



Mid-Atlantic Sub Regional RTEP Committee DPL Supplemental Projects

October 15, 2026

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: DPL-2026-004

Process Stage: Need Meeting 10/15/2026

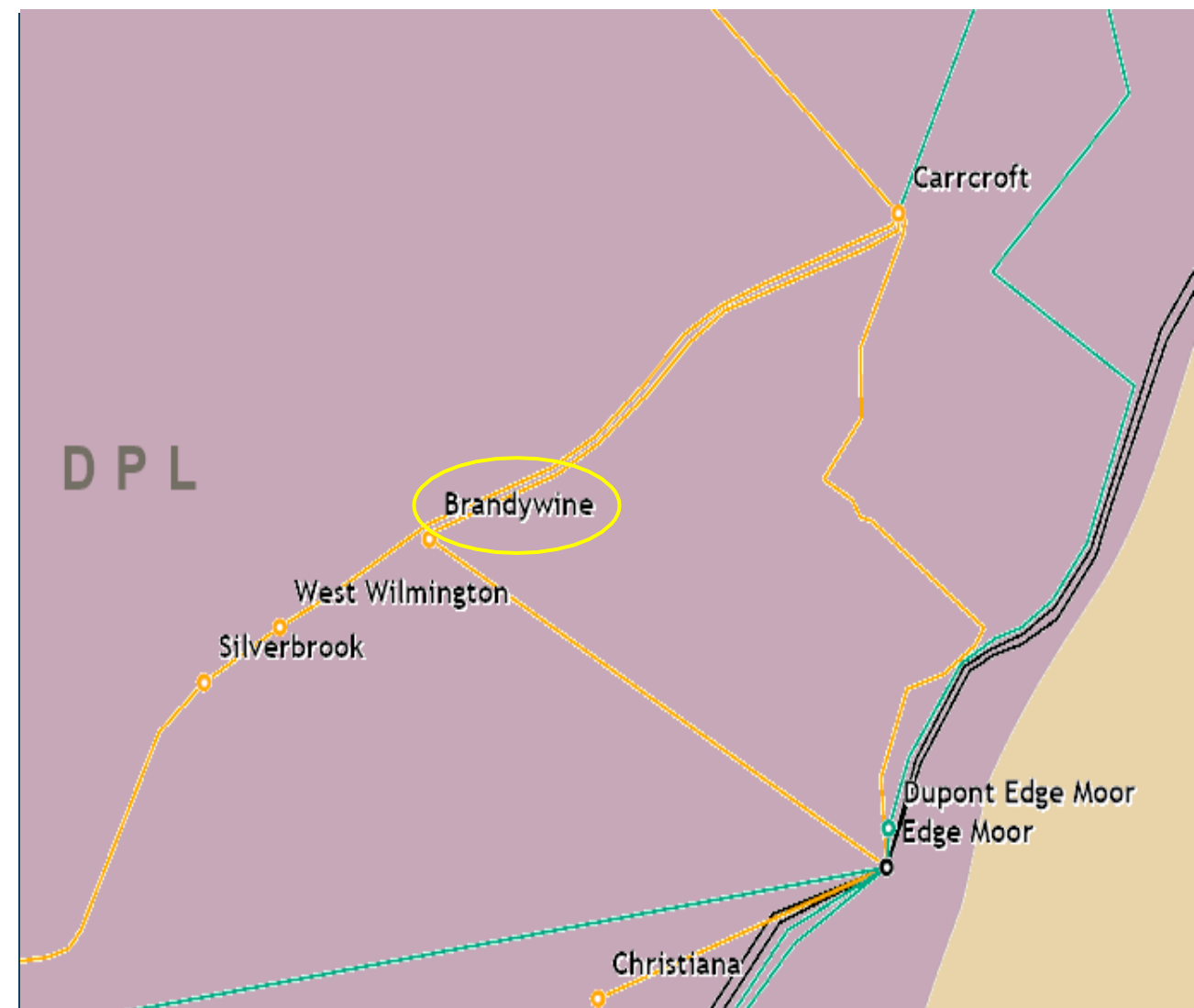
Project Driver: Customer Service

Specific Assumption Reference:

- Transmission System configuration changes due to new or expansion of existing distribution substations.

Problem Statement:

- DPL Distribution identified the need for an additional transformer at Brandywine to reliably serve load in the area. This will require an additional transmission bus position.



