

DPL 2019
Submission of Supplemental Projects for
Inclusion in the Local Plan

Need Number: DPL-2018-0001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Previously Presented:

Need: 10/29/2018

Solution: 12/7/2018

Project Driver:

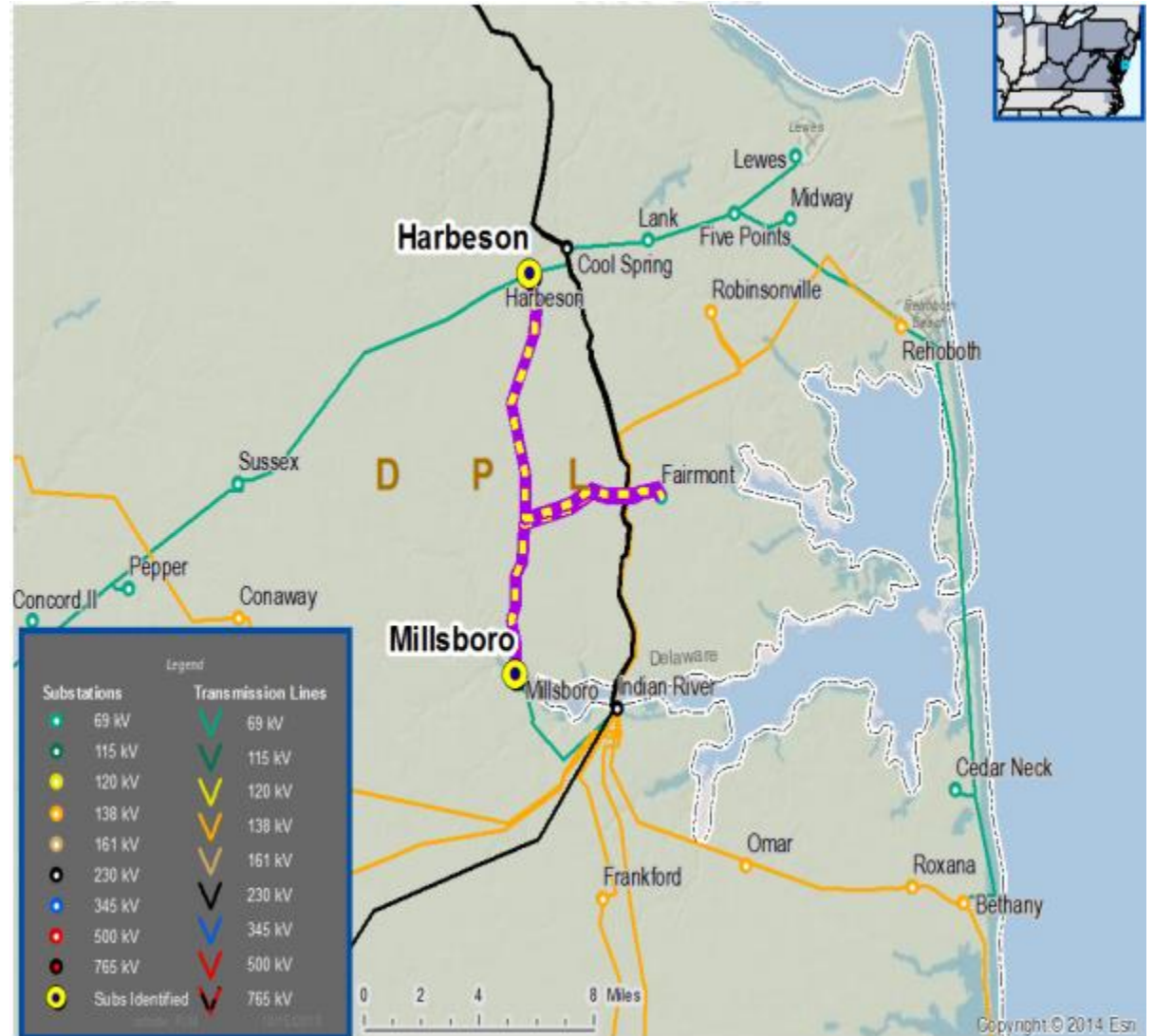
Customer Request

Specific Assumption Reference:

New transmission customer connections

Problem Statement:

Customer has requested a new 69 kV interconnection point off the Harbeson – Millsboro 69 kV line due to deteriorating infrastructure at existing tap and load growth within the cooperative.



