

# Subregional RTEP Committee – Mid-Atlantic FirstEnergy Supplemental Projects

JCPL Transmission Zone

# 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

**Need Number:** JCPL-2026-013

**Process Stage:** Need Meeting – SRRTEP-MA – 04/14/2026

**Project Driver:**

*Equipment Condition/Performance/Risk*

**Specific Assumption References:**

- System Performance Global Factors
  - System reliability/performance
  - Substation/Line equipment limits
- Line Condition Rebuild/Replacement
  - Age/condition of wood pole transmission line structures

**Problem Statement:**

The Cozy Lake - Franklin 34.5 kV S747 Line was constructed approximately 70 years ago and is approaching end of life. It is approximately 14 miles long with 451 wood pole transmission line structures.

Per recent inspections, the line is exhibiting deterioration. Inspection findings include:

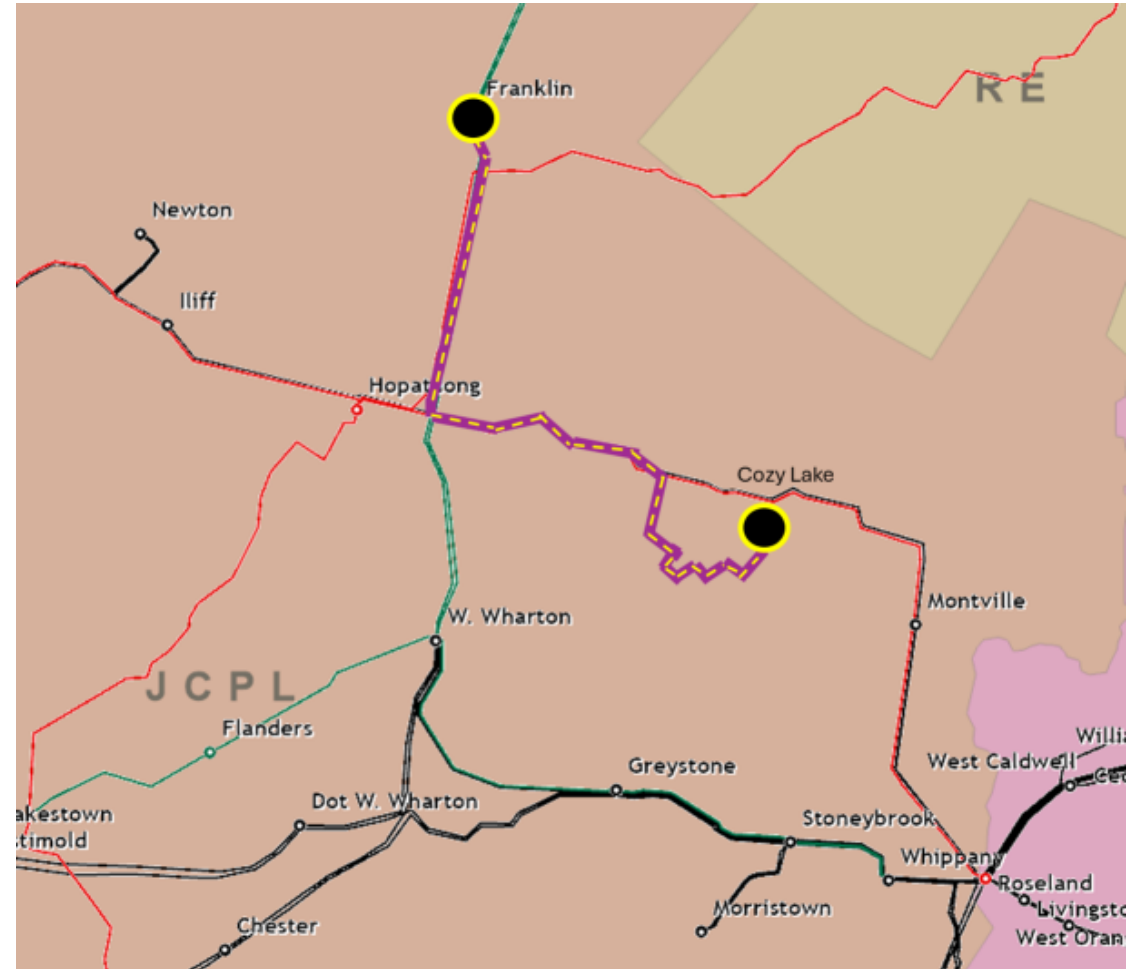
- 269 structures failed inspection due to sound, woodpecker damage, top rot, decaying cross-arms, and missing ground wires.

In the last five years, the line has had 23 unscheduled, sustained outages.

The line is currently limited by the transmission line conductor.

