

Transmission Expansion Advisory Committee Supplemental Projects

PPL 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



PPL Transmission Zone: Supplemental Hummelstown, PA

Need Number: PPL-2026-0022

Process Stage: Need Meeting 04/07/2026

Project Driver: Equipment Condition/Performance/Risk

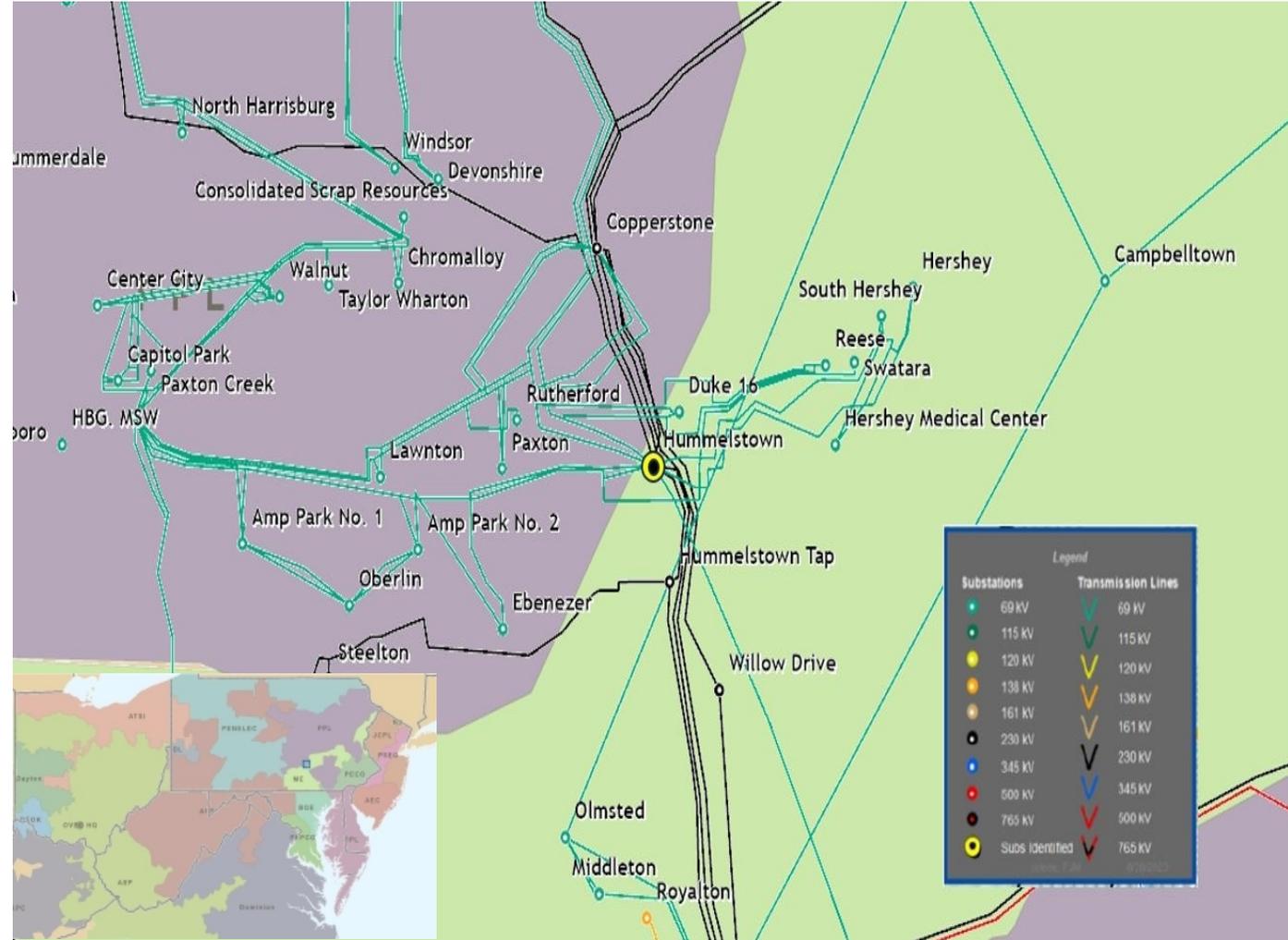
Specific Assumption References:

PPL 2026 Annual Assumptions

Problem Statement:

The Hummelstown substation 230-69kV Transformer 1 is approximately 34 years old and has experienced 28 unplanned maintenance events. 12 of the 28 have occurred since 2023, indicating an increasing rate of failure. These maintenance events include:

- Replacing melted CT terminal blocks in the cabinet
- Replacing a failed AC unit
- Repairing a leak near the pressure relief device
- Replacing a failed lockout relay





PPL Transmission Zone: Supplemental Jenkins, PA

Need Number: PPL-2026-0023

Process Stage: Need Meeting 04/07/2026

Project Driver: Equipment Condition/Performance/Risk

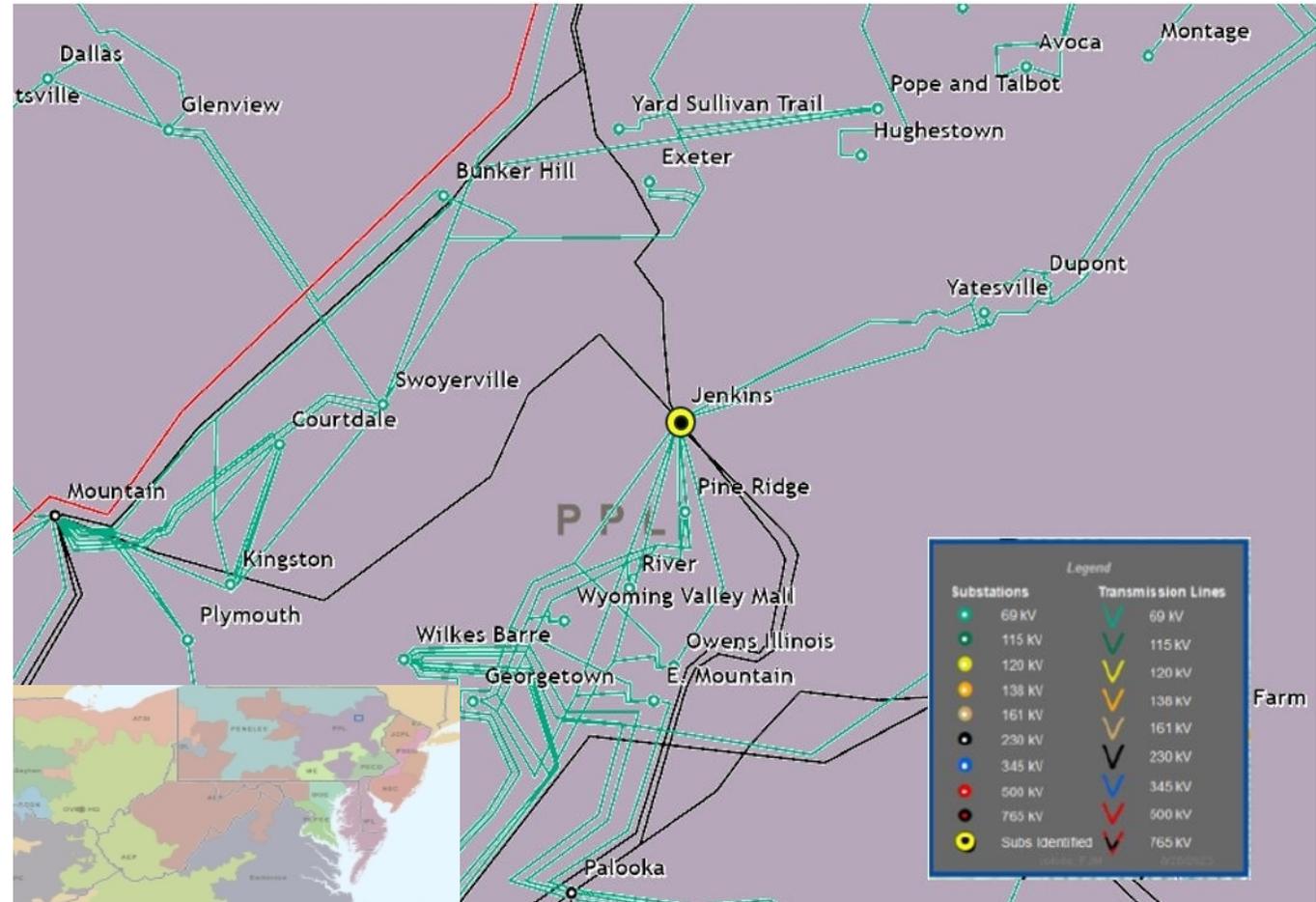
Specific Assumption References:

PPL 2026 Annual Assumptions

Problem Statement:

The Jenkins substation 230-69kV Transformer 4 is approximately 44 years old and has experienced 8 different maintenance events. Some of these events include remediation for multiple individual failures, including:

- Replacing K5 timing relay
- Replacing failed cooling fans
- Replacing a failed Buchholz pressure relay
- Replacing diverter switches





PPL Transmission Zone: Supplemental Hosensack, PA

Need Number: PPL-2026-0027

Process Stage: Need Meeting 04/07/2026

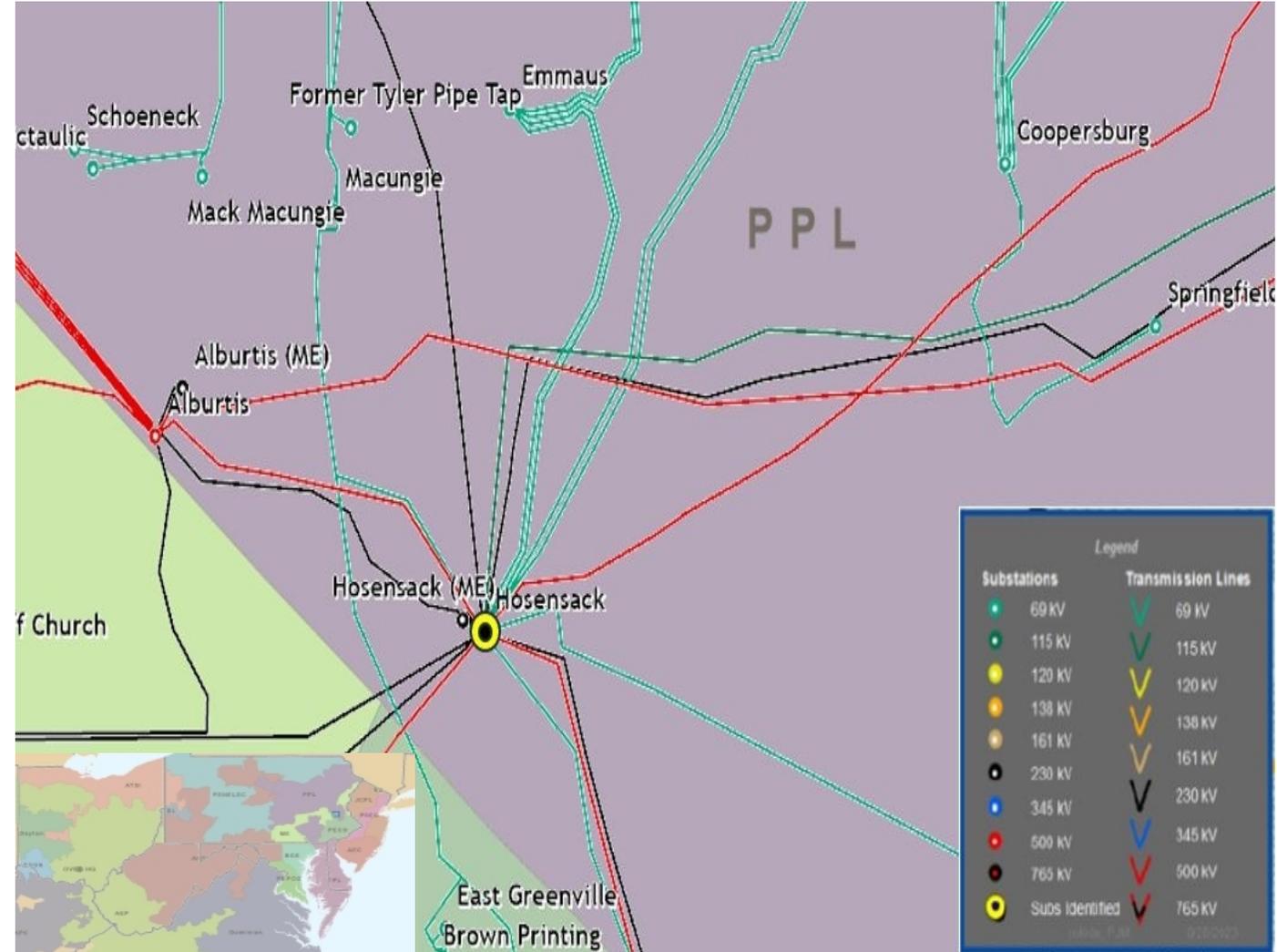
Project Driver: Infrastructure Resilience, Operational Flexibility and Efficiency