Need Number DPL-2018-0001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Selected Solution:

Construct a new 4-breaker 69 kV Ring Bus near existing tap location on land provided by customer

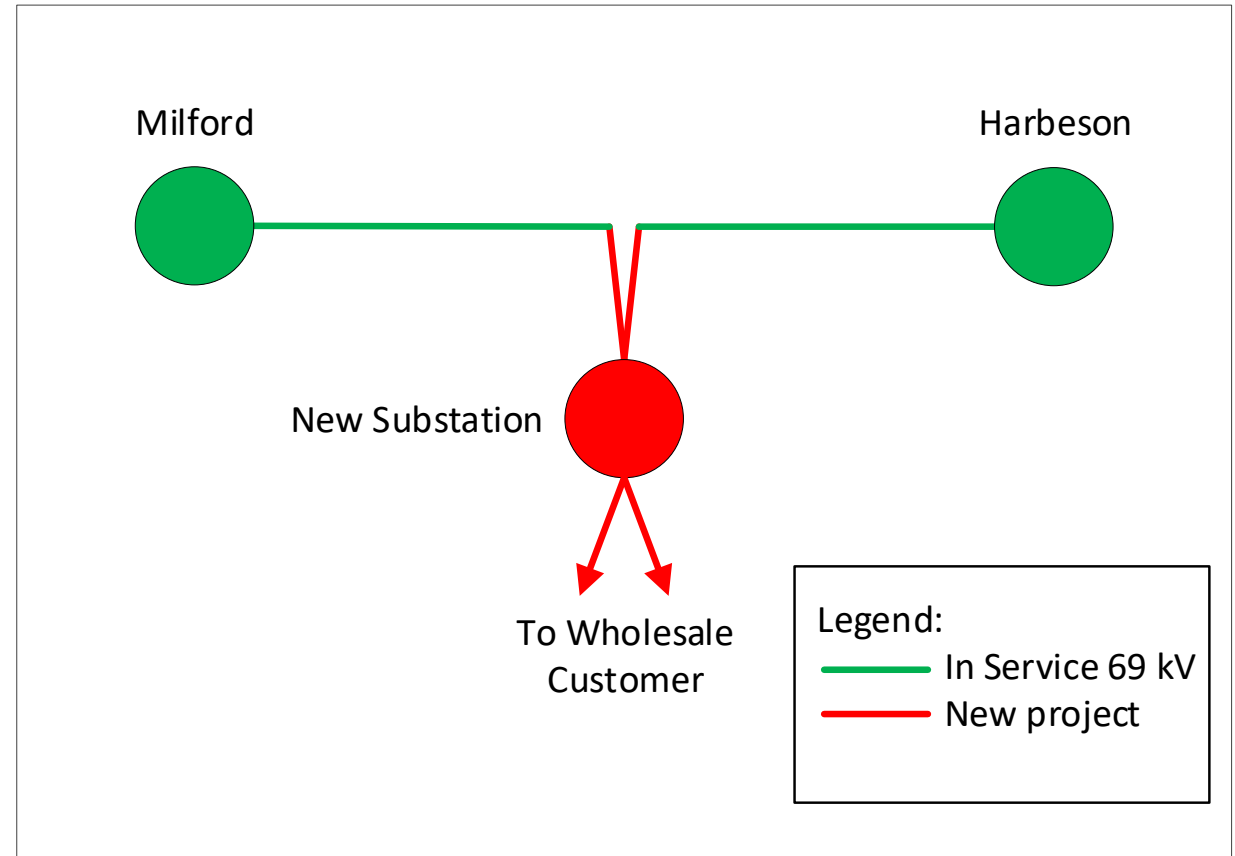
Estimated Cost: \$5.5M

Projected In-Service: 12/31/2020

Supplemental Project ID: s1789

Project Status: Engineering & Procurement

Model: PJM 2022 RTEP



Need Number: DPL-2018-0002

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Previously Presented:

Need: 10/29/2018

Solution: 1/25/2019

Project Driver:

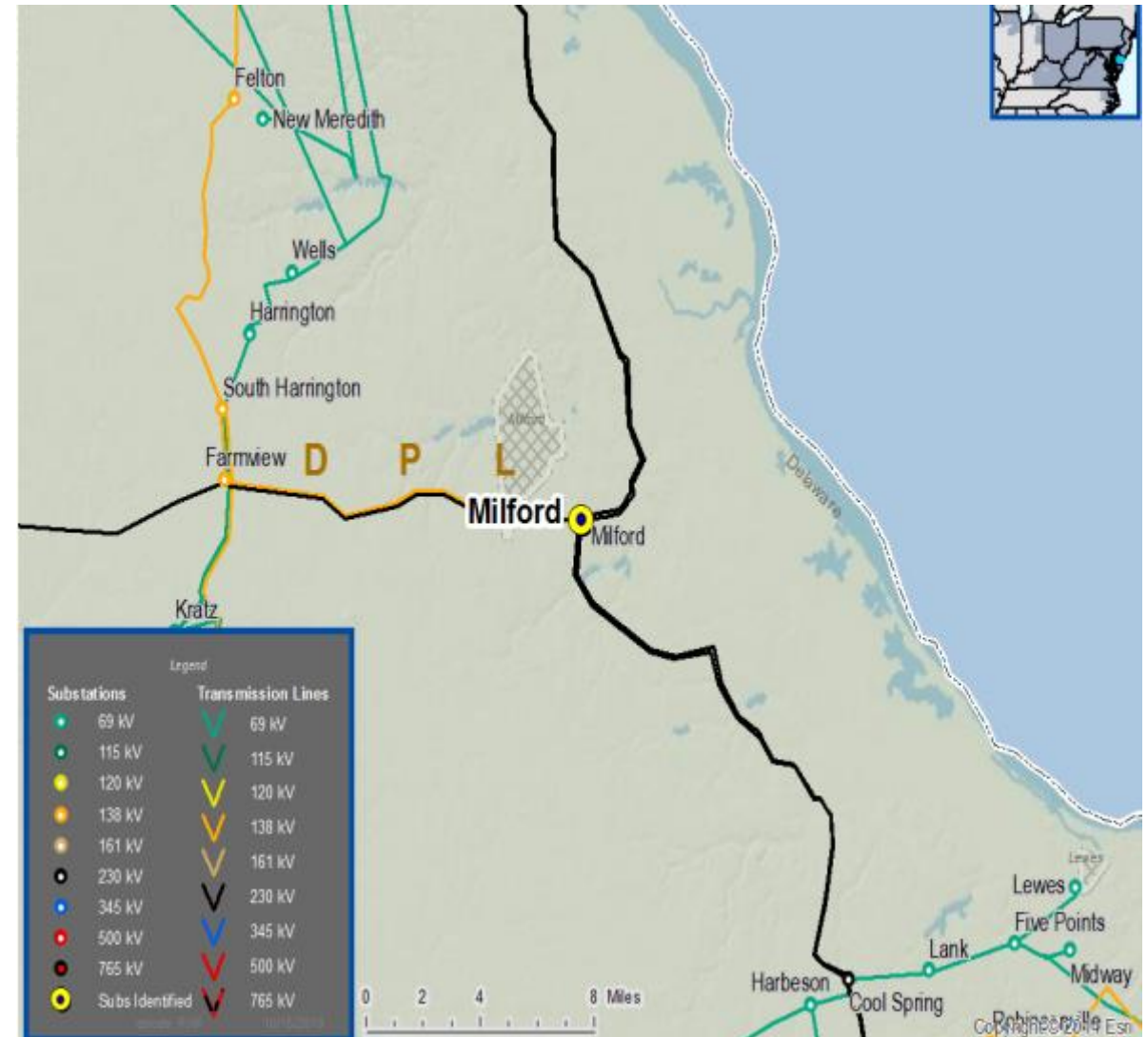
Customer Request

Specific Assumption Reference:

New transmission customer connections

Problem Statement:

Customer has requested a new point of interconnection at DPL's Milford substation due to load growth within the cooperative.



Need Number DPL-2018-0002

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Selected Solution:

Construct a new 3-breaker 69 kV Ring Bus that would tie into the existing 23069 Milford to Cool Spring 230 kV line

