

# Sub Regional RTEP Committee Western Region ATSI

November 29, 2018

PJM SRRTEP – Western 11/29/2018 PJM©2018



# Solutions

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Need Number: ATSI-2018-0022 Process Stage: Solutions Meeting

Date: 10/26/2018

Project Driver(s):

Customer Service - Emergent

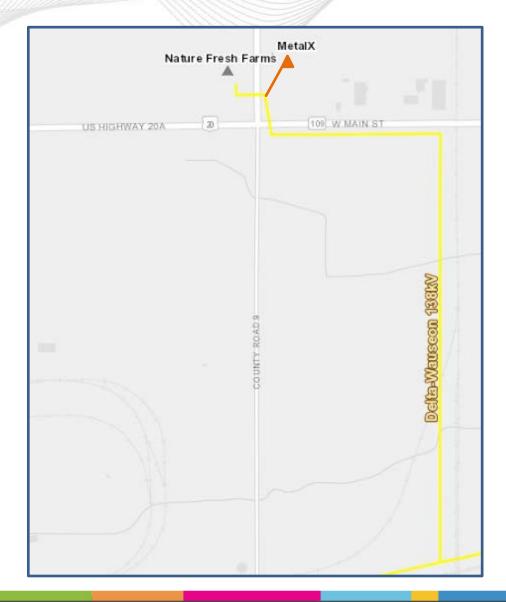
### Specific Assumption Reference(s)

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 for load of approximately 6 MVA near the Delta-Wauseon 138 kV line.

## **ATSI Transmission Zone**





Need Number: ATSI-2018-022
Process Stage: Solutions Meeting

Date: 11/29/2018

#### **Proposed Solution:**

■ Tap the Delta-Wauseon 138 kV line and extend a 138 kV line (approximately 0.1 miles) to the proposed customer site (Match existing line conductor).

#### **Alternatives Considered:**

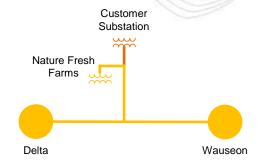
None (obligation to serve)

Estimated Project Costs: \$0.5M

Projected IS Date: 02/11/2019

Status: Engineering

# **ATSI Transmission Zone**



Legend	
500 kV	
345 kV	
138 kV	
69 kV	
34.5 kV	
23 kV	
New	



# Needs

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Need Number: ATSI-2018-021 Process Stage: Needs Meeting

Date: 11/29/2018

**Project Driver(s)**: Customer Service

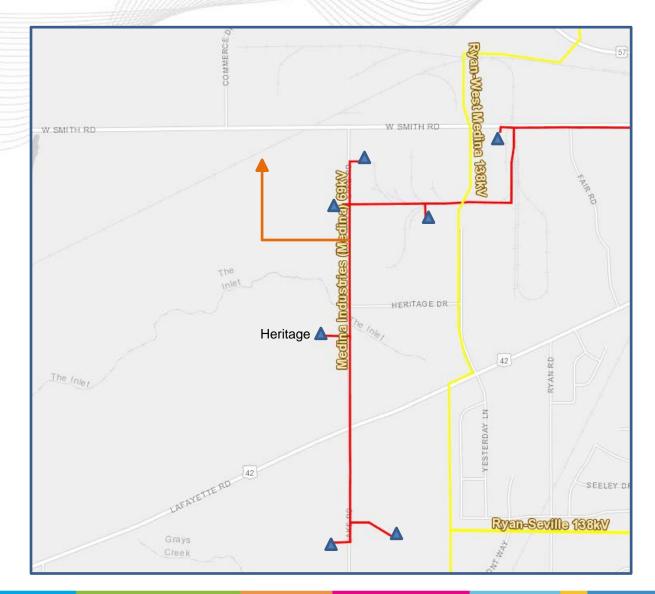
## Specific Assumption Reference(s)

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 69 kV service for load of approximately 10 MVA near the Medina-Medina industries 69 kV line.

# **ATSI Transmission Zone**





## **ATSI Transmission Zone**

Need Number: ATSI-2018-023
Process Stage: Need Meeting
Date: 11/29/2018

Project Driver(s):

Operational Flexibility and Efficiency Infrastructure Resilience

Specific Assumption Reference(s)
Reconductor/Rebuild Transmission Lines

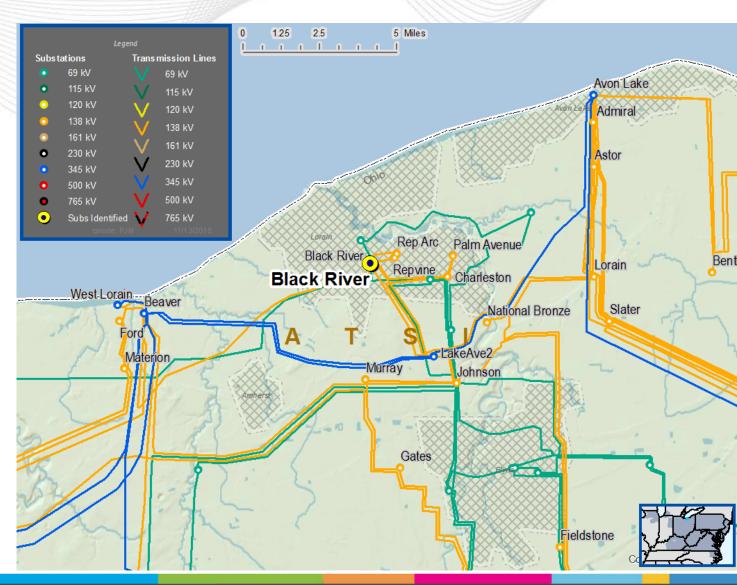
- Transmission lines with high loading Build New Transmission Line
- Contingency constrained facilities
- Loading on adjacent facilities

Add/Expand Bus Configuration

Accommodate future transmission facilities

Problem Statement Black River 138 kV Area

- Thermal constraints identified in previous Gen Queue and Gen Deliverability Studies.
- Future year analysis shows potential thermal constraints.
  - For the loss of the Avon-Beaver #1 345 kV Line and the Avon-Beaver #2 345 kV Line results in the Charleston-Lorain 138 kV Line loading to greater than 90%.





# **Revision History**

11/16/2018 – V1 – Original version posted to pjm.com

11/19/2018 – V2 – ATSI-2018-021 moved to Needs section

12/3/2018 – V3 – Updated assumption references on slide 7