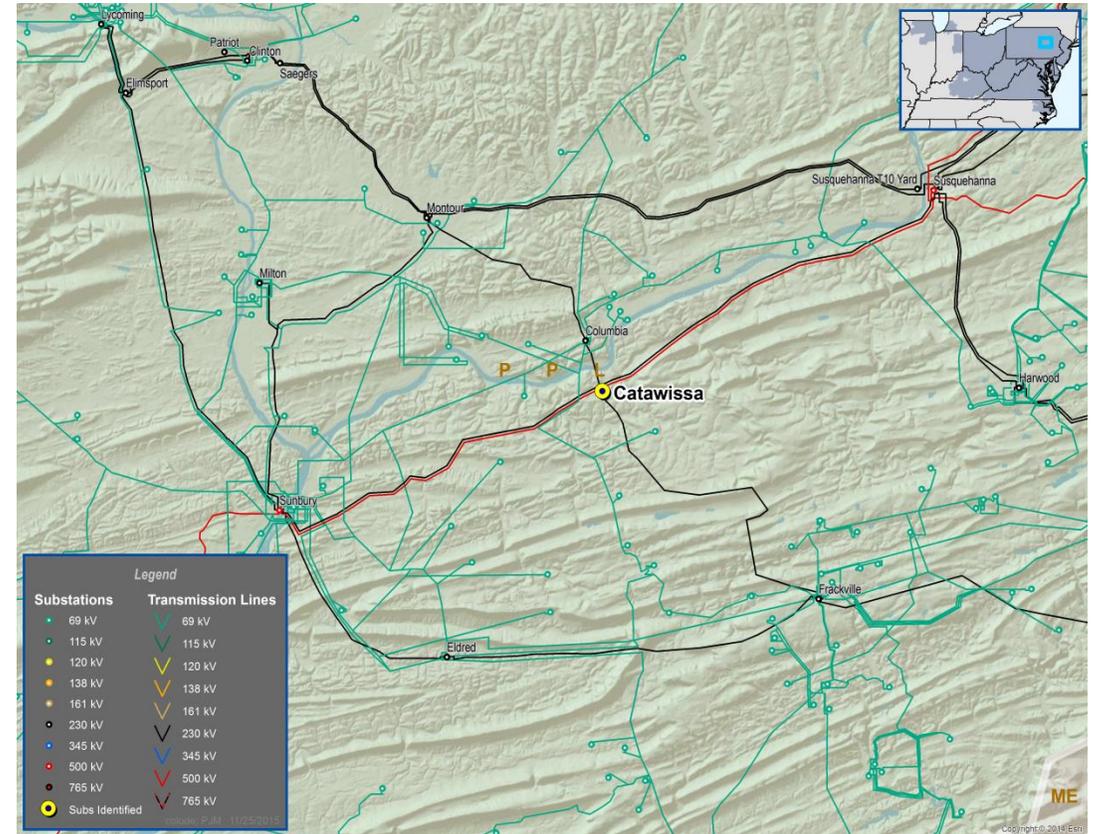


# Transmission Expansion Advisory Committee PPL Supplemental Project (S1106 Project Scope Change)

March 10, 2020

# S1106 Project Scope Change

- The project was presented pre M3 process in January, 2016
- Project S1106 (Catawissa substation) was identified to address stability issue in the Montour area. Three phase fault with normal clearing on double circuit Montour-Susquehanna 230 kV line will cause generator instability and tripping of multiple power plants (~2400 MW).
- The project was a new substation which taps the Sunbury – Susquehanna 500kV on the high side and Sunbury – Susquehanna & Columbia – Frackville 230 kV circuits on the low side