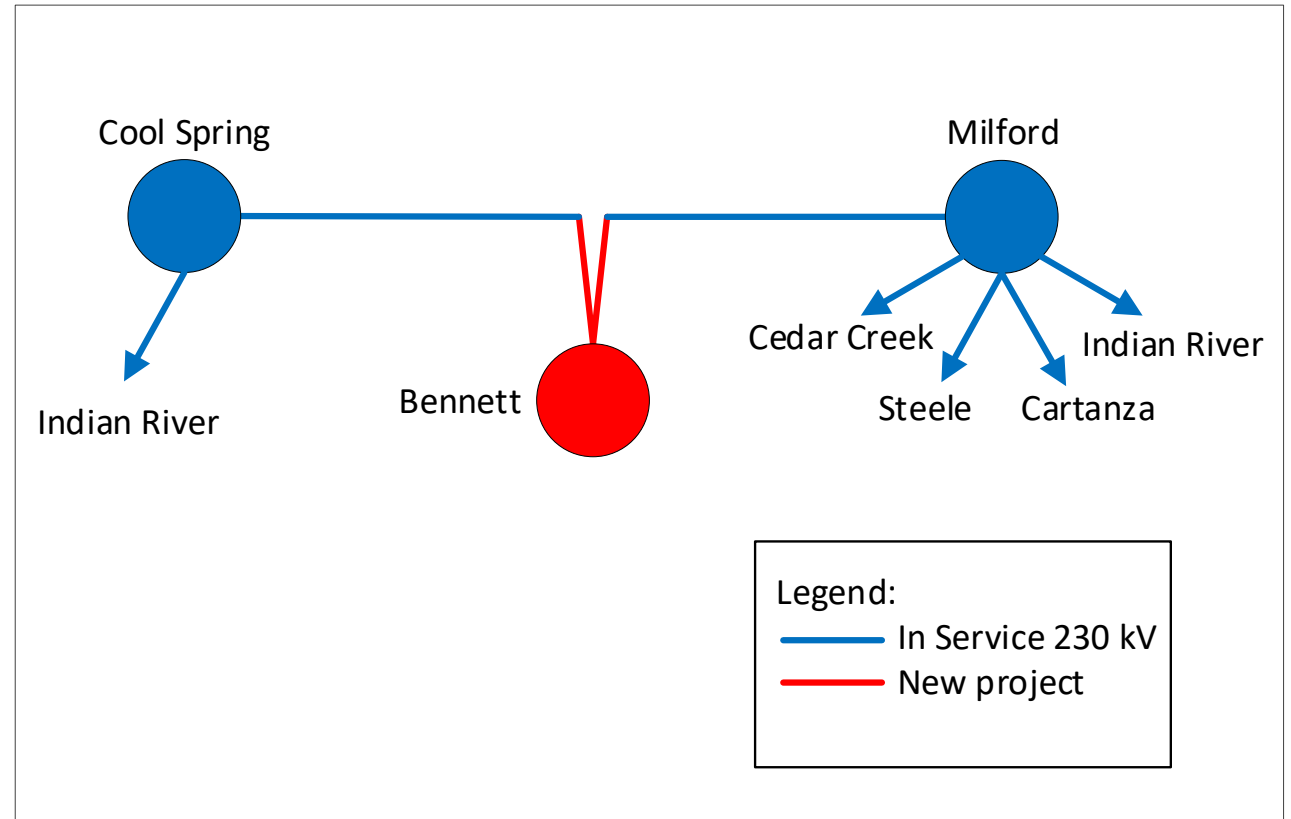
Estimated Cost: \$15M

Projected In-Service: 5/31/2022

Supplemental Project ID: s1871

Project Status: Conceptual

Model: PJM 2022 RTEP





Need Number: DPL-2018-0003

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Previously Presented:

Need: 10/29/2018

Solution: 12/7/2018

Project Driver:

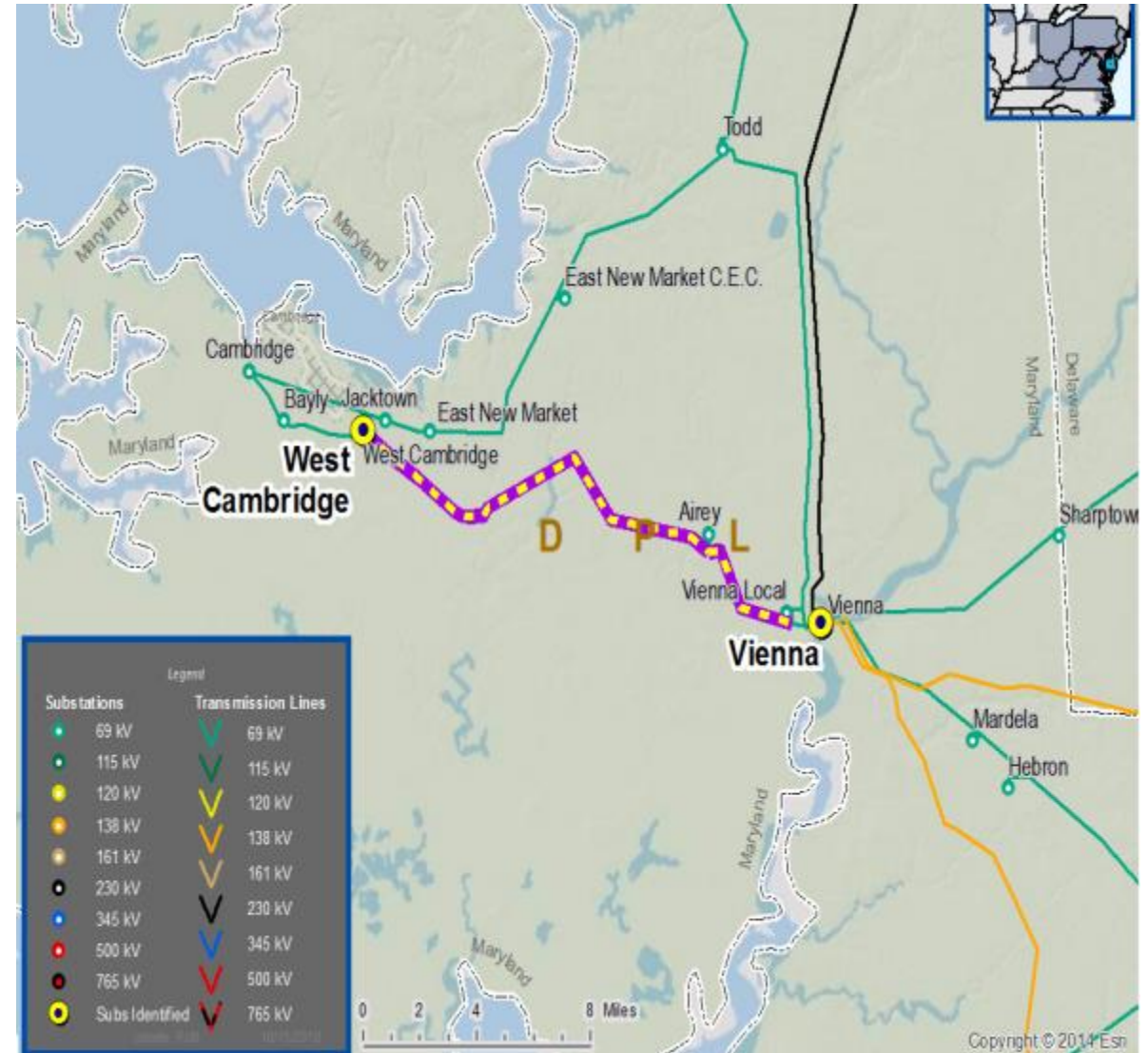
Customer Request

Specific Assumption Reference:

New transmission customer connections

Problem Statement:

Customer has requested a new point of interconnection between DPL's West Cambridge and Vienna 69kV Substations to address reliability concerns





Need Number DPL-2018-0003

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Selected Solution:

Construct a new 3-breaker 69 kV Ring Bus tying into the West Cambridge to Vienna 69kV line.

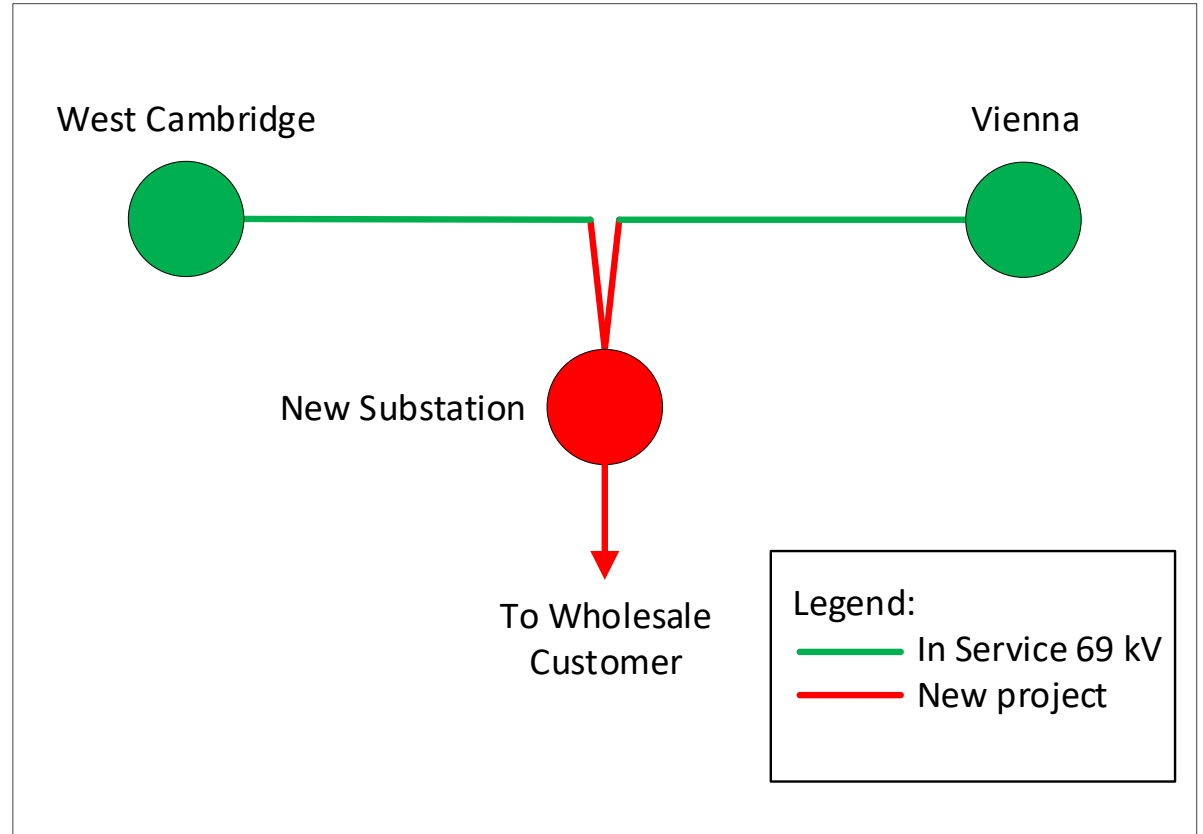
Estimated Cost: \$6.1M

Projected In-Service: 5/31/2022

Supplemental Project ID: s1790

Project Status: Conceptual

Model: PJM 2022 RTEP



Need Number: DPL-2018-0004

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Previously Presented:

Need: 10/29/2018

Solution: 1/25/2019

Project Driver:

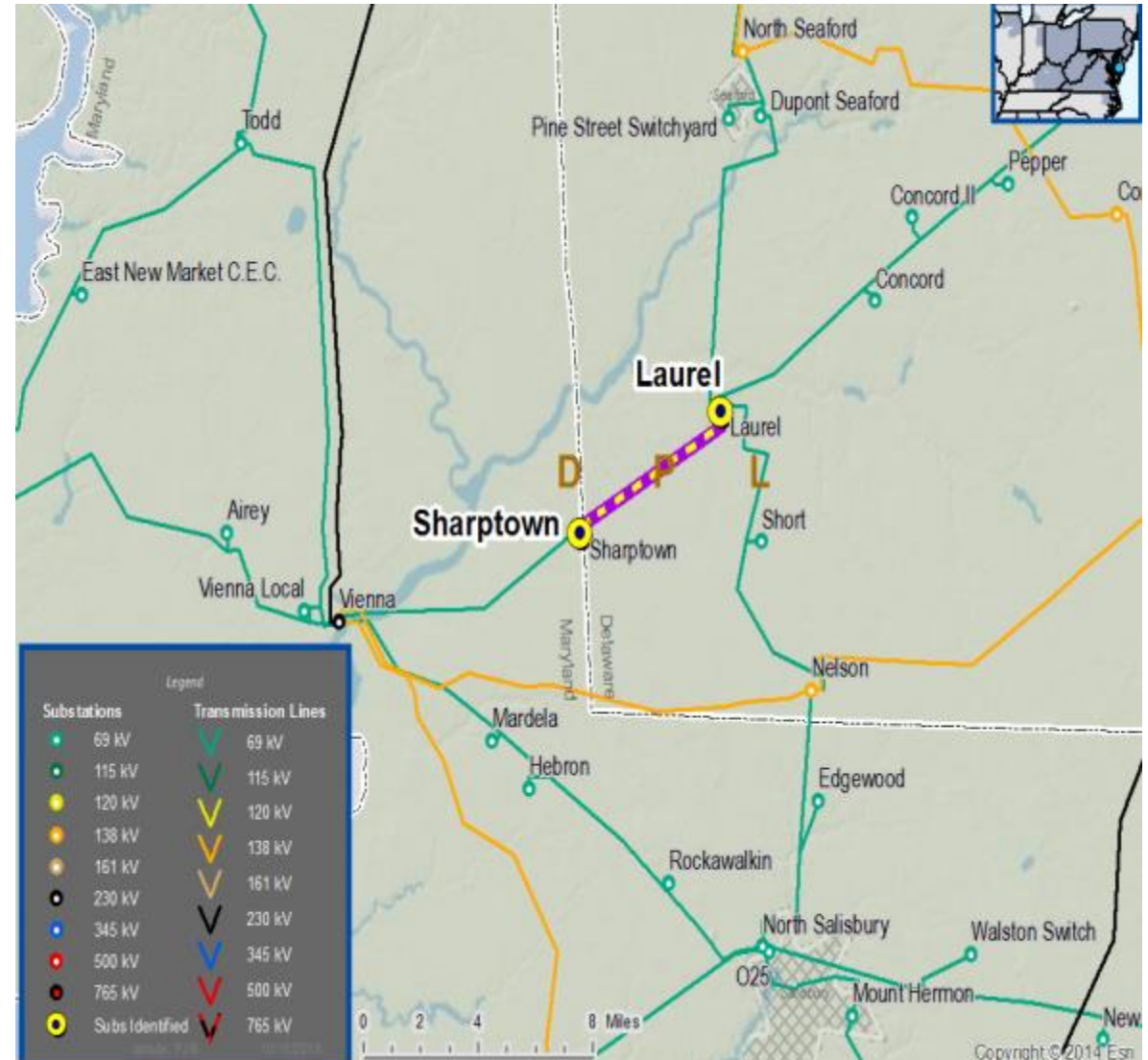
Asset Condition

Specific Assumption Reference:

Infrastructure replacement (EOL/condition/obsolescence) resulting in increased capacity and/or configuration changes; consistent with efficient asset management decisions

Problem Statement:

Comprehensive inspection data revealed deterioration on Sharptown – Laurel 69 kV line



Need Number DPL-2018-0004

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Selected Solution:

Rebuild line from Sharptown – Laurel substations. All structures, conductor, and static wire will be replaced with new steel poles, conductor, and OPGW.

