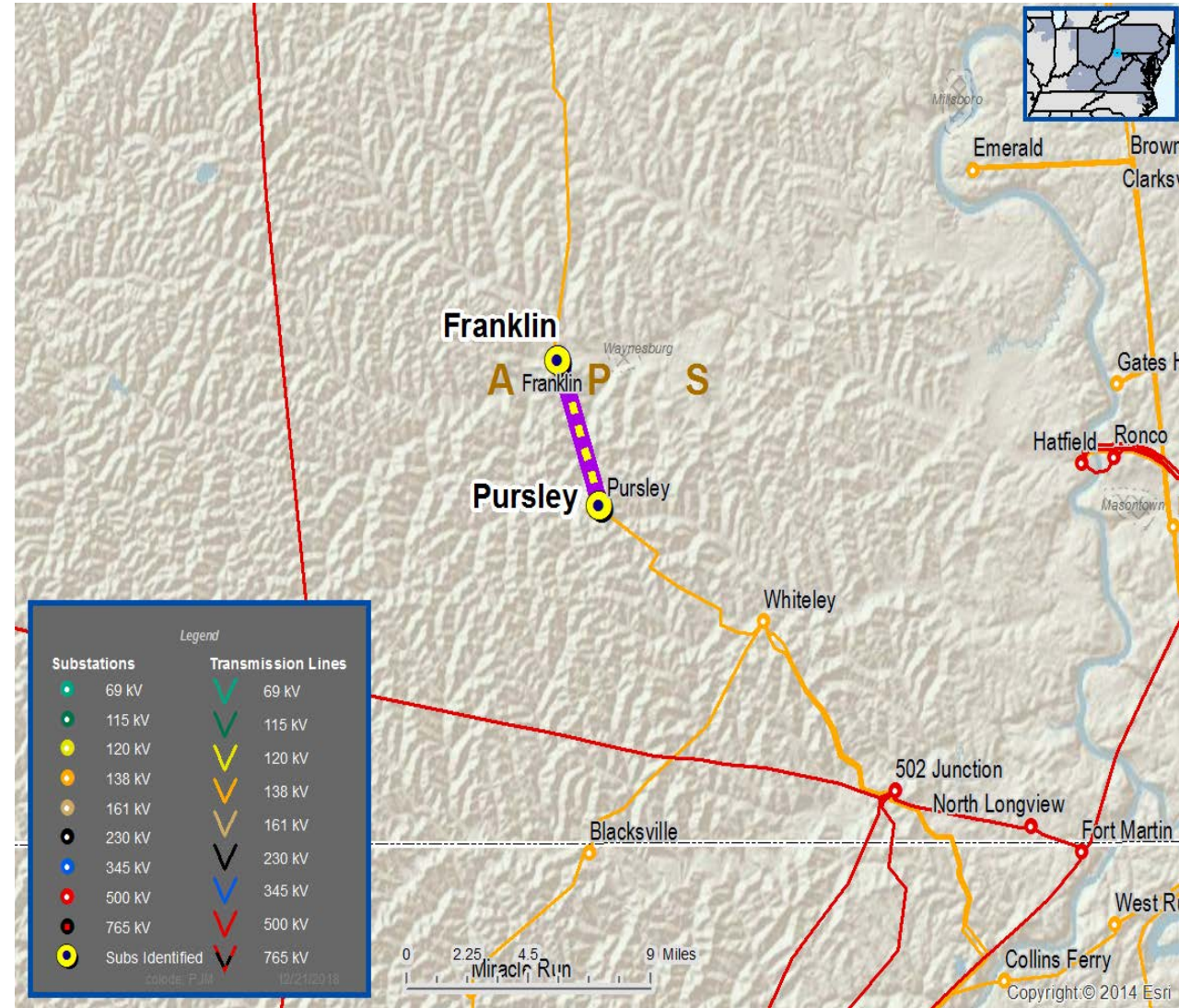
**Specific Assumption Reference:**

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

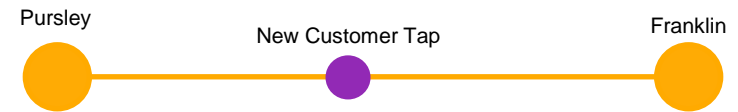
**Estimated Cost:** \$0.14M

**Projected In-Service:** 6/1/2020

**Supplemental Project ID:** s1826

**Project Status:** Conceptual

**Model:** 2018 Series 2023 Summer RTEP 50/50



Legend	
500 kV	
345 kV	
230 kV	
138 kV	
115 kV	
69 kV	
46 kV	
34.5 kV	
23 kV	
New	