Solutions

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: DPL-2026-002

Process Stage: Solution Meeting 10/15/2026

Previously Presented: Need Meeting 7/17/2026

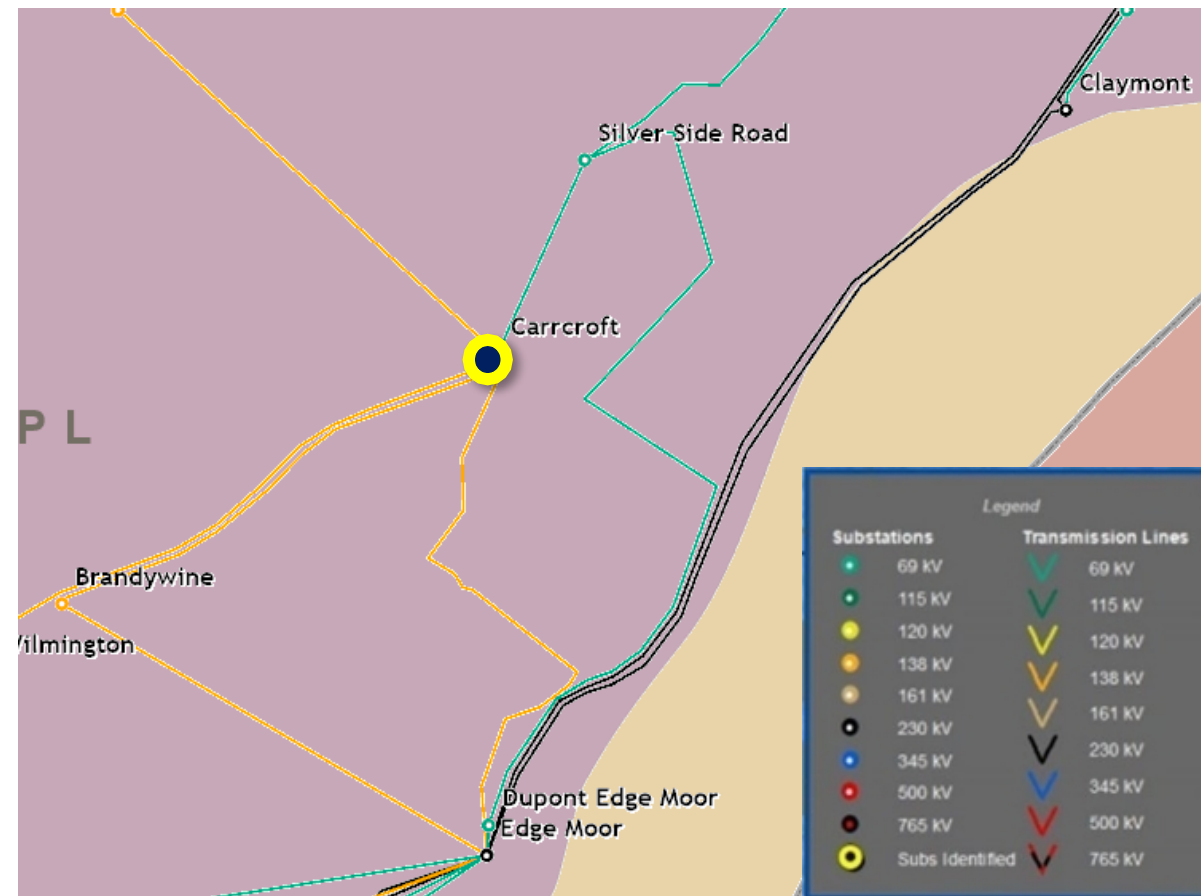
Project Driver: Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions.
- Programmatic review and/or replacement of breakers, relays, wood poles, etc.

Problem Statement:

- The Carrcroft 138kV and 69kV busses employ obsolete electromechanical relays that are being phased out of the system. It is becoming difficult to service existing electromechanical relays.



Need Number: DPL-2026-002

Process Stage: Solution Meeting 10/15/2026

Solution:

- Upgrade relays on the 69kV Carrcroft - Silverside line terminal, 69kV CB 61 and 138kV CB 141.
- Ratings will increase on the 69kV 6831 Carrcroft – Silverside line, 138kV 13824 Carrcroft – Edgemoor line, and 138/69kV AT1 transformer as shown in the table below. Ratings provided are formatted as Normal/Emergency/Load Dump.