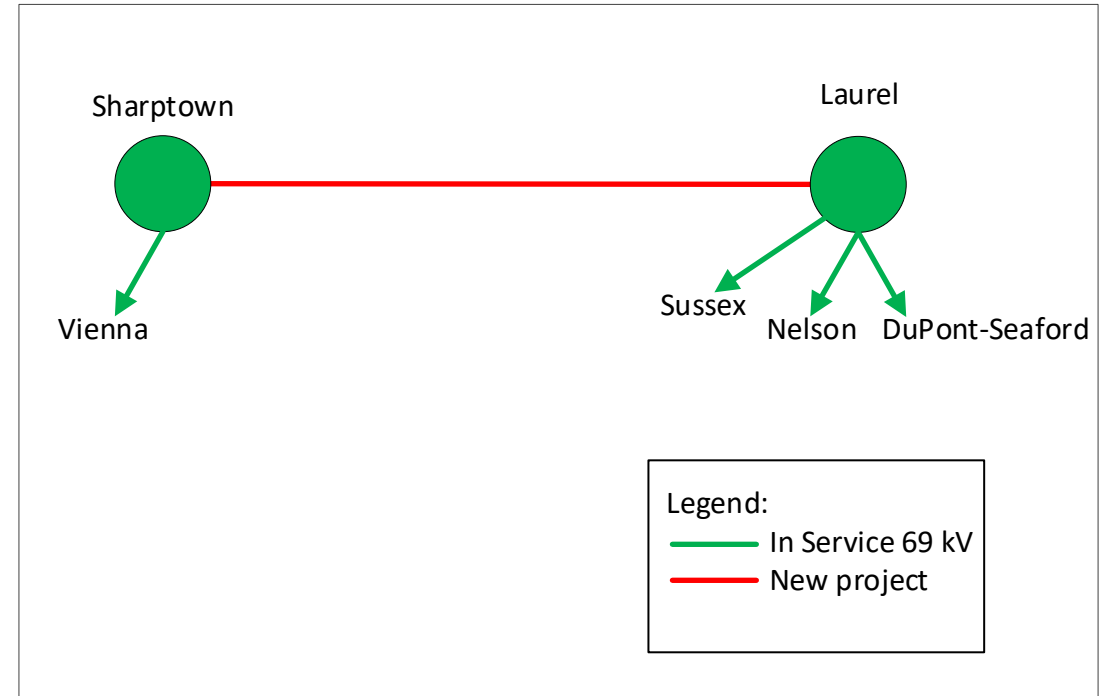
Estimated Cost: \$11M

Projected In-Service: 5/31/2022

Supplemental Project ID: s2072

Project Status: Engineering & Procurement

Model: PJM 2022 RTEP



Need Number: DPL-2018-0005

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Previously Presented:

Need: 10/29/2018

Solution: 1/25/2019

Project Driver:

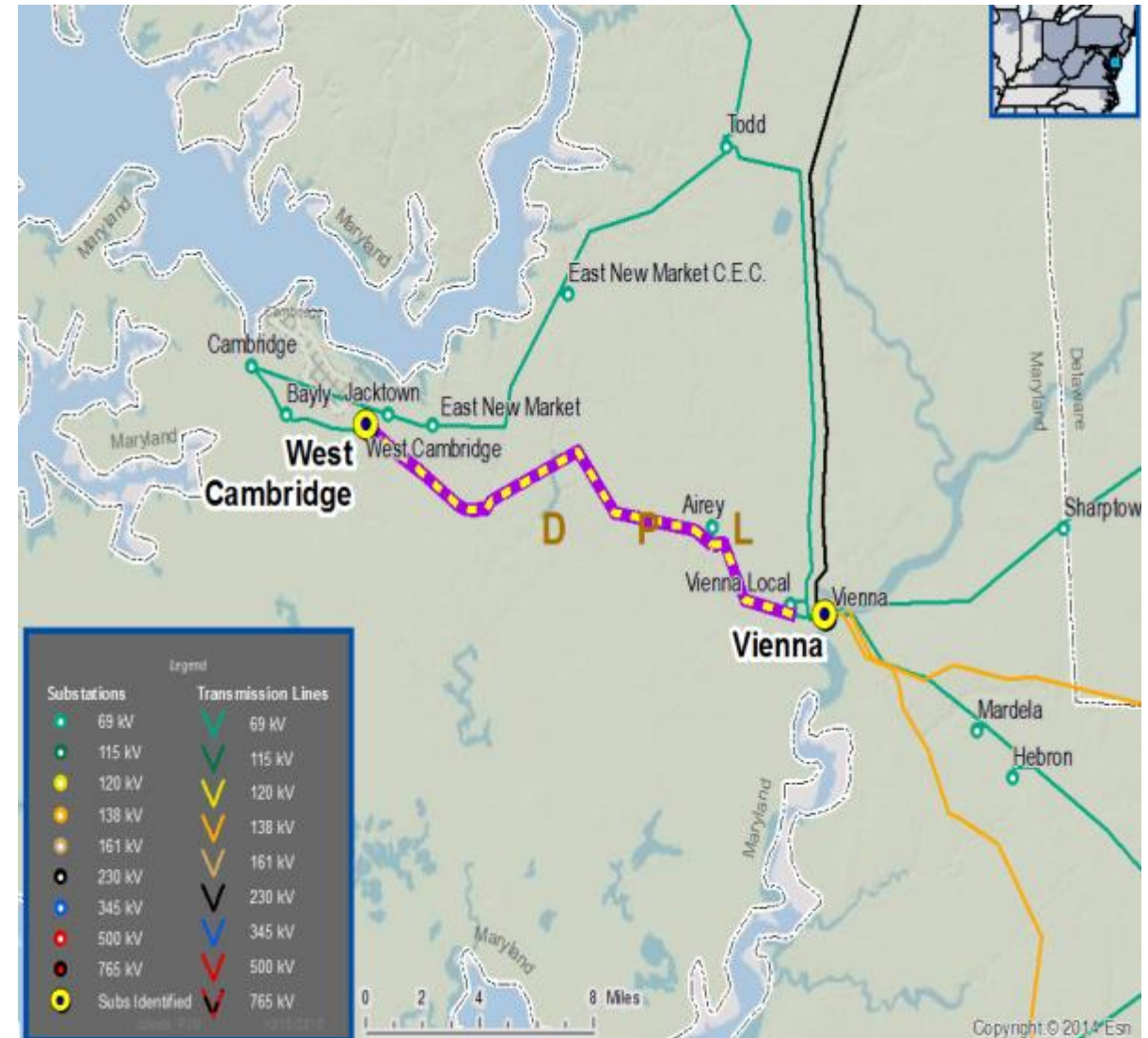
Asset Condition

Specific Assumption Reference:

Infrastructure replacement (EOL/condition/obsolescence) resulting in increased capacity and/or configuration changes; consistent with efficient asset management decisions

Problem Statement:

Comprehensive inspection data revealed deterioration on Vienna – West Cambridge 69 kV line





Need Number DPL-2018-0005

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 12/06/2019

Selected Solution:

Rebuild line from Vienna – West Cambridge substations. All structures, conductor, and static wire will be replaced with new steel poles, conductor, and OPGW.

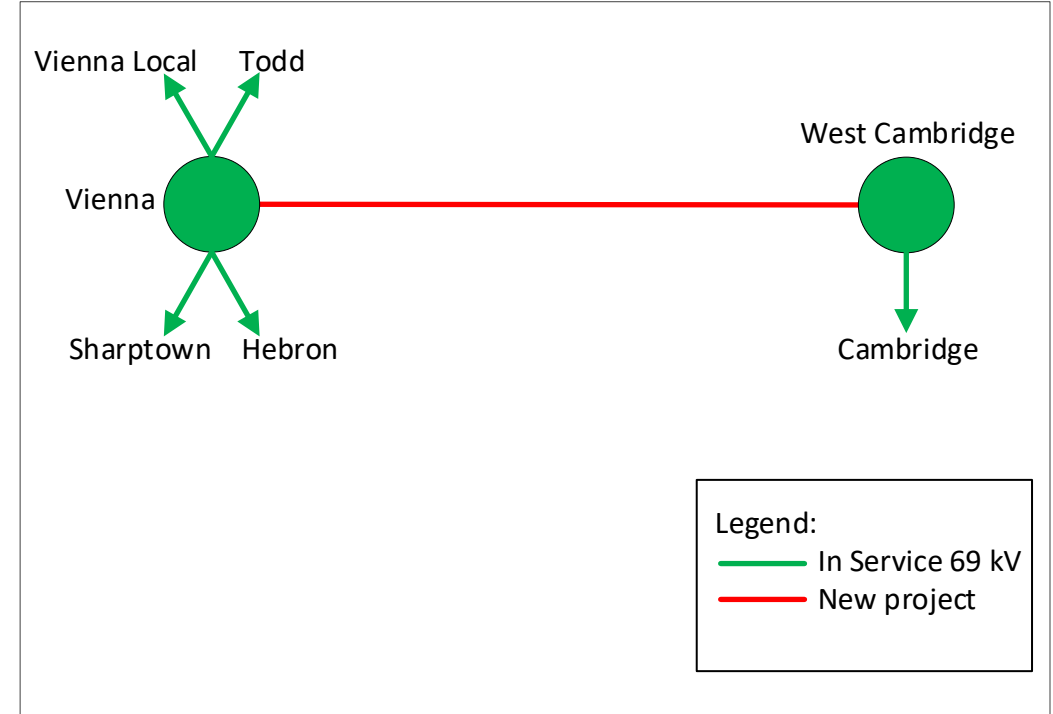
Estimated Cost: \$28.7M

Projected In-Service: 12/31/2022

Supplemental Project ID: s2073

Project Status: Engineering & Procurement

Model: PJM 2022 RTEP



Revision History

12/06/2019 – V1 – Posted Local plan for S1789, S1790, S1871, S2072 and S2073