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# Virginia State Corporation Commission
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November 15, 2024

**BY ELECTRONIC DELIVERY**

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State Corporation Commission
1300 E. Main Street, Tyler Bldg., 1st Fl.
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*Commonwealth of Virginia, ex rel. State Corporation Commission,*
*In re: Virginia Electric and Power Company's 2024 Integrated Resource Plan*
*filing pursuant to Va. Code § 56-597 et seq.*
**Case No. PUR-2024-00184**

Dear Mr. Logan:

In accordance with the Virginia State Corporation Commission's ("SCC") October 11, 2024 Order, please find enclosed for electronic filing in the above-captioned proceeding Virginia Electric and Power Company's SCC Directed 2024 IRP Supplement.

Please do not hesitate to contact me if you have any questions regarding this filing.

Very truly yours,

*/s/ Vishwa B. Link*

Vishwa B. Link

Enclosure

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# SCC Directed 2024 IRP Supplement

## 1.0 Introduction

On October 11, 2024, the Virginia State Corporation Commission ("SCC") issued an Order ("October 11 Order") directing Virginia Electric and Power Company ("Dominion Energy" or the "Company") to submit a supplement to its 2024 Integrated Resource Plan ("SCC Directed 2024 IRP Supplement"). More specifically, the SCC directed the Company to (1) conduct additional sensitivity modeling (as summarized in SCC Directed 2024 IRP Supplement Figure 1.1 below), including a description of assumptions made in conducting the modeling; and (2) identify whether known transmission projects are primarily being driven by data center load growth.

**SCC Directed 2024 IRP Supplement Figure 1.1:**
**Sensitivity Modeling Summary**

| Sensitivity Modeling Summary | | | | |
|---|---|---|---|---|
| | **Name** | **Plan** | **Data Center Load Growth** | **Capacity Forecast** |
| 1 | No Data Center Load Growth – REC RPS Only with EPA | Least Cost Plan | Without | 2024 IRP |
| 2 | No Data Center Load Growth – VCEA with EPA | VCEA-compliant Plan | Without | 2024 IRP |
| 3 | Updated Capacity Pricing – REC RPS Only with EPA, with Data Center Load Growth | Least Cost Plan | With | Updated Capacity Price Forecast* |
| 4 | Updated Capacity Pricing – REC RPS Only with EPA, without Data Center Load Growth | Least Cost Plan | Without | Updated Capacity Price Forecast* |
| 5 | Updated Capacity Pricing – VCEA with EPA, with Data Center Load Growth | VCEA-compliant Plan | With | Updated Capacity Price Forecast* |
| 6 | Updated Capacity Pricing – VCEA with EPA, without Data Center Load Growth | VCEA-compliant Plan | Without | Updated Capacity Price Forecast* |

*Note: The updated capacity price forecast incorporates the impacts of the PJM base residual capacity auction held in July 2024 for the entire 15-year planning period, as directed in the October 11 Order.

As a regulated public utility, Dominion Energy has an obligation to reliably serve all customers who request service within its service territory. As a vertically integrated utility, the Company operates all three aspects of electric utility service: generation, transmission, and distribution systems to serve customers. The Company's service territory is served by the Dominion Energy Load Serving Entity ("DOM LSE").

Resource planning is designed around serving the load obligation for the entire system. In other words, Dominion Energy does not have dedicated generation or transmission system resources to serve any class of customers and does not plan to serve customers by class. Therefore, ignoring forecasted growth of one type of end-use customer (*i.e.*, data centers) is not a realistic assumption

for resource planning purposes. In addition, data center growth within the DOM LSE is validated by existing contracts with customers with binding financial commitments. The contracts that Dominion Energy currently has in hand supports the load forecast through 2032, if not beyond. As such, these customers are not just a number in a projection but rather are counting on us to provide them with reliable service.

Notwithstanding, and with respect to the Commission's desire for an expansive record, the Company has diligently undertaken the directed analysis as described in the October 11 Order and hereby presents the results as this SCC Directed 2024 IRP Supplement.

## 2.0 Sensitivity Modeling Input Assumptions

### 2.1 Load Forecast Assumptions

In order to model sensitivities to show projected data center load growth removed, as directed by the October 11 Order, new assumptions for the load forecast were created.

To show no data center load growth for the sensitivity analysis for energy, the Company used the DOM LSE load forecast and (1) froze the volume of energy attributable to data centers at the forecasted 2024 levels and (2) froze the proportion of Customer Choice data center customers at the forecasted 2024 levels and applied that to each forecast year.[1] SCC Directed 2024 IRP Supplement Figure 2.1.1 below shows the differences between the 2024 IRP energy forecast versus the directed "No Data Center Growth" energy forecast.

**SCC Directed 2024 IRP Supplement Figure 2.1.1:**
**Comparison of Energy Forecast – DOM LSE**

| | Energy (GWh) | |
|---|---|---|
| | 2024 IRP | No Data Center Growth |
| 2024 | 98,296 | 98,296 |
| 2025 | 99,307 | 97,761 |
| 2026 | 104,713 | 97,898 |
| 2027 | 107,693 | 98,127 |
| 2028 | 111,596 | 98,803 |
| 2029 | 115,058 | 98,955 |
| 2030 | 118,979 | 99,424 |
| 2031 | 122,949 | 100,011 |
| 2032 | 128,182 | 101,115 |
| 2033 | 132,684 | 101,515 |
| 2034 | 138,317 | 102,423 |
| 2035 | 144,476 | 103,484 |
| 2036 | 151,526 | 105,070 |
| 2037 | 158,049 | 105,844 |
| 2038 | 165,427 | 107,016 |
| 2039 | 172,999 | 108,329 |

[1] The Company also applied a factor to account for the impact of leap years.

In addition, for peak demand, a DOM LSE peak demand forecast was created that had data center demand frozen at 2024 levels. This was achieved by creating a Dominion Zone (DOM Zone) peak forecast net of data center demand to which the Company converted to a DOM LSE peak forecast net of data centers and then added back only the forecasted 2024 value. SCC Directed 2024 IRP Supplement Figure 2.1.2 provides a comparison of the coincident peak demand forecast as used in the 2024 IRP and the directed "No Data Center Growth" forecast.