Existing Transmission Line Ratings:

- 44 / 53 / 50 / 63 MVA (SN/SE/WN/WE)



**Need Number:** JCPL-2026-014

**Process Stage:** Need Meeting – SRRTEP-MA – 04/14/2026

**Project Driver:**

*Equipment Condition/Performance/Risk*

**Specific Assumption References:**

- System Performance Global Factors
  - System reliability/performance
  - Substation/Line equipment limits
- Line Condition Rebuild/Replacement
  - Age/condition of wood pole transmission line structures

**Problem Statement:**

The Montville - Whippany 34.5 kV D4 Line was constructed approximately 70 years ago and is approaching end of life. It is approximately 12 miles long with 374 wood pole transmission line structures.

Per recent inspections, the line is exhibiting deterioration resulting in increased maintenance costs. Inspection findings include:

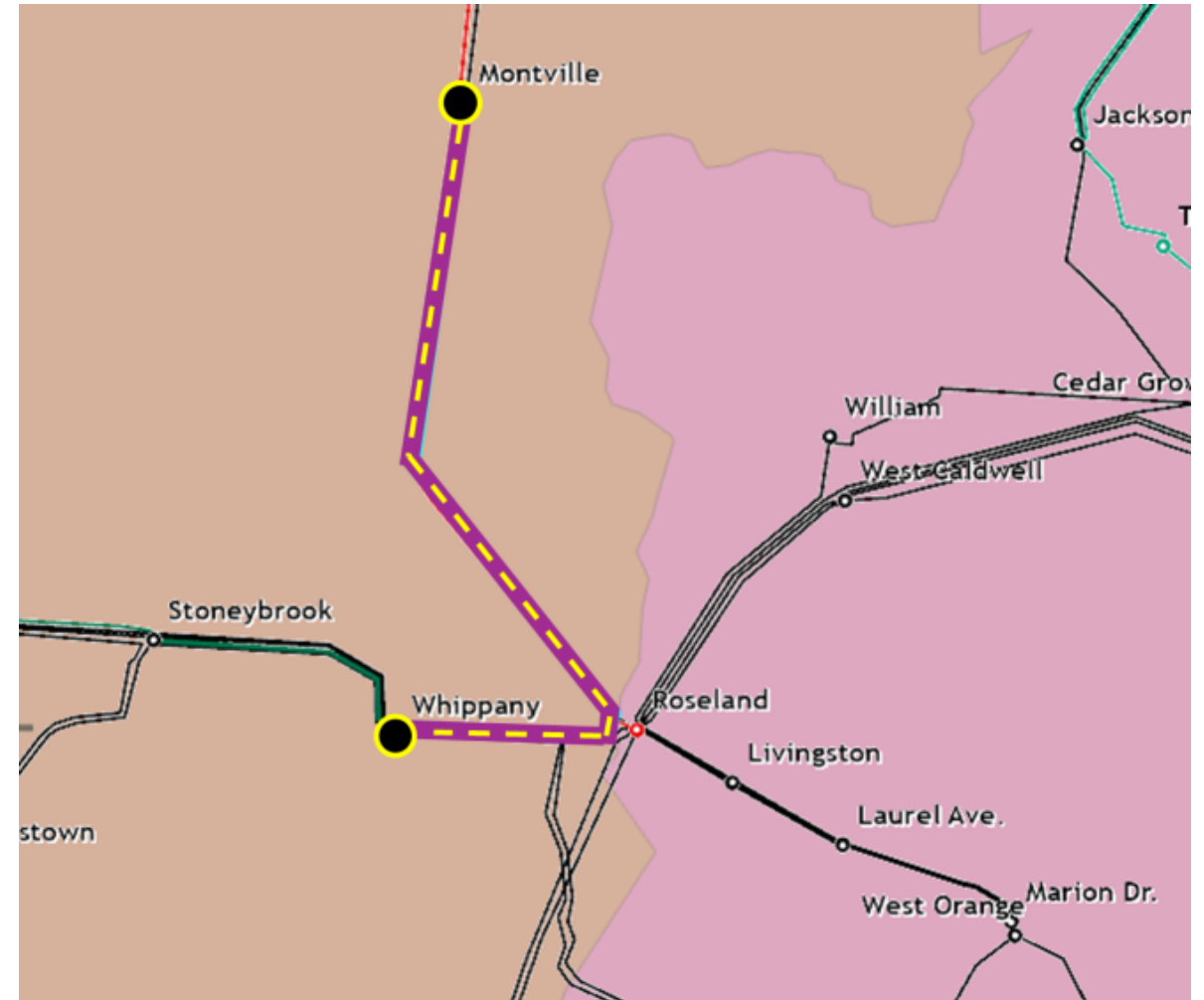
- 324 structures failed inspection due to sound, woodpecker damage, decaying cross-arms, and missing ground wires.

In the last five years, the line has had 25 unscheduled, sustained outages.

The line is currently limited by the transmission line conductor.

Existing Transmission Line Ratings:

- 41 / 50 / 43 / 57 MVA (SN/SE/WN/WE)



# 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

04/03/2026 – V1 – Original version posted to pjm.com