# 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*

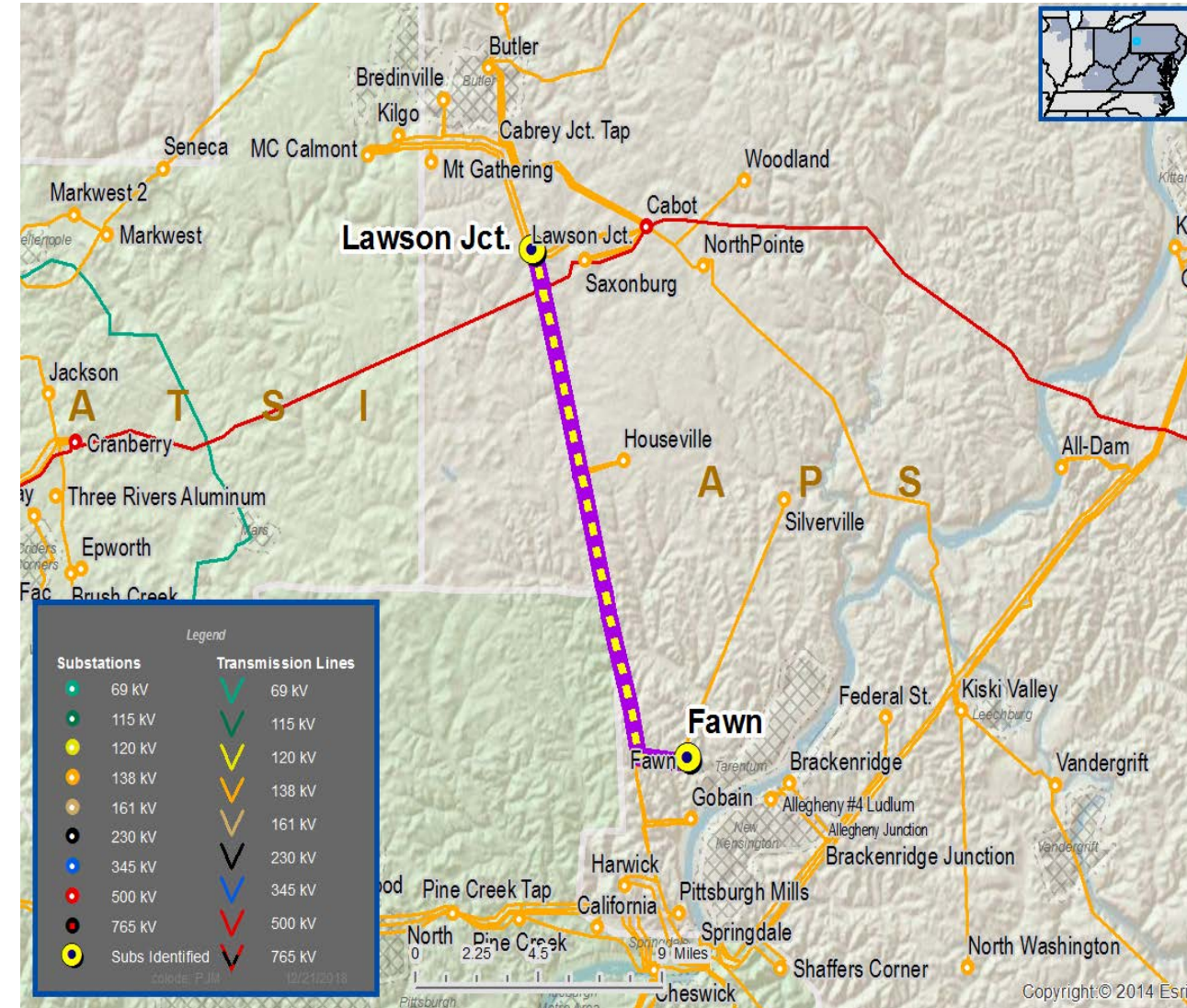
**Specific Assumption Reference:**

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

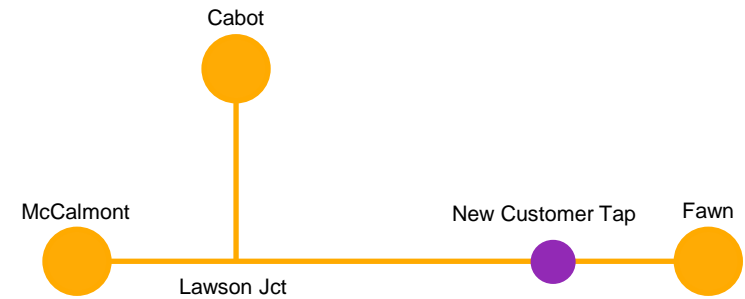
**Estimated Cost:** \$0.14M

**Projected In-Service:** 6/30/2020

**Supplemental Project ID:** s1827

**Project Status:** Conceptual

**Model:** 2018 Series 2023 Summer RTEP 50/50



Legend	
500 kV	
345 kV	
230 kV	
138 kV	
115 kV	
69 kV	
46 kV	
34.5 kV	
23 kV	
New	

# Revision History

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

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