**SCC Directed 2024 IRP Supplement Figure 2.1.2:**
**Comparison of Coincident Peak Demand Forecast**

| | CP (MW) | |
|---|---|---|
| | 2024 IRP | No Data Center Growth |
| 2024 | 17,353 | 17,353 |
| 2025 | 17,497 | 17,309 |
| 2026 | 18,147 | 17,300 |
| 2027 | 18,465 | 17,280 |
| 2028 | 18,870 | 17,290 |
| 2029 | 19,318 | 17,326 |
| 2030 | 19,787 | 17,376 |
| 2031 | 20,280 | 17,453 |
| 2032 | 20,875 | 17,548 |
| 2033 | 21,504 | 17,660 |
| 2034 | 22,245 | 17,818 |
| 2035 | 23,074 | 18,016 |
| 2036 | 23,985 | 18,269 |
| 2037 | 24,849 | 18,402 |
| 2038 | 25,708 | 18,480 |
| 2039 | 26,623 | 18,608 |

## 2.2 Updated Capacity Price Forecast Assumptions

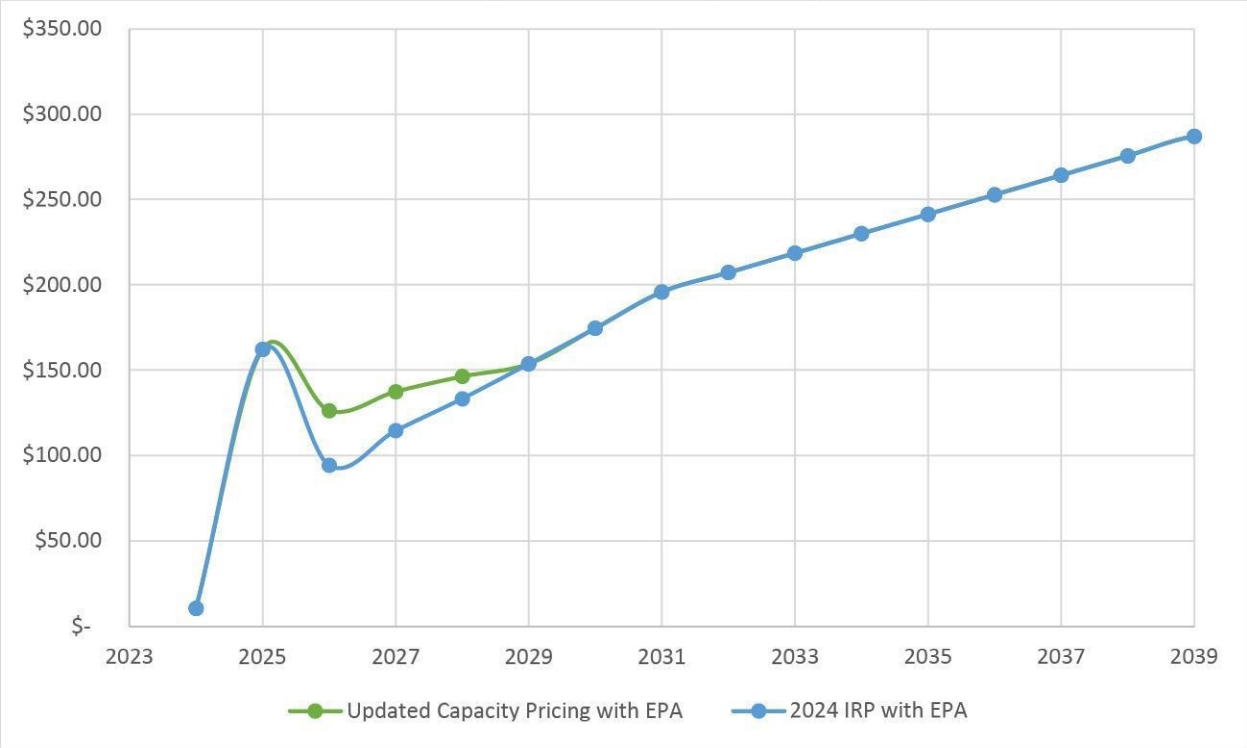
Dominion Energy obtained an updated capacity price forecast from ICF Resources, LLC ("ICF") to account for the PJM base residual capacity auction held in July 2024 for the entire 15-year planning period. ICF's forecast reflects elevated capacity prices in the near-term in consideration of:

1. Supply demand balance: recent market trends indicate a tightening supply and demand balance.
2. Retirement risks for existing generators: existing generation faces both economic and policy risks that could result in significant retirements by the early 2030s.
3. Risks of delays in new capacity additions: additions of new bulk system generation have experienced delays related to permitting, contracting, supply chain, and interconnection queue. These delays are expected to continue to some degree over the next several years.
4. Market structure: the forecast assumes no significant changes to market structure or rules.
5. Demand response: the forecast assumes no significant change in demand response participation in the markets in the near-term.

In response to high prices, ICF expects market adjustments that would result in a reversion to equilibrium prices beyond 2030.

The near-term elevated capacity prices and the market adjustment in a reversion to equilibrium prices beyond 2030 can be seen in SCC Directed 2024 IRP Supplement Figure 2.2.1 which compares the updated capacity pricing forecast for the DOM Zone with EPA with the 2024 IRP capacity pricing forecast.

**SCC Directed 2024 IRP Supplement Figure 2.2.1:**
**Comparison of Capacity Pricing Forecast with EPA for the DOM Zone**
**2024 IRP vs. Updated Capacity Prices ($/KW-yr)**




## 3.0 Sensitivity Modeling Results

Consistent with the directive to model sensitivities, the Company utilized the forecasts for energy, renewable energy certificates, and other commodities that served as inputs to the 2024 IRP. Similarly, the Company also held constant the available resource selection, build limits, REC purchase limits, capacity and energy import limits, energy efficiency savings reductions, and transmission build assumptions and costs. The capacity pricing forecast was updated for the designated sensitivities.

The sensitivity modeling results as compared to the REC RPS Only with EPA and VCEA with EPA Portfolios from the 2024 IRP are as shown in SCC Directed 2024 IRP Supplement Figure 3.1 below. In addition, SCC Directed 2024 IRP Supplement Appendix 1 contains build plan summaries for the sensitivities.

**SCC Directed 2024 IRP Supplement Figure 3.1:**
**Sensitivity Modeling Results**

| | 2024 IRP | | No Data Center Load Growth | | Updated Capacity Pricing | | | |
|---|---|---|---|---|---|---|---|---|
| **Portfolio** | REC RPS Only with EPA | VCEA with EPA | REC RPS Only with EPA | VCEA with EPA | REC RPS Only with EPA | REC RPS Only with EPA | VCEA with EPA | VCEA with EPA |
| **Data Center Growth** | With | With | Without | Without | With | Without | With | Without |
| **Net Present Value (NPV) Total ($B)** | $100.2 | $102.9 | $77.2 | $80.8 | $100.3 | $77.3 | $103.3 | $80.9 |
| **Solar (MW)** | 11,932 | 12,210 | 11,560 | 12,210 | 11,932 | 11,560 | 12,210 | 12,210 |
| **Wind (MW)** | 3,460 | 3,460 | 60 | 60 | 3,460 | 60 | 3,460 | 60 |
| **Storage (MW)** | 4,577 | 4,100 | - | 2,250 | 4,577 | - | 4,100 | 2,250 |
| **Nuclear (MW)** | 1,340 | 1,340 | - | - | 1,340 | - | 1,340 | - |
| **Natural Gas Fired (MW)** | 5,934 | 5,934 | 3,398 | 2,580 | 5,934 | 3,398 | 5,934 | 2,580 |
| **Retirements (MW)** | - | - | - | - | - | - | - | - |

*Overview of Results of the Modeling Sensitivity Analysis*

The results of the modeling sensitivity analysis show that even with updated capacity pricing and removing the data center load growth:

- There is still an incremental capacity need.
- The model does not choose to retire any existing generation.
- Renewable and dispatchable generation is needed to meet demand in all sensitivities.