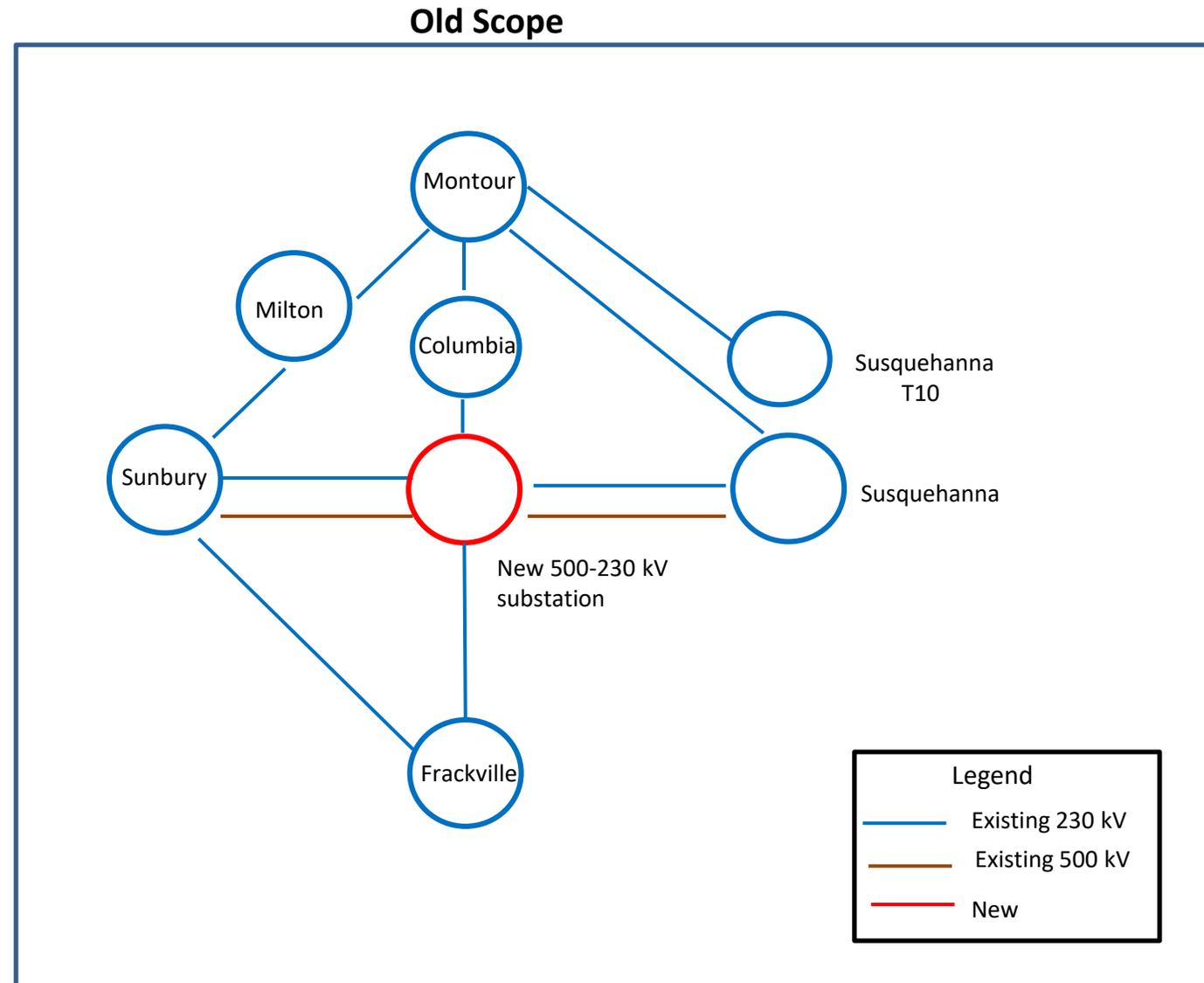
# PPL Transmission Zone M-3 Process

## Existing Solution:

Build a new 500-230 kV substation and associated transmission work by tapping Sunbury-Susquehanna 500 and 230 kV lines and Columbia-Frackville 230 kV line.

