

Duke-American Transmission Co. Submittal – “DATC 8”

Project Description:

DATC 8 addresses historical transmission system congestion in northern and southern Cincinnati area, allowing more economic generation to serve the power needs of homes and businesses, providing economic benefits well in excess of the project cost.

Project Details:

- Targeted In-Service Date: 2020
 - Public outreach, planning and design (2 years)
 - State Public Service commission approval (2 years)
 - ROW acquisition / detailed design (2 years)
 - Construction (2 years)
 - Note that portion of some construction activities may occur in parallel.
- Estimated Total Project Cost: \$25 Million (2013 dollars)
- Facility Impedance and Ratings: See “Idev” file
- New Substation: One new 345 kV substation called “DATC 8”
- New Transmission Line: 7 miles of new 345 kV transmission line from the new “DATC 8” substation to the existing “Woodsdale” substation

Need Driver:

- New “DATC 8” – Woodsdale 345 kV transmission line:
 - Provides a stronger system backbone in northern Cincinnati area and addresses the historically congested system elements near Cincinnati area.
- The DATC 8 project addresses the following constraints:
 - Miami Fort 345/138 kV transformer constraint
 - Pierce – Beckjord 138 kV constraint
 - Miami Fort – Hebron 138 kV constraint

Constructability:

- DATC has identified neither insurmountable constructability obstacles nor substantial delay risks.

Project One-Line:

- See Appendix A

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Appendix A: Project One-line Diagram