*2024 IRP Portfolios Compared to No Data Center Growth*

When compared with the 2024 IRP REC RPS Only with EPA Portfolio, the REC RPS Only with EPA sensitivity with no data center load growth resulted in significantly less storage, nuclear and

wind resources being built. Approximately 400 MW, or 3%, less solar resources are built in the sensitivity. The model still chose to build approximately 3,400 MW of natural gas fired generation starting in 2030.

When compared with the 2024 IRP VCEA with EPA Portfolio, the VCEA with EPA sensitivity with no data center load growth resulted in significantly less nuclear and wind resources being built. The same amount of solar was chosen by the model in the 2024 IRP portfolio and the sensitivity and approximately 1,800 MW, or 44%, less storage resources were built. The model still chose to build approximately 2,600 MW of gas fired generation starting in 2030.

### *2024 IRP Portfolios Compared to Updated Capacity Pricing*

Updating the capacity pricing has almost no impact on the plan NPV in both the 2024 IRP REC RPS Only with EPA and VCEA with EPA Portfolios compared to the sensitivities. The total MWs built are identical to the 2024 IRP Portfolios when only updating the capacity pricing. The timing of when resources are built is also identical for all resources except natural gas fired generation. The first gas unit is still built in 2030 with the second, third and fourth units still being built in 2032, 2033, and 2034. There are minor timing differences of when the fifth and sixth gas units are built between 2035 through 2039.

Updating the capacity pricing *and* removing data center growth results in nearly identical build totals by resource type as the sensitivities that only removed data center growth. The NPVs for the sensitivities with updated capacity pricing and removing data center growth are also nearly identical to the NPVs with removing the data center growth. In summary, the updated capacity pricing forecast alone has an immaterial impact on the overall build plans and NPVs over the 15-year planning horizon.

## 4.0 Transmission Project Primary Drivers

Finally, regarding transmission interconnection and enhancement costs, the SCC directed that for all planned transmission projects identified in the 2024 IRP, the Company shall "identify whether the need for the transmission project is primarily being driven by data center load growth."

Appendix 2C-2 (formerly Appendix 3C in the 2023 IRP) of the Company's 2024 IRP identifies planned transmission projects, the projected cost, and whether the project was subject to PJM's Transmission Expansion Planning process. As directed by the Commission, the Company has updated this Appendix ("Supplemental Appendix 2C-2") by adding a Data Center column to identify the primary driver for each project. Supplemental Appendix 2C-2 can be found in SCC Directed 2024 IRP Supplement Appendix 2.

Data center driven projects are identified by a "**Y**" in the Data Center column and include projects that (1) were initiated by a Delivery Point ("DP") request specifically indicating that the interconnection was for a new data center load or, (2) resolve "harm" associated with the interconnection of new data center DPs, as identified through PJM and Transmission Owners' "Do No Harm" ("DNH") analysis.

Projects not considered "data center driven" have an "**N**" in the Data Center column and include electric transmission infrastructure replacements (*e.g.*, lines, transmission transformers, etc.) that satisfy the metrics in the Company's End-of-Life ("EOL") criteria or other supplemental drivers, such as operational flexibility and efficiency, infrastructure resilience, etc.

Projects identified by an "**M**" in the Data Center column are multi-driver regional reliability, mixed load (*e.g.*, commercial, residential, and data center), and/or generation deliverability projects that have been awarded to the Company through PJM's competitive Regional Transmission Expansion Plan ("RTEP") process. These projects may be driven by increased loads within a region (including those from data centers) but cannot be directly attributed to a specific customer type.

Information regarding the interconnection of end-user facilities (*i.e.*, DPs) to the electric transmission system can be found in the Dominion Energy Facility Interconnection Requirements ("FIR") document which is publicly available on the Company's website (www.dominionenergy.com).

The document "PJM Transmission Owners Attachment M-3 Process Guidelines", dated August 15, 2022, found on PJM's website (www.pjm.com/planning/rtep-development/stakeholder-process/trans-owners), discusses the DNH analysis.

Details of the EOL criteria can be found in Section C.2.9 of the Company's Electric Transmission Planning Criteria (https://www.pjm.com/planning/planning-criteria/to-planning-criteria).

PJM's RTEP Plan process is described in Manual 14B while the Competitive Planning process is described in Manual 14F; both are available on PJM's website.

## 5.0 Conclusion

As noted by the SCC in its October 11 Order and documented in the 2024 IRP, the Company and the Commonwealth are indeed facing unprecedented load growth. The Company takes seriously its obligation to reliably meet the needs of all customers, and the 2024 IRP presents a snapshot in time of the plan to do so with alternative resource portfolios. Dominion Energy does not believe that isolating—and entirely excluding—a certain end-use customer or customer class from the load forecast is a reasonable planning assumption as there is no reasonably foreseeable scenario in which that would reflect reality. Accordingly, while the Company has respectfully complied with the Commission's October 11 Order, the modeling sensitivity results presented herein should not be construed as "a forecast of [Dominion Energy's] load obligations and a plan to meet those obligations by supply side and demand side resources over the ensuing 15 years to promote reasonable prices, reliable service, energy independence, and environmental responsibility."[2] The Company will adhere to its mission to provide reliable, affordable, and increasingly clean energy that powers all our customers every day.

[2] Va. Code § 56-597, definition of an integrated resource plan or IRP.

# SCC Directed 2024 IRP Supplement Appendix 1: Sensitivity Build Plan Summaries

## No Data Center Load Growth – REC RPS Only with EPA

| Year | Solar PPA | Solar COS | Solar DER | Wind | Storage | Natural Gas Fired | Nuclear | Capacity Purchases | Retirements |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | 20 | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | 2,500 | - |
| 2027 | 206 | - | 3 | - | - | - | - | 1,200 | - |
| 2028 | 111 | - | - | - | - | - | - | 1,600 | - |
| 2029 | 1,020 | - | - | - | - | - | - | 1,300 | - |
| 2030 | 1,020 | - | - | - | - | 944 | - | 800 | - |
| 2031 | 1,020 | - | - | 60 | - | - | - | 800 | - |
| 2032 | 1,020 | - | - | - | - | 818 | - | 200 | - |
| 2033 | 1,020 | - | - | - | - | 818 | - | - | - |
| 2034 | 1,020 | - | - | - | - | 818 | - | - | - |
| 2035 | 1,020 | - | - | - | - | - | - | 100 | - |
| 2036 | 1,020 | - | - | - | - | - | - | 400 | - |
| 2037 | 1,020 | - | - | - | - | - | - | 500 | - |
| 2038 | 1,020 | - | - | - | - | - | - | 600 | - |
| 2039 | 1,020 | - | - | - | - | - | - | 700 | - |
| **TOTAL** | **11,557** | - | **3** | **60** | - | **3,398** | - | **10,700** | - |

