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**VIA HAND DELIVERY**

May 20, 2015

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: Yardley Ridge 230 kV Double Circuit Transmission Line Loop  
and 230 kV Yardley Ridge Switching Station  
Case No. PUE-2015-00054**

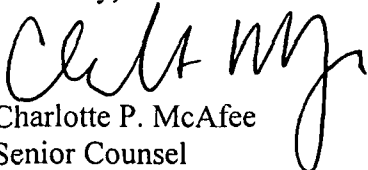
Dear Mr. Peck:

Enclosed for filing are an unbound original and fifteen (15) copies of Virginia Electric and Power Company's application for approval of electric facilities. 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 a map showing the proposed route of the transmission line project described in the application were hand delivered to the Commission's Division of Energy Regulation today. The Company also delivered to the 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.

If you have any questions regarding this matter, please do not hesitate to contact me.

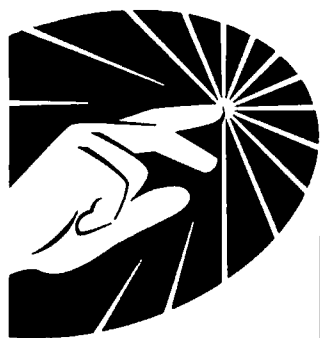
Sincerely,

  
Charlotte P. McAfee  
Senior Counsel

Enclosures

cc: William H. Chambliss, Esq.  
Vishwa B. Link, Esq.  
All federal, state and local agencies and officials listed in Section V.C. of the Appendix

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# **Dominion<sup>®</sup>**

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

**Before the State Corporation  
Commission of Virginia**

**Yardley Ridge 230 kV Double Circuit  
Transmission Line Loop and 230 kV  
Yardley Ridge Switching Station**

**Application No. 271**

**Case No. PUE-2015-00054**

**Filed: May 20, 2015**



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

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

**Yardley Ridge 230 kV  
Double Circuit Transmission Line Loop  
and 230 kV Yardley Ridge Switching Station**

**Application No. 271**

**Case No. PUE-2015-00054**

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

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Application of )  
)  
Virginia Electric and Power Company ) Case No. PUE-2015-00054  
)  
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.* )

**APPLICATION OF VIRGINIA ELECTRIC AND POWER COMPANY  
FOR APPROVAL AND CERTIFICATION OF ELECTRIC FACILITIES  
FOR YARDLEY RIDGE 230 kV DOUBLE CIRCUIT TRANSMISSION LINE LOOP  
AND 230 kV YARDLEY RIDGE SWITCHING STATION**

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 are necessary so that Dominion Virginia Power can provide requested service to Northern Virginia Electric Cooperative (“NOVEC”) for its customer in Loudoun County, Virginia, and maintain reliable electric service to its customers in the area in accordance with mandatory North American Electric Reliability Corporation (“NERC”) Reliability Standards for transmission facilities and the Company’s planning criteria.

3. Accordingly, the Company proposes to construct in Loudoun County, Virginia a new 230 kV Yardley Ridge Switching Station (“Yardley Ridge Station”) and a new approximately 0.4-mile overhead 230 kV double circuit transmission line between a tap of existing 230 kV Brambleton-BECO Line #2137 approximately 0.4 mile west of Old Ox Road (“Yardley Ridge Junction”) to Yardley Ridge Station (“Yardley Ridge Loop”) (the Yardley Ridge Loop and Yardley Ridge Station, collectively, the “Project”).

4. The proposed new facilities must be in service by June of 2018 as requested by NOVEC. The necessity for the proposed Project is described in more detail in Section I of the Appendix attached to this application.

5. The proposed Yardley Ridge Loop will be constructed on new right-of-way using double circuit, single-shaft galvanized steel poles with three twin-bundled 795 ACSR 26/7 phase conductors with a summer transfer capability of 1225 MVA. The approximate size of the structures, the 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. The proposed facilities will meet or exceed the standards of the National Electrical Safety Code in effect at the time of construction.

6. As noted above, the in-service date for the proposed facilities is June 2018, with an estimated 12 months for construction of the Project and a period of 12 months for engineering, material procurement, right-of-way acquisition and construction permitting. The estimated cost of the Project is approximately \$13.2 million (2015 dollars), of which approximately \$5.9 million is for transmission line construction and approximately \$7.4 million is for station work.

7. 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 Project will be constructed on a new 100-foot right-of-way. The Company has identified a proposed route and an alternate route for the Commission's consideration. The proposed transmission line route and alternate route are described in Section III of the Appendix.

8. 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.

9. 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. For further discussion of this topic, *see* Section IV of the Appendix.

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

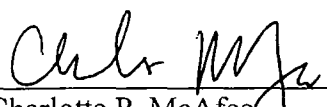
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11. In addition to the information provided in the Appendix and the DEQ Supplement, this application is supported by the prepared direct testimony of Company witnesses Mark R. Gill, Harrison S. Potter, Robert J. Shevenock II, Santosh Bhattarai and Benjamin A. Saunders filed with this application.

WHEREFORE, Dominion Virginia Power respectfully requests that the 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 230 kV transmission facilities; and
- (c) grant a certificate of public convenience and necessity for the facilities under the Utility Facilities Act.

**VIRGINIA ELECTRIC AND POWER COMPANY**

By:   
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May 20, 2015