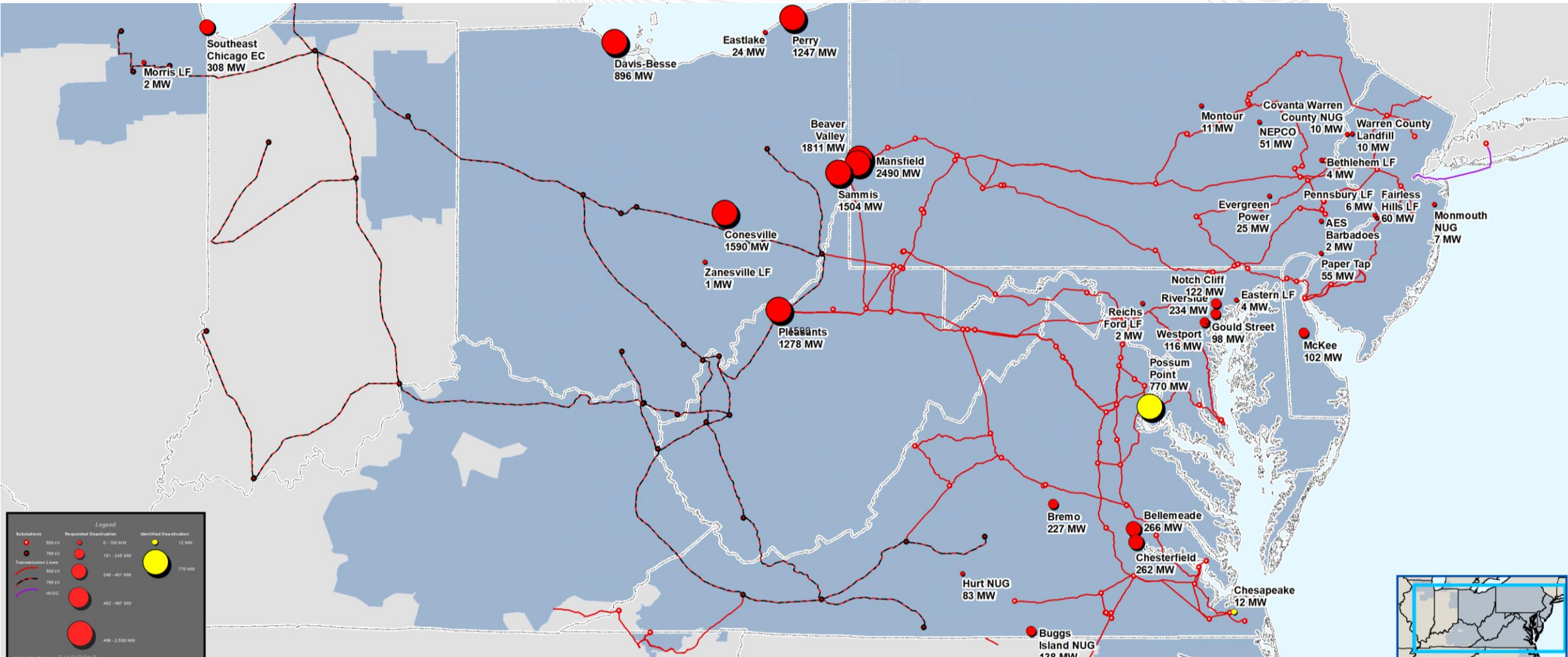




Generation Deactivation Notification Update

Transmission Expansion Advisory
Committee
May 16, 2019

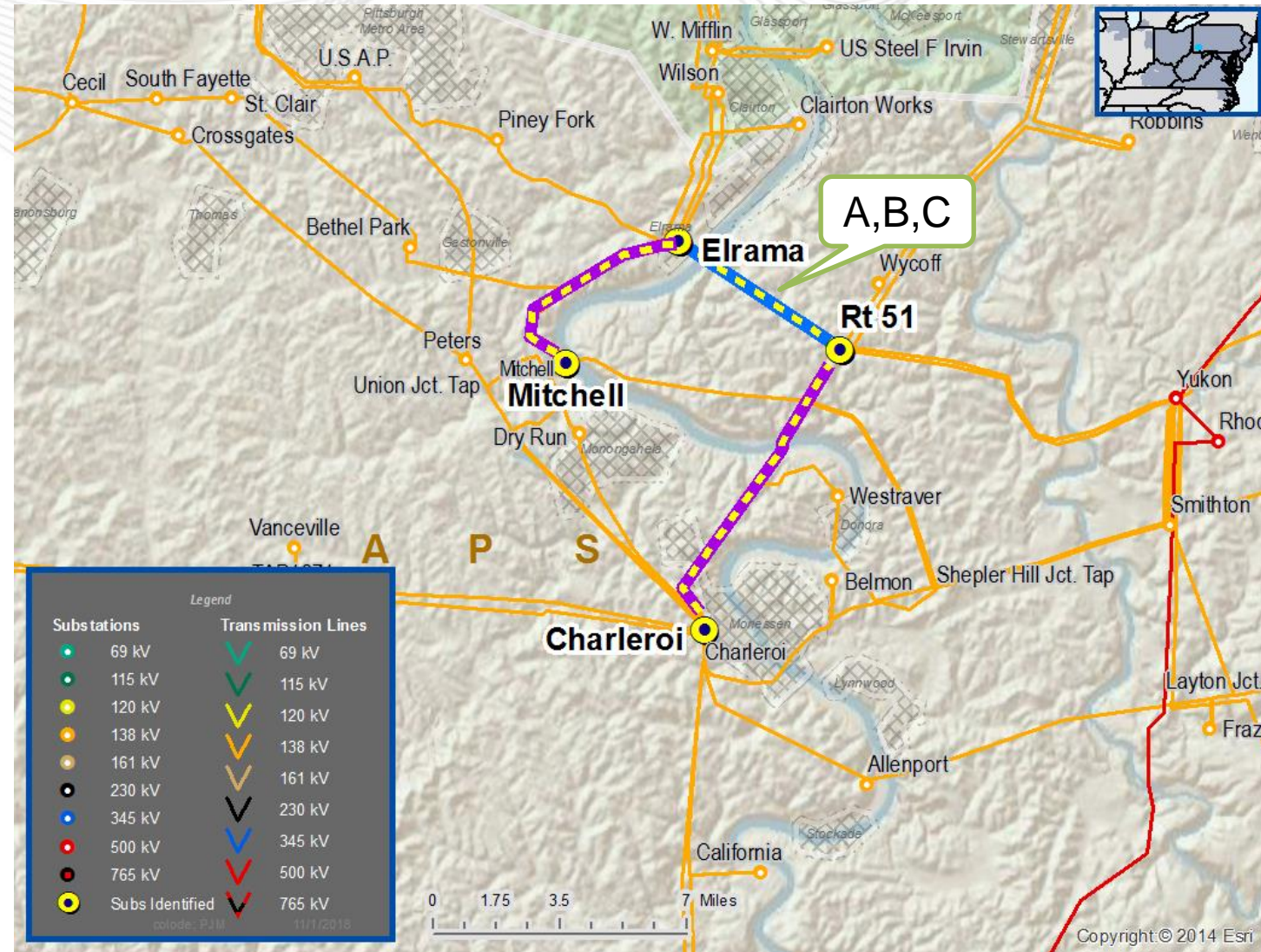


Unit(s)	Transmission Zone	Requested Deactivation Date	PJM Reliability Status
Possum Point 5 (770 MW)	Dominion	5/31/2021	Reliability analysis complete. No violations identified.
Chesapeake 2 (12.4 MW)	Dominion	06/07/2019	Reliability analysis complete. No violations identified.