## No Data Center Load Growth – VCEA with EPA

| Year | Solar PPA | Solar COS | Solar DER | Wind | Storage | Natural Gas Fired | Nuclear | Capacity Purchases | Retirements |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | - | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | 2,400 | - |
| 2027 | - | - | - | - | - | - | - | 1,100 | - |
| 2028 | - | - | - | - | - | - | - | 1,300 | - |
| 2029 | 660 | 360 | 45 | - | 100 | | - | 1,000 | - |
| 2030 | 660 | 360 | 66 | - | 100 | 944 | - | 400 | - |
| 2031 | 720 | 300 | 75 | 60 | 150 | - | - | 400 | - |
| 2032 | 720 | 300 | 87 | - | 200 | 818 | - | - | - |
| 2033 | 720 | 300 | 96 | - | 200 | 818 | - | - | - |
| 2034 | 720 | 300 | 99 | - | 200 | - | - | - | - |
| 2035 | 720 | 300 | 102 | - | 200 | - | - | 100 | - |
| 2036 | 720 | 300 | 102 | - | 250 | - | - | 400 | - |
| 2037 | 720 | 300 | 105 | - | 250 | - | - | 500 | - |
| 2038 | 720 | 300 | 108 | - | 300 | - | - | 400 | - |
| 2039 | 720 | 300 | 105 | - | 300 | - | - | 500 | - |
| **TOTAL** | **7,800** | **3,420** | **990** | **60** | **2,250** | **2,580** | - | **8,500** | - |

## Updated Capacity Pricing – REC RPS Only with EPA, with Data Center Load Growth

| Year | Solar PPA | Solar COS | Solar DER | Wind | Storage | Natural Gas Fired | Nuclear | Capacity Purchases | Retirements |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | 20 | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | 150 | - | - | 3,200 | - |
| 2027 | 206 | - | 4 | - | 92 | - | - | 2,300 | - |
| 2028 | 482 | - | - | - | 485 | - | - | 2,800 | - |
| 2029 | 1,020 | - | - | - | 350 | - | - | 2,800 | - |
| 2030 | 1,020 | - | - | - | 350 | 944 | - | 2,500 | - |
| 2031 | 1,020 | - | - | 60 | 350 | - | - | 2,900 | - |
| 2032 | 1,020 | - | - | - | 350 | 1,268 | - | 2,200 | - |
| 2033 | 1,020 | - | - | - | 350 | 818 | - | 2,400 | - |
| 2034 | 1,020 | - | - | - | 350 | 1,268 | - | 2,600 | - |
| 2035 | 1,020 | - | - | - | 350 | - | 268 | 3,000 | - |
| 2036 | 1,020 | - | - | - | 350 | 818 | 268 | 3,000 | - |
| 2037 | 1,020 | - | - | 2,600 | 350 | - | 268 | 3,100 | - |
| 2038 | 1,020 | - | - | - | 350 | 818 | 268 | 2,900 | - |
| 2039 | 1,020 | - | - | 800 | 350 | - | 268 | 3,300 | - |
| **TOTAL** | **11,928** | **-** | **4** | **3,460** | **4,577** | **5,934** | **1,340** | **39,000** | **-** |

## Updated Capacity Pricing – REC RPS Only with EPA, without Data Center Load Growth

| Year | Solar PPA | Solar COS | Solar DER | Wind | Storage | Natural Gas Fired | Nuclear | Capacity Purchases | Retirements |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | 20 | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | 2,500 | - |
| 2027 | 206 | - | 3 | - | - | - | - | 1,200 | - |
| 2028 | 111 | - | - | - | - | - | - | 1,600 | - |
| 2029 | 1,020 | - | - | - | - | - | - | 1,300 | - |
| 2030 | 1,020 | - | - | - | - | 944 | - | 800 | - |
| 2031 | 1,020 | - | - | 60 | - | - | - | 800 | - |
| 2032 | 1,020 | - | - | - | - | 818 | - | 200 | - |
| 2033 | 1,020 | - | - | - | - | 818 | - | - | - |
| 2034 | 1,020 | - | - | - | - | 818 | - | - | - |
| 2035 | 1,020 | - | - | - | - | - | - | 100 | - |
| 2036 | 1,020 | - | - | - | - | - | - | 400 | - |
| 2037 | 1,020 | - | - | - | - | - | - | 500 | - |
| 2038 | 1,020 | - | - | - | - | - | - | 600 | - |
| 2039 | 1,020 | - | - | - | - | - | - | 700 | - |
| **TOTAL** | **11,557** | **-** | **3** | **60** | **-** | **3,398** | **-** | **10,700** | **-** |

## Updated Capacity Pricing – VCEA with EPA, with Data Center Load Growth

| Year | Solar PPA | Solar COS | Solar DER | Wind | Storage | Natural Gas Fired | Nuclear | Capacity Purchases | Retirements |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | - | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | 3,200 | - |
| 2027 | - | - | - | - | - | - | - | 2,300 | - |
| 2028 | - | - | - | - | 250 | - | - | 2,800 | - |
| 2029 | 660 | 360 | 45 | - | 350 | - | - | 2,800 | - |
| 2030 | 660 | 360 | 66 | - | 350 | 944 | - | 2,500 | - |
| 2031 | 720 | 300 | 75 | 60 | 350 | - | - | 2,800 | - |
| 2032 | 720 | 300 | 87 | - | 350 | 1,268 | - | 2,200 | - |
| 2033 | 720 | 300 | 96 | - | 350 | 818 | - | 2,400 | - |
| 2034 | 720 | 300 | 99 | 800 | 350 | 818 | - | 2,700 | - |
| 2035 | 720 | 300 | 102 | - | 350 | - | 268 | 3,200 | - |
| 2036 | 720 | 300 | 102 | - | 350 | 1,268 | 268 | 2,800 | - |
| 2037 | 720 | 300 | 105 | - | 350 | 818 | 268 | 2,700 | - |
| 2038 | 720 | 300 | 108 | 2,600 | 350 | - | 268 | 2,700 | - |
| 2039 | 720 | 300 | 105 | - | 350 | - | 268 | 3,300 | - |
| **TOTAL** | **7,800** | **3,420** | **990** | **3,460** | **4,100** | **5,934** | **1,340** | **38,400** | **-** |

## Updated Capacity Pricing – VCEA with EPA, without Data Center Load Growth

| Year | Solar PPA | Solar COS | Solar DER | Wind | Storage | Natural Gas Fired | Nuclear | Capacity Purchases | Retirements |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | - | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | 2,400 | - |
| 2027 | - | - | - | - | - | - | - | 1,100 | - |
| 2028 | - | - | - | - | - | - | - | 1,300 | - |
| 2029 | 660 | 360 | 45 | - | 100 | - | - | 1,000 | - |
| 2030 | 660 | 360 | 66 | - | 100 | 944 | - | 400 | - |
| 2031 | 720 | 300 | 75 | 60 | 150 | - | - | 400 | - |
| 2032 | 720 | 300 | 87 | - | 200 | 818 | - | - | - |
| 2033 | 720 | 300 | 96 | - | 200 | 818 | - | - | - |
| 2034 | 720 | 300 | 99 | - | 200 | - | - | - | - |
| 2035 | 720 | 300 | 102 | - | 200 | - | - | 100 | - |
| 2036 | 720 | 300 | 102 | - | 250 | - | - | 400 | - |
| 2037 | 720 | 300 | 105 | - | 250 | - | - | 500 | - |
| 2038 | 720 | 300 | 108 | - | 300 | - | - | 400 | - |
| 2039 | 720 | 300 | 105 | - | 300 | - | - | 500 | - |
| **TOTAL** | **7,800** | **3,420** | **990** | **60** | **2,250** | **2,580** | **-** | **8,500** | **-** |

