

Dominion Energy

PJM Southern Sub-Regional RTEP Meeting

Update to the Dominion Energy Local Planning Assumptions previously discussed at the December 2019 Sub-Regional RTEP Meeting

Planning Criteria and Assumptions

- PJM Assumptions Apply
- All analysis and solutions must satisfy
 - NERC TPL standards
 - PJM Planning Criteria in Attachment D & G of PJM Manual 14B
 - [Dominion Energy's Facility Interconnection Requirements](#)
 - Requirements to connect to Dominion's Transmission system
 - Exhibit A – Dominion's FERC 715 Planning Criteria
 - Exhibit C – Generation Interconnection Protection Requirements
 - **Supplemental Project Drivers as Described Below**
- PJM and Dominion validate each other's study results to ensure solutions resolve specific need and create no other harm to system
- Proposed solutions are presented
 - TEAC for facilities 230 kV and above
 - Southern Sub-regional for facilities below 230 kV

Dominion Energy's Form No. 715 End of Life Planning Criteria

- Dominion has an End of Life (EOL) FERC 715 criteria for addressing transmission lines
 - The Infrastructure to be evaluated under this end-of-life criteria are all **regional transmission lines operated at 500 kV and above.**
 - The decision point of this criterion is based on satisfying two metrics:
 - 1) Facility is nearing, or has already passed, its end of life, and
 - 2) Continued operation risks negatively impacting reliability of the transmission system.
- Projects approved by PJM under this criteria are classified as baseline
- Detailed discussion on the End of Life criteria can be found in Exhibit A, section C.2.9 of [Dominion Energy's Facility Interconnection Requirements](#) document
- All other asset management **of** transmission infrastructure is covered by the M-3 Supplemental process
- The Appendix lists transmission lines expected to be evaluated using the **Form No. 715 and Attachment M-3** End of Life criteria in the 2020 RTEP cycle

Equipment Material Condition, Performance and Risk

Types of equipment assessed include but not limited to:

- **Transmission Lines below 500 kV**
- Line Components
(not part of EOL Criteria)
- Transformers
- Breakers
- Circuit Switchers
- Reactors
- Capbanks
- Wave Traps
- Relaying
- Switches
- Bus Work, Leads
- FACTS Devices

Dominion Energy's Attachment M-3 End of Life Planning Criteria

- Infrastructure to be evaluated under this end-of-life criteria are all transmission lines below 500 kV
- Projects must satisfy the following two decision point metrics:
 - 1) Facility is nearing, or has already passed, its end of life, and
 - 2) Continued operation risks negatively impacting reliability of the transmission system, including our ability to serve local load.
- Projects will be classified as supplemental
- The Appendix lists transmission lines expected to be evaluated using the Form No. 715 and Attachment M-3 End of Life criteria in the 2020 RTEP cycle

Appendix: Transmission lines expected to be evaluated using **Form No. 715 and Attachment M-3 End of Life** criteria in 2020 RTEP cycle

Line A	Line B	Line Section	Line A kV	Line B kV	Line A Year	Line B Year
293		Staunton – Valley	230		1981/1971	
1001		Battleboro – Chestnut	115		1959	
1024		Chestnut – South Justice Branch	115		1959	
2019		Greenwich – Thalia	230		1970/1988	
87		Chesapeake Energy Center – Churchland	115		1957	
514		Goose Creek – Doubs	500		1966	
204	220	Gum Springs -Jefferson St, Gum Springs - Ox	230		1966	
579	2110	Septa – Yadkin, Suffolk – Thrasher	500	230	1975	1975
26		Balcony Falls – Lexington	115		1928	
2007		Lynnhaven – Thalia	230		1970	
2049		Chesterfield – Allied	230		1994	

Note: This list covers lines to be evaluated under Dominion’s **Form No. 715 and Attachment M-3** End of Life criteria during the 2020 planning cycle. The evaluation could lead to some of these facilities being delayed, cancelled or removed from consideration as well as other facilities added.