Scope Change for B3012

Scope History

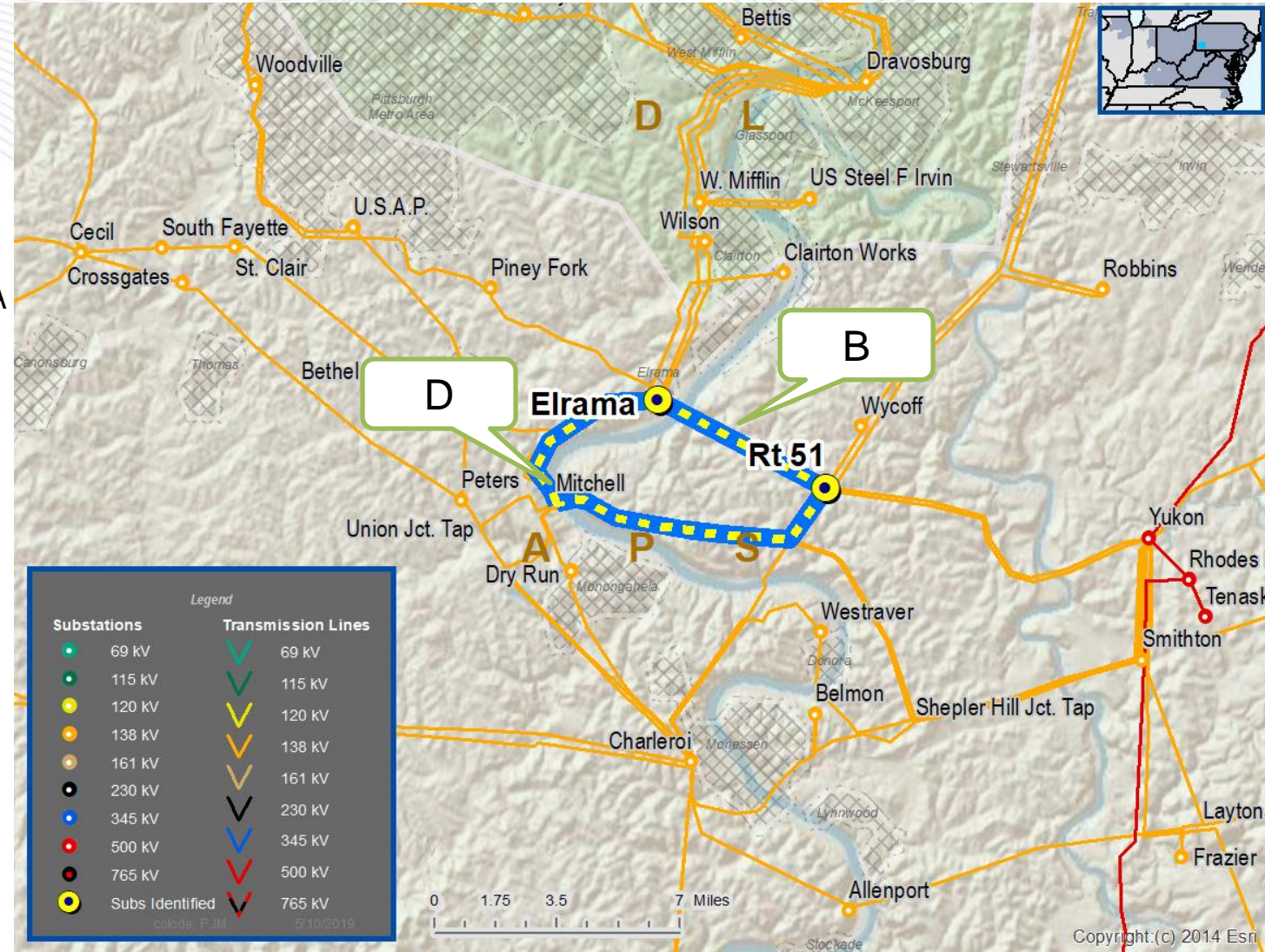
- A. June 7, 2018 TEAC: Initial scope for constructing two new 138 kV ties between Elrama and Route 51 using double circuit construction.
 - Driven by FENOC (nuclear) deactivations
 - Estimated cost: \$9.2M
- B. November 5, 2018: PJM receives FE construction acceptance for b3012
 - FE revised cost and scope to \$23.1M due to detailed estimate;
 - Estimated cost: \$27.7M (FE: \$23.1M; DLCO: \$4.6M)
- C. November 8, 2018 TEAC: Scope revised for additional FES Coal deactivations
 - Separate the two new Elrama – Route 51 circuits onto separate structures to alleviate common structure contingency overloads on the Mitchell - Elrama 138 kV and Route 51 - Charleroi 138 kV #1 and #2 lines.
 - New Estimated cost: \$45.7M (FE: \$41.1M, DLCO:\$4.6M)



Scope Change for B3012 – Continued

Revised Scope (Combine previous B with new D scope)

- B. Construct two new 138 kV tie lines using double circuit construction
 - Estimated cost: \$27.7M (FE: \$23.1M; DLCO: \$4.6M)
- D. Construct new Elrama – Route 51 138 kV #3 line (SN 789 MVA / SE 908 MVA).
 - Reconductor ~4.7 miles of the existing double circuit Shepler Hill Jct. – Mitchell 138 kV line (FE). Line will be six-wired.
 - Construct ~1.5 miles of new double circuit 138 kV line from Route 51 to the reconducted portion of the Shepler Hill Jct. – Mitchell 138 kV line (FE). Line will be six-wired.
 - Cut the existing Shepler Hill Jct. – Mitchell 138 kV line at two locations
 - Cut the Mitchell – Elrama line and connect to the former Shepler Hill Jct. – Mitchell 138 kV line. Establishes new tie line in place of the existing Elrama – Mitchell 138 kV line (DLCO).
 - Install one new terminal at FE's Route 51 substation (FE).