Specific Assumption References:

PPL 2026 Annual Assumptions

Problem Statement:

The current arrangement at Hosensack 500kV is built for BAAH but operated as a ring bus. Multiple lines terminating in the Hosensack 500kV Switchyard are susceptible to outages due to P4 Stuck Breaker contingency events.





PPL Transmission Zone: Supplemental Steel City, PA

Need Number: PPL-2026-0028

Process Stage: Need Meeting 04/07/2026

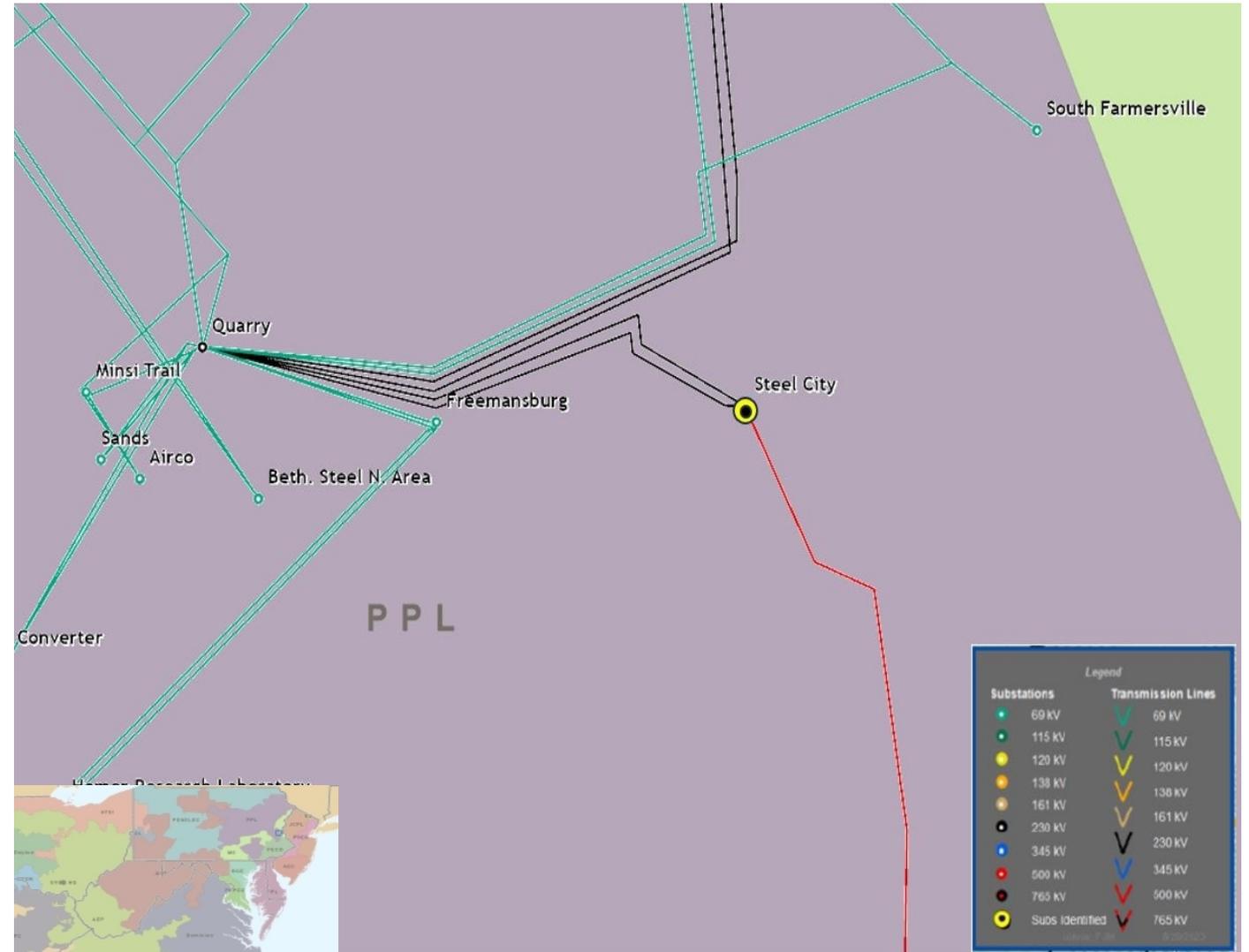
Project Driver: Equipment Condition/Performance/Risk, Infrastructure Resilience

