

**Application to PJM Interconnection, L.L.C. (“PJM”) for Tariff, Part III Network
Integration Transmission Service**

Pursuant to the PJM Open Access Transmission Tariff, Part III, section 29.2, Virginia Electric and Power Company, doing business as Dominion Energy Virginia (“Dominion”), hereby submits an application (“Application”) to continue to take transmission service pursuant to a new Network Integration Transmission Service Agreement (Tariff, Attachment F) (the “New NITSA”).

The New NITSA will be in substantially similar content and form to the NITSA filed with but rejected by the Federal Energy Regulatory Commission (“FERC” or the “Commission”) in Docket No. ER22-935-000 (the “Renewal NITSA”).

All information and data in the following documents and repositories are incorporated by reference into this Application as if fully set forth herein in order to provide responsive information:

- The Renewal NITSA;
- Dominion’s past NITSA filings referenced in the January 31, 2022 Transmittal Letter filed in Docket No. ER22-935-000;
- PJM’s member file for Dominion;
- All data and information relating to Dominion that resides in PJM’s paper and electronic files, including but not limited to data in PJM’s Planning, Markets, and Operations models, EMS system, eDart application, TERM application, SCADA application, Regional Transmission Expansion Plan (“RTEP”), and other like PJM tools and applications; and
- All data and information Dominion has submitted to PJM pursuant to the PJM Open Access Transmission Tariff (“Tariff”), Amended and Restated Operating Agreement of PJM Interconnection, L.L.C., Reliability Assurance Agreement Among Load Serving Entities, Consolidated Transmission Owners Agreement, other relevant agreements, the PJM Manuals, and pursuant to any data requests.

Dominion has already furnished to PJM the information specified in, and has otherwise complied with, the “PJM Credit Policy” set forth in Tariff, Attachment Q.

Dominion requests that PJM Interconnection, L.L.C. submit the information on this Application on PJM’s OASIS.

Consistent with Tariff, Part III, section 29.2, Dominion reserves its rights to supplement the information contained in this Application and remedy any deficiencies in this Application.

Dominion submits this application as far as possible in advance of the April 11, 2022 commencement date for service pursuant to the New NITSA.

Dominion’s Application contains all of the information included in 18 C.F.R. § 2.20 including but not limited to the following:

- (i) Virginia Electric and Power Company, doing business as Dominion Energy Virginia (“Dominion”)
Attn: Power Contracts – Energy Supply
600 E. Canal Street
Richmond, VA 23219

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Facsimile (804) 775-5175

- (ii) Dominion represents that it is an Eligible Customer under the Tariff.
- (iii) A description of the Network Load at each delivery point. This description should separately identify and provide the Eligible Customer’s best estimate of the total loads to be served at each transmission voltage level, and the loads to be served from each Transmission Provider substation at the same transmission voltage level. The description should include a ten (10) year forecast of summer and winter load and resource requirements beginning with the first year after the service is scheduled to commence.

Response: See the data and information incorporated by reference above. In particular, load and voltage information are contained in both the PJM RTEP and EMS models.

- (iv) The amount and location of any interruptible loads included in the Network Load. This shall include the summer and winter capacity requirements for each interruptible load (had such load not been interruptible), that portion of the load subject to interruption, the conditions under which an interruption can be implemented and any limitations on the amount and frequency of interruptions. An Eligible Customer should identify the amount of interruptible customer load (if any) included in the 10-year load forecast provided in response to (iii) above.

Response: See the data and information incorporated by reference above.

- (v) A description of Network Resources (current and 10-year projection).

Response: See the data and information incorporated by reference above. Additionally, please note as follows:

- Unit sizes and amounts of capacity from units to be designated as Network Resource are available in PJM’s Planning, Markets and Operations models and at <https://www.pjm.com/-/media/markets-ops/rpm/rpm-auction-info/2022-2023/2022-2023-resources-designated-in-frr-plans.ashx>. For additional reference, refer to the 2021 Dominion Energy Integrated Resource Plan, Appendix Tables 3A, 3B, and 5A and 5B.