Scope Change for B3012 – Continued Revised Scope (Combine previous B with new D scope)

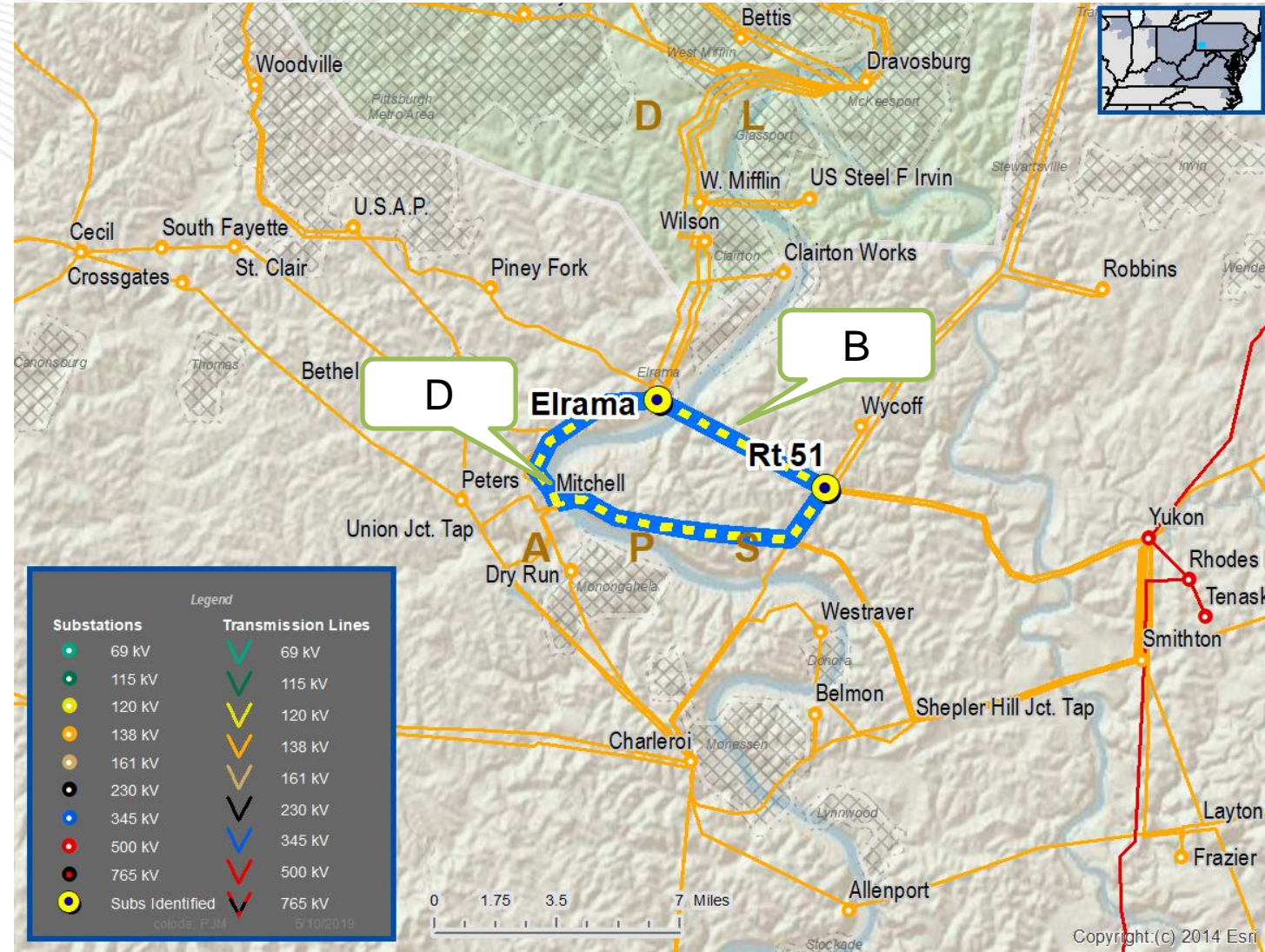
- This project eliminates the need for b2966, which reconductors Yukon - Smithton - Shepler Hill Jct, and replace line disconnect switch at Yukon.
 - o Estimated cost: \$6.7M.

D project cost: \$19.1 (FE: \$18.1M, DLCO:\$1M)

B & D combined cost: \$46.8M

Required IS Date: 06/01/2021

Projected IS Date: 06/01/2021



Revised Scope Change for B3012 – Benefit: \$5.6M

Work Description	Original Scope	Revised Scope
Construct new double circuit 138 kV tie lines (b3012 scope B)	Not Required	\$27.7M
Construct new circuits on separate structures (b3012 scope C)	\$45.7M	Not Required
Construct a new Elrama – Route 51 138 kV #3 line (b3012 scope D)	Not Required	\$19.1M
Reconductor Yukon - Smithton - Shepler Hill Jct (b2966)	\$6.7M	Not required
Total Estimated Cost	\$52.4M	\$46.8M

- V1 – 05/13/2019 – Original slides posted