# SCC Directed 2024 IRP Supplement Appendix 2: Supplemental Appendix 2C-2

**Supplemental Appendix 2C-2: List of Planned Transmission Projects during the Planning Period**

| Project Description | Line Voltage (kV) | Target Date | Location | PJM RTEP Cost Estimates ($M) | Data Center Y/N/M |
|---|---|---|---|---|---|
| Winters Branch - Add 4th TX - DEV (Position #4) | 230 | Aug-24 | VA | 0.3 | Y |
| Pearsons 230kV Switch Replacements EOL | 230 | Aug-24 | VA | 0.5 | N |
| Altair 230kV Delivery - NOVEC (Microsoft Leesburg) (Belmont-Altair-Brambleton) | 230 | Sep-24 | VA | 51.9 | Y |
| Line #224 (Lanexa -Northern Neck) EOL Rebuild and 2nd Circuit | 230 | Sep-24 | VA | 151.0 | N |
| Youngs Branch - Add 2nd TX - DEV | 230 | Sep-24 | VA | 0.8 | Y |
| Aviator 230kV Delivery - DEV | 230 | Sep-24 | VA | 42.0 | Y |
| Cemetery Road Sub - 115kV Delivery - DEV | 115 | Oct-24 | VA | 5.0 | N |
| Thunderball (Wildwood) 230kV Delivery - NOVEC | 230 | Oct-24 | VA | 13.9 | Y |
| Clifton Forge TX#2 EOL | 138/230 | Nov-24 | VA | 3.0 | N |
| Line #2008 Uprate - Takeoff to Lincoln Park | 230 | Nov-24 | VA | 4.5 | Y |
| Line #2008 Uprate - Takeoff to Walney | 230 | Nov-24 | VA | 2.0 | Y |
| Gretna 69kV Delivery - Add 2nd TX - DEV | 69 | Nov-24 | VA | 0.6 | N |
| Line #2008 Uprate - Cub Run to Walney | 230 | Nov-24 | VA | 2.0 | Y |
| Line #2242 Uprate - Dulles to Lincoln Park | 230 | Nov-24 | VA | 6.0 | Y |
| 230kV Line Extension Cannon Branch to Winters Branch | 230 | Dec-24 | VA | 22.0 | M |
| Trappe Rock 230kV Delivery - NOVEC | 230 | Dec-24 | VA | 16.2 | Y |
| Roundtable 230kV Delivery - Add 3rd and 4th TX | 230 | Dec-24 | VA | 0.8 | Y |
| Farmville 230-115kV Transformer #5 EOL Replacement | 115/230 | Dec-24 | VA | 6.4 | N |
| NIVO - Bus Expansion | 230 | Dec-24 | VA | 12.0 | M |
| Magruder Sub - Upgrade 115/34.5kV TX#1 - DEV | 115 | Dec-24 | VA | 1.0 | N |
| Northstar 230kV Delivery - NOVEC | 230 | Dec-24 | VA | 10.0 | Y |
| Line #81 (Carolina - S Justice Branch) EOL Partial Rebuild - 1.7 mile Double Circuit Sections with Line #2056 (Hornertown-Hathaway) | 115 | Dec-24 | NC | 3.4 | N |
| Metcalf Sub 115kV Delivery - TX #1 Upgrade - DEV | 115 | Dec-24 | VA | 0.6 | N |
| Harrisonburg Transformer#1 Upgrade | 115 | Dec-24 | VA | 0.3 | N |
| NIT Industrial - New 230kV Delivery Point (DEV) | 230 | Dec-24 | VA | 5.0 | N |
| Line #2010 Underground Relocation | 230 | Dec-24 | VA | 40.0 | N |
| Line #100 (Locks to Harrowgate) Partial Rebuild | 115 | Dec-24 | VA | 9.1 | N |
| Bishop Substation -115 kV Delivery (MEC) - Ridge DP | 115 | Mar-25 | VA | 15.0 | Y |
| Jeffress Sub - 115 kV Delivery (MEC) - Lakeside DP | 115 | Feb-25 | VA | 15.5 | Y |
| 230kV Line Extension to Relieve Cloverhill Loop (Winters Branch - Wakeman) | 230 | Mar-25 | VA | 3.9 | Y |
| EPG - Add 2nd and 3rd TX - DEV | 230 | Mar-25 | VA | 6.1 | N |
| Nimbus 230kV Delivery - DEV (Beaumeade-Nimbus-Buttermilk) | 230 | Apr-25 | VA | 12.0 | Y |
| Line #141 (Balcony Falls to Skimmer ) & Line#28 (Balcony Falls to Cushaw) EOL and Balcony Falls Substation Rebuild | 115 | May-25 | VA | 55.0 | N |
| Davis Drive - 230kV Ring Bus Expansion - Line Extension W&OD Trail to Sub | 230 | Jun-25 | VA | 15.0 | Y |
| Clifton - Replace Overdutied L282 Breaker | 230 | Jun-25 | VA | 0.5 | Y |
| Install 115kV breaker at Stuarts Draft station | 115 | Jun-25 | VA | 5.0 | N |
| Cumulus 230kV Delivery - Add 5th TX - DEV | 230 | Jun-25 | VA | 0.5 | Y |
| DTC 230kV Delivery - DEV (Extension of Line #2143 (Beaumeade-BECO) to DTC) | 230 | Jun-25 | VA | 60.3 | Y |
| Sherwood Transformer#2 Upgrade | 115 | Jun-25 | VA | 0.4 | N |
| Line #2031 Uprate-Enterprise to Greenway to Roundtable | 230 | Jun-25 | VA | 5.9 | M |
| Line #2186 Uprate - Shellhorn to Enterprise | 230 | Jun-25 | VA | 4.0 | M |
| Line #2188 Uprate-Shellhorn to Greenway to Lockridge | 230 | Jun-25 | VA | 3.8 | M |
| Line #2214 Uprate - Buttermilk to Roundtable | 230 | Jun-25 | VA | 4.8 | M |
| Line #2218 Uprate-Sojourner to Runway DP to Shellhorn | 230 | Jun-25 | VA | 6.5 | M |
| Line #2223 Uprate-Roundtable to Lockridge | 230 | Jun-25 | VA | 2.6 | M |
| Rixlew 230 kV Delivery - NOVEC | 230 | Jun-25 | VA | 10.0 | Y |
| Line #249 (Carson to Locks) Rebuild and Energize TX #1 | 230 | Jun-25 | VA | 25.6 | N |
| Line #2151 Uprate - Railroad DP to Gainesville | 230 | Jun-25 | VA | 6.1 | Y |
| King and Queen 230kV Delivery - DEV | 230 | Jul-25 | VA | 1.9 | N |
| Lost City - New 230 kV Delivery - DEV | 230 | Jul-25 | VA | 10.2 | Y |
| Varina SUB - add new TX (TX #2) - DEV | 230 | Jul-25 | VA | 0.5 | N |