Specific Assumption References:

PPL 2026 Annual Assumptions

Problem Statement:

The current arrangement at Steel City 500kV is built for BAAH but operated as a ring bus. Multiple elements terminating in the Steel City 500kV Switchyard are susceptible to outages due to P4 Stuck Breaker contingency events.





PPL Transmission Zone: Supplemental Fisherdale, PA

Need Number: PPL-2026-0029

Process Stage: Need Meeting 04/07/2026

Project Driver: Customer Service

Specific Assumption References:

PPL 2026 Annual Assumptions

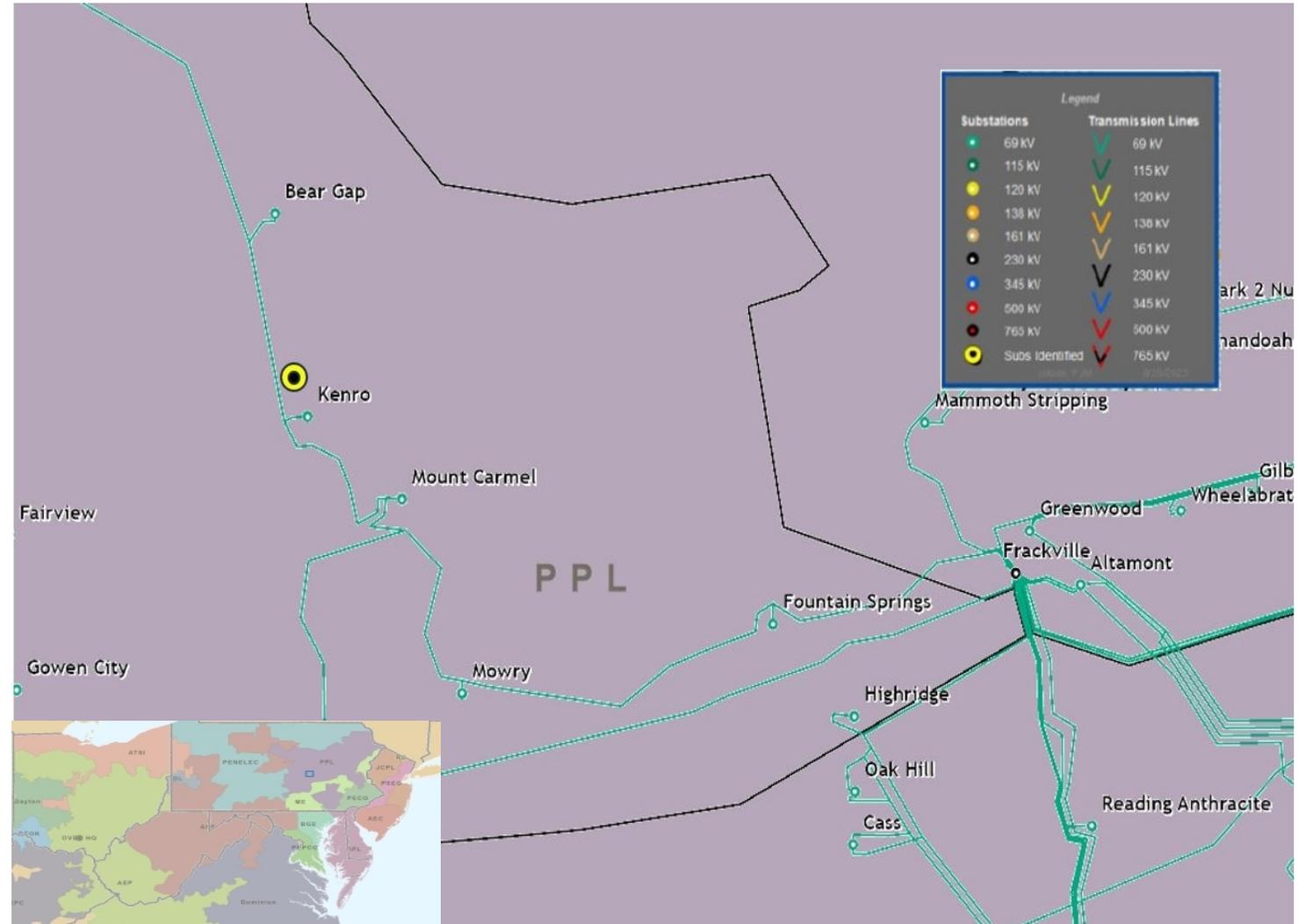
Problem Statement:

A customer has submitted a request to have their facility served from a 230kV source near Mt Carmel, PA. The total facility load is approximately 2,000 MW (2033). The requested in-service date is 06/2028.

Initial In-Service 2028 Load: 290 MW

Projected 2029 Load: 500 MW

Projected 2031 Load: 1,250 MW





PPL Transmission Zone: Supplemental Winton, PA

Need Number: PPL-2026-0030

Process Stage: Need Meeting 04/07/2026

Project Driver: Customer Service

Specific Assumption References:

PPL 2026 Annual Assumptions

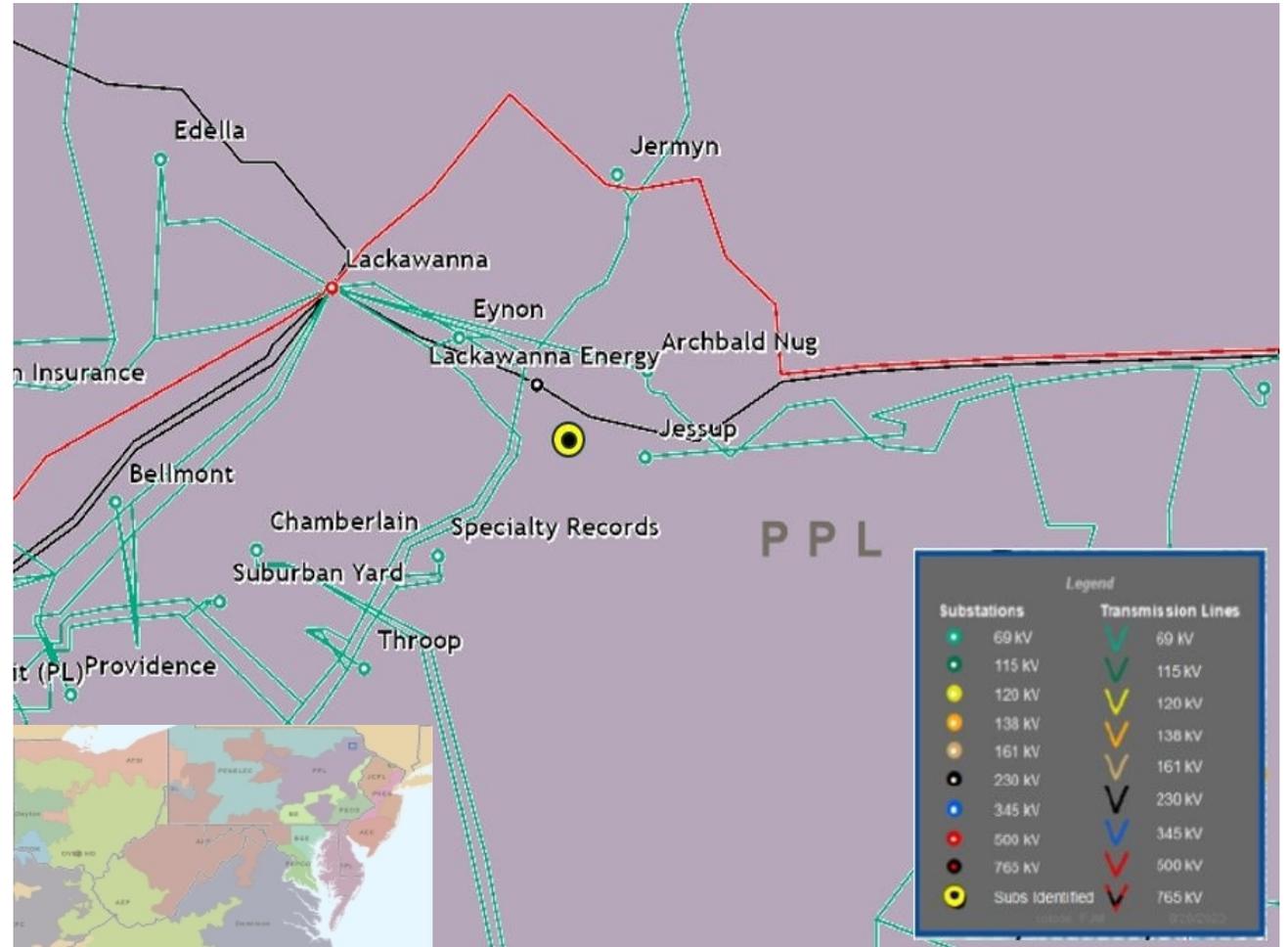
Problem Statement:

A customer has submitted a request to have their facility served from a 230kV source in Archbald, PA. The total facility load is approximately 300 MW (2030). The requested in-service date is 06/2028.

Initial In-Service 2028 Load: 100MW

Projected 2029 Load: 200 MW

Projected 2031 Load: 300 MW





PPL Transmission Zone: Supplemental Elimsport, PA

Need Number: PPL-2026-0031

Process Stage: Need Meeting 04/07/2026

Project Driver: Customer Service

Specific Assumption References:

PPL 2026 Annual Assumptions

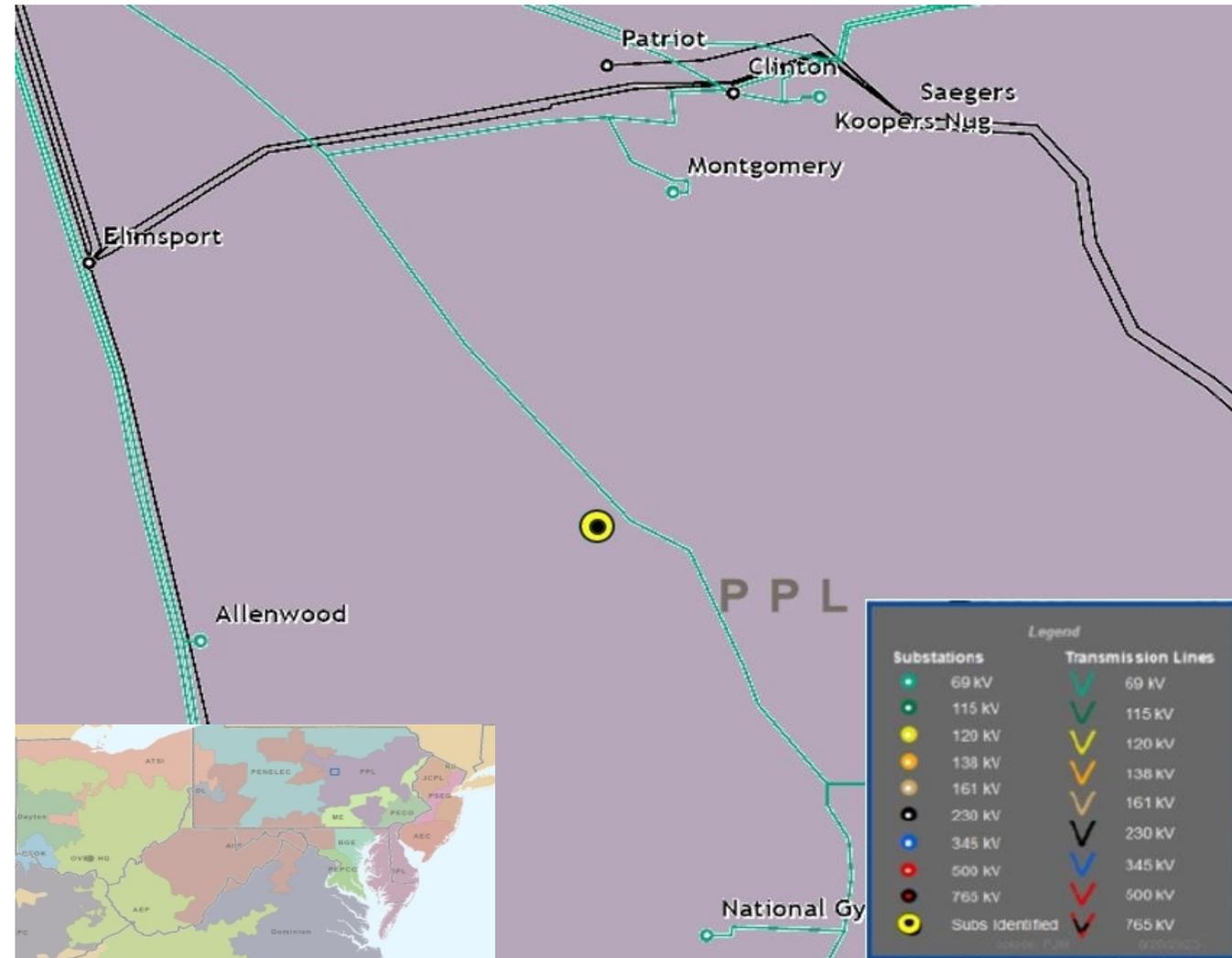
Problem Statement:

A customer has submitted a request to have their facility served from a 230kV source in Allenwood, PA. The total facility load is approximately 300 MW (2030). This request is associated with SR-RTEP need PPL-2026-0016, as the initial 60MW will be served by 69kV and then transitioned to this submittal. The requested in-service date is 06/2028.

Initial In-Service 2028 Load: 100MW

Projected 2029 Load: 200 MW

Projected 2031 Load: 300 MW



Revision History

3/27/2026 – V1 – Posted to pjm.com