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May 25, 2016

**BY HAND DELIVERY**

Mr. Joel H. Peck, Clerk  
c/o Document Control Center  
State Corporation Commission  
1300 East Main Street  
Tyler Building – First Floor  
Richmond, Virginia 23219

**Application of Virginia Electric and Power Company For approval and certification of  
electric facilities: Elklick Switching Station and Double Circuit 230 kV Tap Lines  
Case No. PUE-2016-00056**

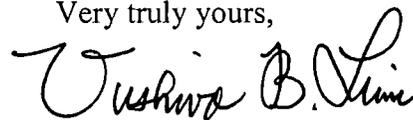
Dear Mr. Peck:

Please find enclosed for filing an unbound original and fifteen (15) copies of the application for approval and certification of electric facilities on behalf of Virginia Electric and Power Company (the "Company"). This filing contains the Application, Appendix, DEQ Supplement, Direct Testimony and Exhibits.

As indicated in Section II.A.9.b of the Appendix contained in the enclosed filing, three (3) copies of the Fairfax County map (identified as Attachment II.A.9.b to the Appendix) showing the proposed route of the transmission line project described in the Application were hand delivered to the State Corporation Commission of Virginia's (the "Commission") Division of Energy Regulation today. The Company also delivered to the Commission's Division of Energy Regulation today a CD-ROM containing the digital geographic information system (GIS) map required by Virginia Code § 56-46.1, which is Attachment II.A.2 to the Appendix contained in the enclosed filing.

Please do not hesitate to call if you have any questions in regard to the enclosed.

Very truly yours,



Vishwa B. Link

Enclosures

cc: William H. Chambliss, Esq.  
Charlotte P. McAfee, Esq.  
All federal, state and local agencies and officials listed in Section V.C. of the Appendix



**Dominion<sup>®</sup>**

**Application,  
Appendix, DEQ  
Supplement, Direct  
Testimony and  
Exhibits of  
Virginia Electric and  
Power Company**

**Before the State Corporation  
Commission of Virginia**

**Elklick Switching Station and  
Double Circuit 230 kV Tap Lines**

**Application No. 278**

**Case No. PUE-2016-00056**

**Filed: May 25, 2016**

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Application

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**COMMONWEALTH OF VIRGINIA  
BEFORE THE  
STATE CORPORATION COMMISSION**

**APPLICATION OF  
VIRGINIA ELECTRIC AND POWER COMPANY  
FOR APPROVAL AND CERTIFICATION  
OF ELECTRIC FACILITIES**

**Elklick Switching Station and Double Circuit 230 kV Tap Lines**

**Application No. 278**

**Case No. PUE-2016-00056**

**Filed: May 25, 2016**

COMMONWEALTH OF VIRGINIA  
BEFORE THE  
STATE CORPORATION COMMISSION

Application of )  
 )  
Virginia Electric and Power Company )  
 )  
For approval and certification of electric )  
transmission facilities under Va. Code )  
§ 56-46.1 and the Utility Facilities Act, )  
Va. Code § 56-265.1 *et seq.* )

Case No. PUE-2016-00056

**APPLICATION OF VIRGINIA ELECTRIC AND POWER COMPANY  
FOR APPROVAL AND CERTIFICATION OF ELECTRIC FACILITIES  
FOR ELKCLICK SWITCHING STATION AND DOUBLE CIRCUIT 230 KV  
TAP LINES AND FOR EXPEDITED CONSIDERATION**

Virginia Electric and Power Company (“Dominion Virginia Power” or the “Company”) respectfully shows as follows:

1. Dominion Virginia Power is a public service corporation organized under the laws of the Commonwealth of Virginia furnishing electric service to the public within its Virginia service territory. The Company also furnishes electric service to the public in portions of North Carolina. Dominion Virginia Power’s electric system, consisting of facilities for generation, transmission, and distribution of electric energy, is interconnected with the electric systems of neighboring utilities, and is a part of the interconnected network of electric systems serving the continental United States. By reason of its operation in two states and its interconnections with other utilities, the Company is engaged in interstate commerce.

2. In order to perform its legal duty to furnish adequate and reliable electric service, Dominion Virginia Power must, from time to time, replace and construct new transmission facilities in its system. The electric facilities proposed in this application

(“Application”) are necessary so that Dominion Virginia Power can continue to provide reliable electric service to its customers, consistent with mandatory North American Electric Reliability Corporation (“NERC”) Reliability Standards for transmission facilities and the Company’s planning criteria.

3. Accordingly, in order to accommodate an expansion of Northern Virginia Electric Cooperative’s (“NOVEC”) existing Pleasant Valley Delivery Point (“DP”) and to comply with mandatory NERC Reliability Standards, the Company proposes to construct, in Fairfax County, Virginia, four structures supporting new double-circuit 230 kV tap lines (“230 kV Tap Lines”) from its existing 230 kV Bull Run-Loudoun Line #295 to a proposed new 230 kV Elklick Switching Station (“Elklick Station”) (collectively, the “Project”).