**Supplemental Appendix 2C-2: List of Planned Transmission Projects during the Planning Period**

| Project Description | Line Voltage (kV) | Target Date | Location | PJM RTEP Cost Estimates ($M) | Data Center Y/N/M |
|---|---|---|---|---|---|
| Line #105 (Tarboro-Parmele) EOL Rebuild | 115 | Jul-25 | NC | 26.0 | N |
| Evans Creek Sub - Roanoke DP - 230kV Delivery-DEV_New 230kV Line from Tunstall to Evans Creek and Evans Creek to Raines | 230 | Aug-25 | VA | 30.0 | Y |
| Raines Sub - Interstate DP - 230kV Delivery-DEV-New 230kV Line from Tunstall to Raines | 230 | Aug-25 | VA | 20.0 | Y |
| Tunstall Sub - Hillcrest DP - 230kV Delivery-DEV-New Unity 500/230kV Sub - Two New 230kV Lines from Unity to Tunstall | 230/500 | Aug-25 | VA | 140.0 | Y |
| Partial Line#5 Retirement (Fork Union to Cunningham DP)-line 1049 retirement | 115 | Aug-25 | VA | 5.5 | N |
| Trident 230 kV Delivery - NOVEC (ARC West) (Gainesville-Trident-Wheeler) | 230 | Sep-25 | VA | 15.8 | Y |
| Interconnection 230kV Delivery - DEV (Beaumeade-Interconnection-Nimbus) | 230 | Sep-25 | VA | 32.0 | Y |
| Park Center 230kV Delivery - DEV | 230 | Sep-25 | VA | 10.0 | Y |
| Foster Drive 230 kV Delivery - CoM (BCG & AWS) | 230 | Oct-25 | VA | 15.3 | Y |
| Ocean Court 230kV Delivery - DEV | 230 | Oct-25 | VA | 12.7 | Y |
| Prentice Drive 230kV Delivery - DEV (CPR changed to Engineering) | 230 | Oct-25 | VA | 20.0 | Y |
| Southall (North Louisa (REB)) 230kV Delivery (Amazon AZ) - ODEC - Engineering | 230 | Nov-25 | VA | 55.0 | Y |
| Line #77 (Carolina-Roanoke Rapids Hydro) EOL Rebuild | 115 | Nov-25 | VA | 7.4 | N |
| Line #81 (Carolina - S Justice Branch) EOL Partial Rebuild | 115 | Nov-25 | NC | 27.2 | N |
| Install 2nd 115kV 33.67MVar Cap bank at Harrisonburg | 115 | Dec-25 | VA | 1.0 | N |
| Walnut Creek 115kV switching station | 115 | Dec-25 | VA | 23.7 | N |
| Line #2095 Uprate - Cabin Run to Shellhorn | 230 | Dec-25 | VA | 8.0 | Y |
| Stratus 230kV Delivery - DEV - (CPR changed to Engineering) | 230 | Dec-25 | VA | 24.0 | Y |
| Brickyard 230kV Delivery - DEV | 230 | Dec-25 | VA | 6.6 | Y |
| Buttermilk 230kV Delivery - Add 3rd and 4th TX | 230 | Dec-25 | VA | 1.0 | Y |
| Butler Farm Sub - 230kV Delivery-DEV- Bailey DP - New Finneywood 500/230kV Sub a new 230kV Line (Butler Farm - Finneywood) a nd a new 230kV Line (Butler Farm - Clover) | 230/500 | Dec-25 | VA | 220.0 | Y |
| Line #2019 (Greenwich to Thalia) EOL Partial Rebuild | 230 | Dec-25 | VA | 14.3 | N |
| Line #293 (Staunton to Valley) & Partial Line #83 EOL | 230 | Dec-25 | VA | 44.8 | N |
| Line #202 - Clark to Idylwood Uprate | 230 | Dec-25 | VA | 8.0 | N |
| Line #2104 (Cranes Corner to Stafford) partial uprate | 230 | Dec-25 | VA | 28.3 | N |
| Line #172 & # 197 Conversion - Liberty to Cannon Branch | 230 | Dec-25 | VA | 28.0 | M |
| 500kV / 230kV Line Extension - Southern (Wishing Star to Mars) | 230/500 | Dec-25 | VA | 842.3 | M |
| Verona Transformer#2 New Circuit Switcher | 115 | Dec-25 | VA | 0.5 | N |
| Princess Anne Sub upgrade TX1 | 115 | Dec-25 | VA | 0.5 | N |
| Line #53 (Chesterfield - Kevlar) Install Reymet Tap | 115 | Dec-25 | VA | 3.0 | N |
| Line #183 Rebuild to Resolve EOL and 2021 OW Violations | 115 | Dec-25 | VA | 38.0 | N |
| Line #53 and Line #72 (Chesterfield to Brown Boveri Tap) EOL Partial Rebuild | 115 | Dec-25 | VA | 9.8 | N |
| Pleasant View 230kV Delivery - Add 4th TX - DEV | 230 | Dec-25 | VA | 1.0 | N |
| 230kV Line Extension to Relieve Waxpool Loop (Nimbus to Farmwell) | 230 | Dec-25 | VA | 5.7 | M |
| Line #2007 (Lynnhaven to Thalia) EOL Rebuild | 230 | Dec-25 | VA | 28.7 | N |
| Brambleton Overdutied Breaker Replacement (SC102,H302, H402, 218302) | 230 | Dec-25 | VA | 1.7 | Y |
| Line #2011 Uprate - Cannon Branch to Clifton (Rebuild) | 230 | Dec-25 | VA | 31.7 | Y |
| Harrisonburg TX#6 EOL | 115 | Jan-26 | VA | 5.2 | N |
| Line #2209 Uprate Evergreen Mills to Yardley | 230 | Jan-26 | VA | 5.0 | Y |
| Decoy Airfield - 230kV Delivery - DEV | 230 | Feb-26 | VA | 12.0 | Y |
| Broderick Drive 230kV Delivery - DEV | 230 | Feb-26 | VA | 24.5 | Y |
| Twin Creeks Sub 230kV Delivery - DEV | 230 | Mar-26 | VA | 20.0 | Y |
| Bring 2-230 kV Sources into White Oak SUB and Resolve 300 MW Load Loss Violation - Engineering Assessment | 230 | Apr-26 | VA | 42.2 | Y |
| Hornbaker 230kV Delivery - NOVEC (Avanti) (Liberty-Hornbaker-Pioneer) | 230 | Apr-26 | VA | 45.0 | Y |
| Northwoods 230kV Delivery - NOVEC | 230 | Apr-26 | VA | 15.8 | Y |