**Estimated Project Cost: \$95M**

**Projected In-Service: 07/31/2022**



# PPL Transmission Zone M-3 Process

## Updated Potential Solution:

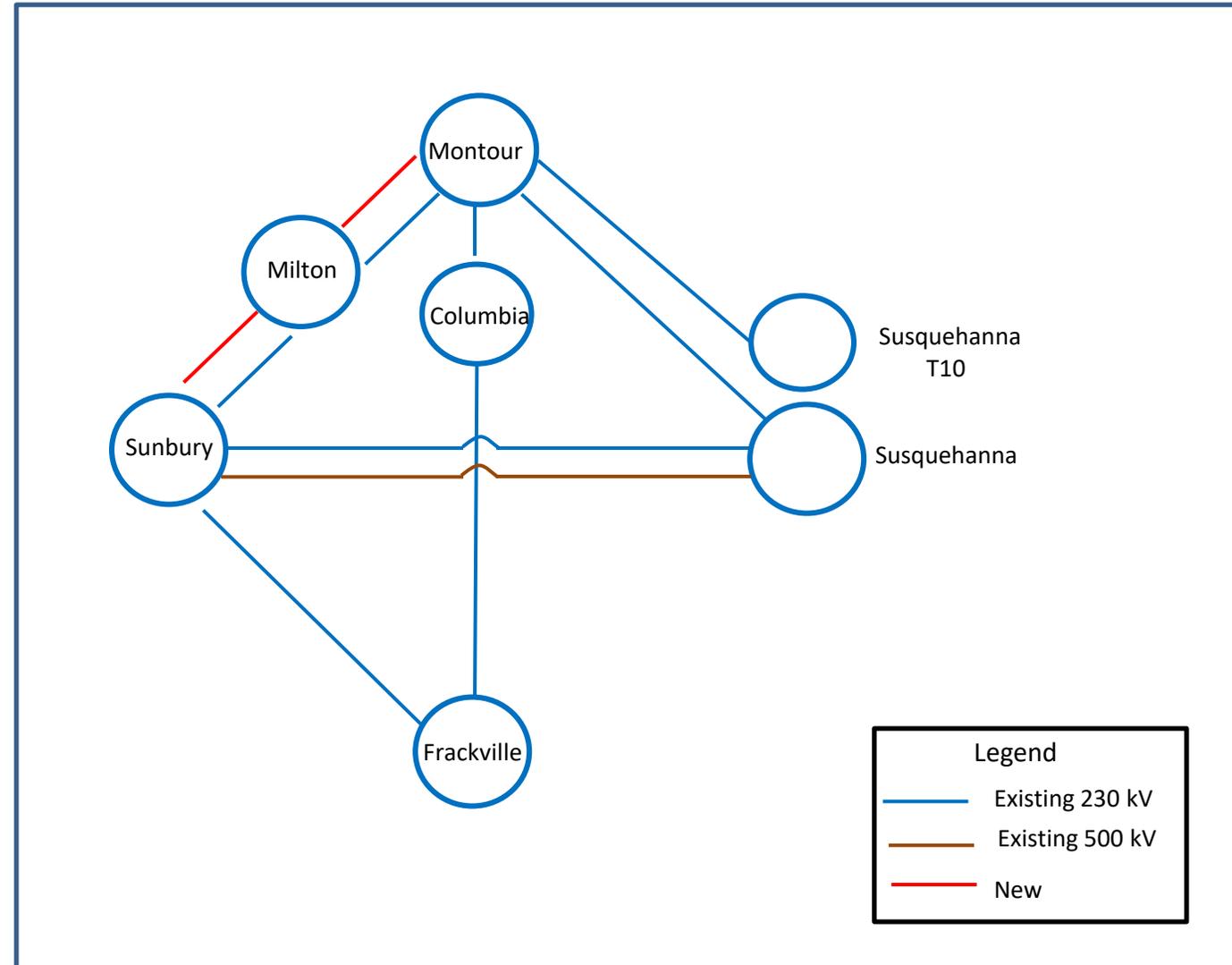
- Establish ~22 miles of second circuit on existing 230 kV lines between Montour, Milton and Sunbury substations.
  - Rebuild ~12 miles of Montour-Milton 230 kV line to double circuit.
  - Change the operating voltage of ~10 miles of 69 kV line between MILT and SUNB 230 kV substations.
- Perform line terminal work at Montour, Milton and Sunbury 230 kV substations to terminate the new circuit.

**Estimated Project Cost:** \$63M

**Projected In-Service:** 07/31/2023

**Project Status:** Conceptual

## New Scope



# Questions?



# 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

2/28/2020 – V1 – Original version posted to [pjm.com](http://pjm.com)