4. The Company proposes to cut the existing Line #295 (at “Elklick Junction”) and extend each end for approximately 670 feet on four new line structures (exclusive of two new backbone structures) to terminate at the proposed Elklick Station, creating a revised 230 kV Bull Run-Elklick Line #295 and a new 230 kV Loudoun-Elklick Line #2173. At Elklick Station, four 230 kV breakers and associated equipment will be installed to reliably interconnect the expanded Pleasant Valley DP with the transmission grid, replacing the existing NOVEC-owned single-circuit 230 kV tap from Line #295 that feeds the existing Pleasant Valley DP.

5. As a transmission owner in the planning region of PJM Interconnection, L.L.C. (“PJM”), the Company fully participates in PJM’s transmission planning process under PJM’s Regional Transmission Expansion Plan Protocol and is obligated under the PJM Operating Agreement to construct, operate, and own transmission facilities as designated by PJM in its annual Regional Transmission Expansion Plan. Each year, PJM, transmission owners, and

other stakeholders conduct a thorough study of the electric transmission grid and, based upon the findings, consider proposals to address the system needs identified by the study. The proposed Project was presented at the PJM Southern Sub-Regional Transmission Expansion Planning process meeting on November 20, 2015, and was subsequently assigned Supplemental project number s1085.

6. The initial in-service date specified in NOVEC’s DP Change Request was May 31, 2016. To account for the time needed for permitting and construction of the Project, the Company has estimated a revised in-service date of December 31, 2017. The estimated construction time for the Project is 10-12 months. A period of six months will be needed for engineering, material procurement, and construction permitting. The estimated total cost of the proposed Project is approximately \$8.1 million, of which approximately \$2.1 million is for transmission line construction work, and approximately \$6.0 is for station work at the Ellick Station. These costs estimates are in 2016 dollars. The necessity for the proposed Project is described in more detail in Section I of the Appendix.

7. The 230 kV Tap Lines will run approximately 670 feet from their connection point to Ellick Station. The approximate size of the structures, materials to be used to construct the Project, and the right-of-way clearing methods, corridor usage, and maintenance procedures are described in Section II of the Appendix.

8. The proposed facilities will afford the best means of meeting the continuing need for reliable service while reasonably minimizing adverse impact on the scenic, environmental, and historic assets of the area. The route for the Project is located partially within the existing right-of-way, and the Company will secure easements for the new right-of-way. The transmission line route is described in Section III of the Appendix.

9. Based on consultations with the Virginia Department of Environmental Quality (“DEQ”), the Company has developed a supplement (“DEQ Supplement”) containing information designed to facilitate review and analysis of the proposed facilities by the DEQ and other relevant agencies. The DEQ Supplement is attached to this Application.

10. Dominion Virginia Power’s experience, the advice of consultants, and a review of published studies by experts in the field have disclosed no causal link to harmful health or safety effects from electric and magnetic fields generated by the Company’s existing or proposed facilities. This topic is discussed further in Section IV of the Appendix.

11. A list of federal, state, and local agencies and officials that reasonably may be expected to have an interest in the proposed construction of the Project, and to which a copy of the Application will be sent, is set forth in Section V of the Appendix.

12. In addition to the information provided in the Appendix and the DEQ Supplement, this Application is supported by the prepared direct testimony of Company witnesses Mark R. Gill, Robert J. Shevenock II, Wilson O. Velazquez, and Stefan R. Brooks filed with this Application.

13. Dominion Virginia Power respectfully requests expedited consideration of this Application. The in-service date for the proposed Project is December 31, 2017, based on the necessity for the proposed Project, which is described in more detail in Section I of the Appendix. The estimated construction time for the proposed Project is 10-12 months. A period of six months will be needed for engineering, material procurement, and construction permitting. Accordingly, the Company requests the Commission direct that notice be given and consider these matters without need for an evidentiary hearing and on an expedited basis.<sup>1</sup>

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<sup>1</sup> This proposed process is consistent with similar proceedings before the Commission. *See, e.g., Application of Virginia Electric and Power Company D/B/A Dominion Virginia Power, For amended*

The Company respectfully requests Commission approval of the proposed Project by October 1, 2016.

WHEREFORE, Dominion Virginia Power respectfully requests that the State Corporation Commission:

- (a) direct that notice of this Application be given as required by § 56-46.1 of the Code of Virginia;
- (b) approve pursuant to § 56-46.1 of the Code of Virginia the construction of the proposed Elclick Switching Station and Line #295 Double-Circuit 230 kV Tap Lines; and
- (c) grant a certificate of public convenience and necessity for the facilities under the Utility Facilities Act on an expedited basis.

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*certificates of public convenience and necessity for facilities in Hanover, Henrico, and Charles City Counties: Elmont-Chickahominy 230 kV Transmission Line, Case No. PUE-2009-00045, Order for Notice (July 14, 2009).*

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VIRGINIA ELECTRIC AND POWER COMPANY

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May 25, 2016