**Supplemental Appendix 2C-2: List of Planned Transmission Projects during the Planning Period**

| Project Description | Line Voltage (kV) | Target Date | Location | PJM RTEP Cost Estimates ($M) | Data Center Y/N/M |
|---|---|---|---|---|---|
| Germanna 230kV Delivery - DEV | 230 | Apr-26 | VA | 24.8 | Y |
| Foxbrook Lane 230kV Delivery - REC (AWS Central Louisa - 1st DP) | 230 | May-26 | VA | 55.0 | Y |
| Line #574 - Ladysmith to Elmont Rebuild - EOL | 500 | May-26 | VA | 91.3 | N |
| Alexanders Corner Tx 1 Replace Ground Switch with Circuit Switcher | 115 | May-26 | VA | 0.3 | N |
| Deep Creek Tx 1 Replace Ground Switch with Circuit Switcher | 115 | May-26 | VA | 0.3 | N |
| Deep Creek Tx 2 Replace Ground Switch with Circuit Switcher | 115 | May-26 | VA | 0.3 | N |
| Brown Boveri Tx 1 Replace Ground Switch with Circuit Switcher | 115 | May-26 | VA | 0.3 | N |
| Quantico Tx 1 Replace Ground Switch with Circuit Switcher | 115 | May-26 | VA | 0.3 | N |
| Quantico Tx 2 Replace Ground Switch with Circuit Switcher | 115 | May-26 | VA | 0.3 | N |
| Partial Line #26 (Buena Vista to Balcony Falls ) Rebuild | 115 | Jun-26 | VA | 22.2 | N |
| Relieve Line #219-2066 Load Drop - Loop Trabue 230kV to Midlothian | 230 | Jun-26 | VA | 8.5 | N |
| Line #502 Terminal Upgrade-Loudoun to Mosby | 500 | Jun-26 | VA | 6.3 | M |
| Daves Store 230kV Delivery - DEV | 230 | Jun-26 | VA | 36.5 | Y |
| Tunis Tx 1 Replace Ground Switch with Circuit Switcher | 115 | Jun-26 | NC | 0.3 | N |
| Lines #211 and #228 (Chesterfield to Hopewell) partial rebuild | 230 | Jun-26 | VA | 12.3 | N |
| Line #126 (Earleys to Kelford) Partial Rebuild | 115 | Jun-26 | NC | 18.8 | N |
| Cloud 115kV Cap Bank | 115 | Jun-26 | VA | 1.5 | Y |
| Line #23 Bell Ave to Suffolk Partial Rebuild | 115 | Jun-26 | VA | 39.5 | N |
| Line #1024 (Chestnut - S Justice Branch) EOL Rebuild | 115 | Jun-26 | NC | 5.1 | N |
| Spartan - New 230kV Substation | 230 | Jun-26 | VA | 21.3 | Y |
| Sycolin Creek 230kV Delivery - DEV | 230 | Jun-26 | VA | 28.0 | Y |
| Line #2226 (Clover to Easters) Partial Rebuild (DNH) | 230 | Jun-26 | VA | 34.0 | Y |
| Line #205 (Locks to Tyler) Partial Rebuild | 230 | Jun-26 | VA | 27.0 | N |
| Jeffress Substation 230 kV Delivery (MEC) - Lakeside DP | 230 | Jul-26 | VA | 92.6 | Y |
| Line #2172 Uprate - Brambleton to Evergreen | 230 | Jul-26 | VA | 2.3 | M |
| Line #2213 Uprate - Yardley to Cabin Run | 230 | Jul-26 | VA | 1.8 | M |
| Line #2210 Uprate - Brambleton to Evergreen Mills | 230 | Jul-26 | VA | 2.3 | M |
| Daves Store 230 kV Line Extension (New) (Cut and Extend Line #2161 Gainesville - Wheeler) | 230 | Aug-26 | VA | 45.9 | Y |
| Gemini 230 kV Delivery - DEV | 230 | Aug-26 | VA | 15.3 | Y |
| Bear Run Sub - Cub Run 230kV Expansion - NOVEC | 230 | Sep-26 | VA | 24.5 | Y |
| Install Cap Bank at Lexington Substation | 500 | Nov-26 | VA | 5.9 | M |
| Mint Springs (Jacksonville) 230kV Delivery - NOVEC | 230 | Nov-26 | VA | 16.0 | Y |
| Possum Point 2nd 500-230kV TX (Ox Overloads) (PP 500kV - PP230kV) | 230/500 | Nov-26 | VA | 23.1 | M |
| Wishing Star DP -NOVEC | 230 | Dec-26 | VA | 10.0 | Y |
| Line #2080 Uprate - Liberty to Railroad DP | 230 | Dec-26 | VA | 1.5 | Y |
| Line #2163 Uprate - Vint Hill to Liberty | 230 | Dec-26 | VA | 13.0 | Y |
| Line #2187 and #2228 Uprate - Pioneer DP to Liberty | 230 | Dec-26 | VA | 11.4 | Y |
| Occoquan 500-230kV TX (OX violation); Line 2013 Upgrade and Cut in of Line #571 and #237 | 230/500 | Dec-26 | VA | 84.5 | Y |
| Line #29 Fredericksburg to Aquia Harbor Rebuild | 230 | Dec-26 | VA | 59.5 | N |
| Idylwood - Convert Straight Bus to Breaker and a Half | 230 | Dec-26 | VA | 159.3 | N |
| Line #108 (Boykins-Tunis) EOL Rebuild | 115 | Dec-26 | NC | 72.7 | N |
| Line #584 Terminal Upgrade-Loudoun to Mosby | 500 | Dec-26 | VA | 6.4 | M |
| Line #2056 (Hornertown-Hathaway) EOL Rebuild | 230 | Dec-26 | NC | 49.1 | N |
| City of Franklin P&L DP#4 (Pretlow) - New 115kV Delivery Point | 115 | Dec-26 | VA | 2.5 | N |
| Remington CT 230 kV Terminal Upgrades (Line #2114) | 230 | Dec-26 | VA | 2.6 | Y |
| Gainesville 230 kV Terminal Upgrades (Line #2222) | 230 | Dec-26 | VA | 9.2 | Y |
| Otterdam Sub - 230kV Delivery (MEC) - Otterdam DP | 230 | Dec-26 | VA | 25.0 | N |
| Bermuda Hundred 230kV Delivery - DEV | 230 | Dec-26 | VA | 15.0 | Y |
| Line #260 (Harrisonburg to Grottoes) EOL Rebuild | 230 | Dec-26 | VA | 28.0 | N |
| Line # 2090 (Ladysmith CT to Summit) Rebuild | 230 | Jan-27 | VA | 32.0 | M |
| Line #1001 (Battleboro to Chestnut) EOL Rebuild | 115 | Jan-27 | NC | 14.0 | N |
| Lunar 230kV Delivery - DEV | 230 | Mar-27 | VA | 28.0 | Y |
| Youngs Branch - Add 3rd, 4th, 5th TX - DEV (Position #1,3,5) | 230 | Apr-27 | VA | 1.2 | Y |
| Mars 2nd 500 -230 kV TX | 230/500 | May-27 | VA | 42.2 | M |
| Bristers - 500-230 kV TX Expansion | 230/500 | May-27 | VA | 65.0 | Y |