Facility	Existing Summer Ratings (MVA)	New Summer Ratings (MVA)	Existing Winter Ratings (MVA)	New Winter Ratings (MVA)
13824	195/269/294	195/269/294	251/329/348	251/329/359
6831	120/140/148	120/140/148	141/143/150	141/158/164
AT1	122/143/150	122/146/167	143/143/150	144/165/189

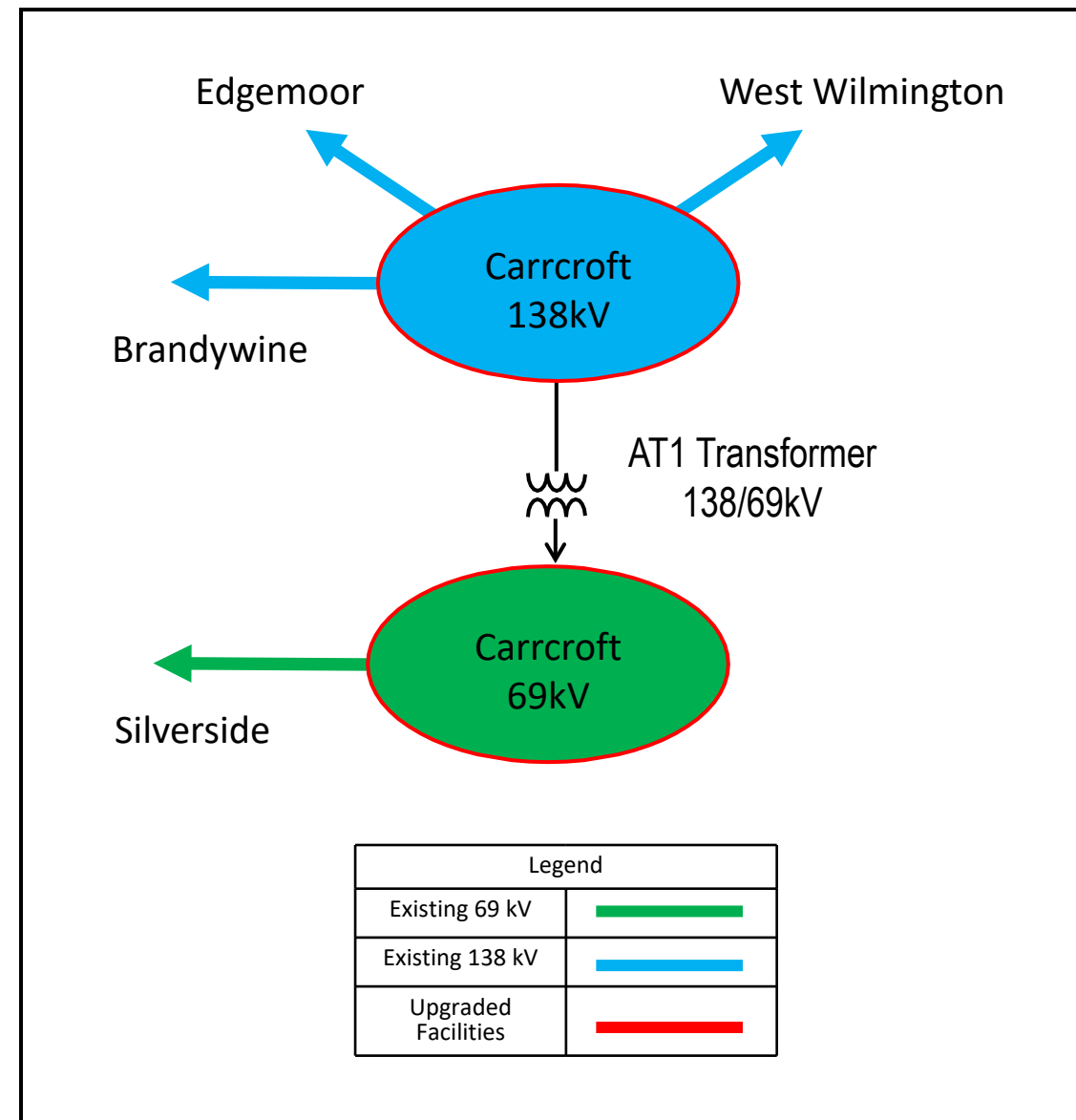
Estimated Transmission Cost: \$0.6 million

Alternatives Considered:

1. No feasible alternatives available

In-Service: 3/15/2027

Project Status: Engineering



Need Number: DPL-2026-003

Process Stage: Solution meeting 10/15/2026

Previously Presented: Need meeting 07/16/2026

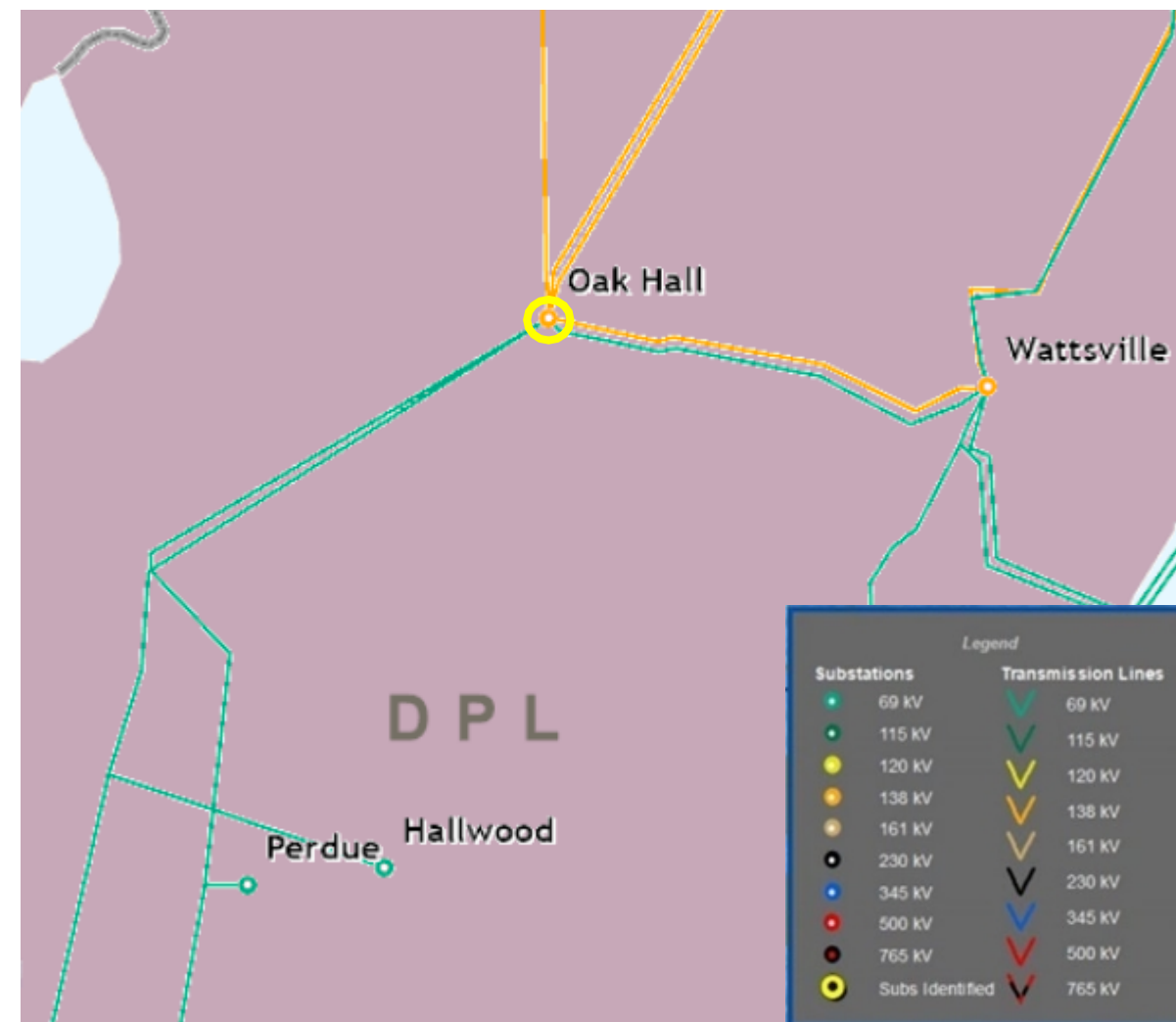
Project Driver: Equipment Material Condition, Performance, and Risk

Specific Assumption Reference:

- Programmatic review and/or replacement of breakers, relays, wood poles, etc.

Problem Statement:

- The Oak Hall 69kV lines ~~6778 & 6790~~ to Tasley employ electromechanical relay on the line terminals that are being phased out of the system. It is becoming difficult to service existing electromechanical relays.



Need Number: DPL-2026-003

Process Stage: Solutions Meeting 10/15/2026

Proposed Solution:

Replace electromechanical relay at Oak Hall 69kV 6778 Line terminal with new microprocessor relay.

	Summer Ratings (Normal/Emergency/Load Dump) (MVA)	Winter Ratings (Normal/Emergency/Load Dump) (MVA)
Existing Line 6778 Ratings	83/120/132	115/135/142
New Line 6778 Ratings	83/120/132	115/154/169

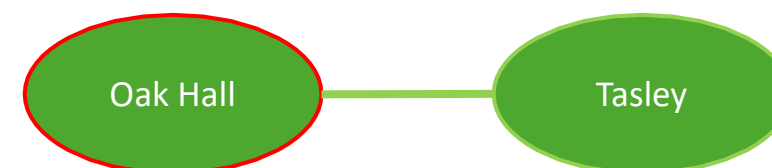
Estimated Transmission Cost: \$300k

Alternatives Considered : No feasible alternatives

Projected In-Service: 10/30/2026

Project Status: Engineering

Model: 2030 PJM RTEP



Legend	
Existing 69kV	
Upgraded 69kV	