- VAR capabilities (both leading and lagging) of all generators are available in the eDART application, D-Curves. Additionally, Unit Reactive capability information can be retrieved via the following FERC dockets: EL16-89-000, EL17-40-000, ER06-554-000, ER17-512-000, ER17-512-001, ER17-512-002, ER17-512-003.

- Operating restrictions are available in PJM’s Planning, Markets and Operations models.

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- Information about any periods of restricted operations throughout the year is available in PJM’s Planning, Markets and Operations models. Additionally, information is available in the eDART application, Gen Outages.
- Maintenance schedules are available in the eDART application, Gen Outages.
- Minimum loading levels of units are available in PJM’s Planning, Markets and Operations models.
- Normal operating levels of units are available in PJM’s Planning, Markets and Operations models.
- Any must-run unit designations required for system reliability or contract reasons should be available in PJM’s Planning, Markets and Operations models.
- Approximate variable generating cost (\$/MWH) for redispatch computations are available in the Markets Gateway application.
- Arrangements governing sale and delivery of power to third parties from generating facilities located in the Transmission Provider Control Areas, where only a portion of units’ output are designated as a Network Resource should be available in PJM’s Planning, Markets and Operations models.
- For each off-system Network Resource, such description shall include:
 - Identification of the Network Resource as an off-system resource - N/A. There are no off-system resources.
 - Amount of power to which the customer has rights – N/A
 - Identification of the control area from which the power will originate – N/A
 - Delivery point(s) to the Transmission Provider’s Transmission System – N/A
 - Transmission arrangements on the external transmission system(s) - N/A
- Operating restrictions, if any - N/A
- Information about periods of restricted operations throughout the year is available in the eDART application, Gen Outages.

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- Maintenance schedules are available in the eDART application, Gen Outages.
- Minimum loading levels of units are available in the Markets Gateway application; ecomin.
- Normal operating levels of units are available in PJM’s Planning, Markets and Operations models.
- Any must-run unit designations required for system reliability or contract reasons are available in the Markets Gateway application; fixed gen/must run.
- Approximate variable generating cost (\$/MWH) for redispatch computations are available in PJM’s Planning, Markets and Operations models, as well as being filed annually through PJM’s cost offer VOM requirements.

(vi) Description of Eligible Customer’s transmission system:

Response: See the data and information incorporated by reference above. In addition, please note as follows:

- Load flow and stability data, such as real and reactive parts of the load, lines, transformers, reactive devices and load type, including normal and emergency ratings of all transmission equipment in a load flow format compatible with that used by the Transmission Provider should be contained in both the PJM RTEP and EMS models.
- Operating restrictions needed for reliability are provided in M-03B.
- Operating guides employed by system operators are provided in M-03 & M-03B.
- Information about contractual restrictions or committed uses of the Eligible Customer’s transmission system, other than the Eligible Customer’s Network Loads and Resources is available in the January 31, 2022 Transmittal Letter filed in Docket No. ER22-935-000 for the Renewal NITSA.
- Location of Network Resources described in subsection (v) above.
- 10-year projection of system expansions or upgrades is available in the PJM RTEP.
- Transmission System maps that include any proposed expansions or upgrades are available in the PJM RTEP.

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- Thermal ratings of Eligible Customer’s Control Area ties with other Control Areas are available in the PJM RTEP, and the eDART and TERM applications.

(vii) Service Commencement Date and the term of the requested Network Integration Transmission Service.

Response: As soon as possible for a duration of five years.

(viii) The undersigned has reviewed the above application and certifies that the information contained herein is true and accurate to the best of my knowledge, information, and belief.

Further, I attest that all of the network resources identified in response to the prompt in Tariff, Part III, section 29.2(v) satisfy the following conditions:

(1) the Network Customer owns the resource, has committed to purchase generation pursuant to an executed contract, or has committed to purchase generation where execution of a contract is contingent upon the availability of transmission service under Tariff, Part III; and

(2) the Network Resources do not include any resources, or any portion thereof, that are committed for sale to non-designated third-party load or otherwise cannot be called upon to meet the Network Customer’s Network Load on a non-interruptible basis, except for purposes of fulfilling obligations under a reserve sharing program.

(ix) None

Signed this 7th day of April, 2022 by: ~~DKC~~

KB Curtis

Katheryn Curtis
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