**Supplemental Appendix 2C-2: List of Planned Transmission Projects during the Planning Period**

| Project Description | Line Voltage (kV) | Target Date | Location | PJM RTEP Cost Estimates ($M) | Data Center Y/N/M |
|---|---|---|---|---|---|
| Evergreen Mills 230kV Delivery Part B | 230 | Jun-27 | VA | 7.7 | M |
| Pluto 230 kV Delivery - DEV | 230 | Jun-27 | VA | 64.5 | Y |
| Terminate Line 583 Doubs - Bismark into Woodside 500kV DOM | 500 | Jun-27 | VA | 5.1 | M |
| Lines #2150 & #2081 Uprates-Golden to Paragon Park | 230 | Jun-27 | VA | 3.0 | M |
| Line #2207 Uprate- Paragon Park to Beco | 230 | Jun-27 | VA | 5.3 | M |
| Line #256 (Ladysmith - St John) Partial Rebuild | 230 | Jun-27 | VA | 31.7 | M |
| Loudoun Capacitor Banks | 230/500 | Jun-27 | VA | 90.1 | M |
| Line #14 (Fudge Hollow to the demarcation point of AEP) EOL | 115 | Jun-27 | VA | 30.0 | N |
| Line #9290 (Ox to Braddock) and Partial Line#2097 Uprate | 230 | Jun-27 | VA | 43.5 | Y |
| Line #272 (Dooms to Grottoes) EOL Rebuild | 230 | Jul-27 | VA | 34.0 | N |
| Line #2008 Uprate - Loudoun to Takeoff | 230 | Aug-27 | VA | 4.6 | Y |
| Line #265 Uprate - Sully to Takeoff | 230 | Aug-27 | VA | 4.6 | Y |
| Takeoff 230kV Delivery - DEV Transformers | 230 | Aug-27 | VA | 4.0 | Y |
| Takeoff Substation 230kV Interconnection for Poland Loop | 230 | Aug-27 | VA | 45.9 | Y |
| 230kV Line Extension to Relieve Poland Loop (Aviator to Takeoff) | 230 | Aug-27 | VA | 29.5 | Y |
| Spring Hill 230kV Delivery - DEV | 230 | Aug-27 | VA | 35.0 | N |
| Edsall 230 kV Delivery - DEV | 230 | Oct-27 | VA | 23.2 | Y |
| Mountain Run new 230kV substation (Named Cirrus) and partial conversion of lines #2 and #70 to 230kV; Convert lines #2 and #70 to 230kV and connect to Line #2199 | 230 | Nov-27 | VA | 60.0 | Y |
| Line # 2054 (Charlottesville to Hollymead) Rebuild | 230 | Dec-27 | VA | 71.1 | M |
| Locks Substation 230/115 kV Transformer Upgrade | 115/230 | Dec-27 | VA | 7.1 | N |
| Line # 2135 (HollyMeade to Gordonsville) Rebuild | 230 | Dec-27 | VA | 36.8 | M |
| Line #58 (Skiffes to Yorktown) EOL Partial Rebuild | 115 | Dec-27 | VA | 6.0 | N |
| Line #209 and #58 (Skiffes to Yorktown) EOL Partial Rebuild | 115/230 | Dec-27 | VA | 13.5 | N |
| Terminate New Nextera 500kV Line from Woodside into Goose Creek Sub DOM | 500 | Dec-27 | VA | 30.5 | M |
| Line #2101 Uprate - Bristers to Bristers Junction | 230 | Dec-27 | VA | 23.0 | Y |
| Sloan Drive - 230kV Delivery - DEV | 230 | Dec-27 | VA | 30.0 | Y |
| 5-2 North Line Extension - Aspen to Golden | 230/500 | Dec-27 | VA | 623.0 | M |
| Line #204 and #220 Partial Rebuild EOL | 230 | Dec-27 | VA | 5.4 | N |
| Nokesville to Hornbaker 230 kV Line (new) | 230 | Dec-27 | VA | 139.0 | Y |
| 500 kV line extension - Aspen to Doubs | 230/500 | Dec-27 | VA | 74.0 | M |
| Apollo 230kV Delivery - DEV | 230 | Mar-28 | VA | 28.0 | Y |
| Partial Line #83 EOL Rebuild | 115 | Mar-28 | VA | 23.0 | N |
| Atlas 230 kV Delivery - DEV | 230 | Apr-28 | VA | 15.4 | Y |
| Line #557 (Chickahominy to Elmont) EOL Rebuild | 500 | Jun-28 | VA | 58.2 | N |
| 5-2 Connecter - Mars to Golden | 230/500 | Jun-28 | VA | 342.9 | M |
| Starlight 230kV Delivery - DEV | 230 | Jun-28 | VA | 28.0 | Y |
| Lucky Hill Substation - paused | 230 | Jun-28 | VA | 7.5 | Y |
| Barrister Sub 230kV Delivery - DEV (CPR changed to Engineering) | 230 | Jun-28 | VA | 24.0 | Y |
| Lines #2150 & #2081 Uprates-Golden to Sterling Park | 230 | Sep-28 | VA | 8.0 | M |
| Lines #2194 & #9231 Uprates-Davis Drive to Sterling Park | 230 | Sep-28 | VA | 5.5 | M |
| Nimbus 230kV Delivery - Add 3rd and 4th TX | 230 | Oct-28 | VA | 1.1 | Y |
| Lines #233 and 291 (Dooms to Charlottesville) Rebuild | 230 | Dec-28 | VA | 112.4 | N |
| Weyers Cave Substation - New 2nd Transformer | 115 | Dec-28 | VA | 0.9 | N |
| Line #246 Earleys to Suffolk EOL Rebuild | 230 | Dec-28 | VA-NC | 150.0 | N |
| Convert Line #29 Fredericksburg to Possum Point to 230 kV | 230 | Jan-29 | VA | 56.7 | N |
| Line #29 and #252 (Possum Point to Aquia Harbor) Rebuild | 230 | Jan-29 | VA | 38.0 | N |
| Line #10 ( Goshen to Craigsville ) EOL Partial Rebuild | 115 | Mar-29 | VA | 29.6 | N |
| Fentress Sub - Add 2nd TX | 230 | May-29 | VA | 0.4 | N |
| Vint Hill 500-230 kV Expansion | 230/500 | Jun-29 | VA | 115.0 | Y |
| 500/230kV Morrisville-Wishing Star Upgrades | 230/500 | Jun-30 | VA | 852.9 | M |
| New Nextera 500 kV Line from Woodside to Goose Creek Sub (DOM Scope) | 500 | Sep-30 | VA | 15.6 | M |
| Replace Overdutied Breakers _ 2022 Reliability Open Window #3 | 230/500 | Oct-31 | VA | 66.3 | M |

**CERTIFICATE OF SERVICE**

I hereby certify that on this 15th day of November 2024, a true and accurate copy of the foregoing filed in Case No. PUR-2024-00184 was hand delivered, electronically mailed, and/or mailed first class postage pre-paid to the following:

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