part a

I. Introduction

The Virginia Clean Economy Act (the "VCEA") requires the development of significant renewable energy generation and energy storage resources by Virginia Electric and Power Company ("Dominion Energy Virginia" or the "Company") and Appalachian Power Company ("APCo"). The development of new renewable energy generation is needed to comply with the mandatory renewable energy portfolio standard program (the "RPS Program") also established through the VCEA, while the development of energy storage resources is needed to ensure system reliability and enhance system performance. The VCEA requires the submission of an annual plan to the State Corporation Commission ("Commission") outlining each utility's plans for development.

Dominion Energy Virginia now submits its annual development plan for new solar, onshore wind, and energy storage resources in connection with the RPS Program (the "RPS Development Plan" or "Development Plan"). This Development Plan reports on the Company's progress toward meeting the renewable energy generation and energy storage development targets established by the VCEA, and sets forth the Company's plan to meet these targets. This Development Plan also provides information on the RPS Program, as the RPS Program is the primary driver of the need for significant new renewable energy generation. The Company intends to submit its RPS Development Plan annually in the same format of this 2022 RPS Development Plan—reporting on its progress towards, and plans for, solar, onshore wind, and energy storage project development.

With this RPS Development Plan, the Company also submits its petition for approval:

(i) to construct and operate 8 utility-scale projects totaling approximately 474 megawatts ("MW") of solar and 15.7 MW of energy storage (the "CE-3 Projects");

(ii) to recover through the Rider CE rate adjustment clause the costs of (a) the CE-3 Projects and related interconnection facilities and (b) two distributed solar projects, representing four distributed solar facilities, totaling approximately 6 MW and related interconnection facilities (the "CE-3 Distributed Solar Projects");

(iii) to update Rider CE for the recovery of costs associated with the CE-1 Solar Projects, the CE-2 Projects, the CE-2 Distributed Solar Projects and related interconnection facilities as approved by the Commission in Case Nos. PUR-2020-00134 and PUR-2021-00146; and

(iv) to enter into 13 power purchase agreements ("PPAs") for solar and energy storage resources totaling approximately 270 MW of solar and 49 MW of energy storage (the "CE-3 PPAs").

II. Background

The VCEA—Senate Bill No. 851 and House Bill No. 1526 from the 2020 Regular Session of the Virginia General Assembly—became law in the Commonwealth effective July 1, 2020. Relevant to this proceeding, the VCEA (i) requires the development of renewable energy generation resources; (ii) requires the development of energy storage resources; (iii) requires the

submission of an annual plan to meet the development targets; and (iv) institutes a mandatory RPS Program.

Under Va. Code § 56-585.5 D 2, the Company must petition the Commission for the necessary approvals to construct or purchase 16,100 MW of solar or onshore wind generation located in the Commonwealth by 2035. The 16,100 MW must include 1,100 MW of distributed solar (*i.e.*, projects less than 3 MW) and 200 MW of solar placed on previously developed project sites. The Company must petition for approval of at least 3,000 MW of the 16,100 MW by 2024, with 35% of that capacity purchased from third party-owned facilities through PPAs. These targets are offset by the capacity of solar or onshore wind generation resources under contract with accelerated renewable energy buyers ("ARBs"), as outlined in Va. Code § 56-585.5 G.

Under Va. Code § 56-585.5 E, the Company must petition the Commission for the necessary approvals to construct or acquire 2,700 MW of energy storage capacity by 2035, with the goal of installing at least 10% behind the meter. The Commission adopted its Regulations Governing the Deployment of Energy Storage effective January 1, 2021, 20 VAC 5-335-10 *et seq.* (the "Storage Rules"), that, among other things, set interim targets for the development of energy storage. The Company must petition for approval of 250 MW of the 2,700 MW by 2025, with at least 35% of energy storage facilities placed into service purchased from a third party or owned by a third party with capacity sold to the Company through PPAs.

Under Va. Code § 56-585.5 D 4, the Company must submit an annual plan outlining how it plans to meet the renewable energy generation and energy storage development targets established by the VCEA. This annual filing must contain any request for approval to construct or purchase solar and onshore wind generation under Va. Code § 56-580 D, as well as any associated requests related to cost recovery of such facilities under Va. Code § 56-585.1 A 6. The Commission must determine whether such annual filings are reasonable and prudent, giving due consideration to certain factors:

> (i) the RPS and carbon dioxide reduction requirements in this section, (ii) the promotion of new renewable generation and energy storage resources within the Commonwealth, and associated economic development, and (iii) fuel savings projected to be achieved by the plan.

Finally, Va. Code § 56-585.5 C establishes the RPS Program under which the Company must meet annual requirements for the sale of renewable energy based on a percentage of non-nuclear electric energy sold to retail customers in the Company's service territory. Va. Code § 56-585.5 C sets forth the annual RPS Program requirements, as well as the standards for meeting these requirements. Starting with compliance year 2021, the Company must retire renewable energy certificates ("RECs") equal to a certain percentage of its "total electric energy" sold in the prior calendar year. As defined for the RPS Program, "total electric energy" means the total non-nuclear electric energy sold to retail customers in the Company's service territory in the previous calendar year, excluding energy sold to (i) certified ARBs as defined in Va. Code § 56-585.5 A, § 56-585.5 G, and the Commission's Regulations Governing Accelerated

Renewable Energy Buyers, 20 VAC 5-319-10 *et seq.*; and (ii) customers with a peak demand greater than 100 MW that elected to purchase electricity from a competitive service provider prior to April 1, 2019.

Of the required percentage in each compliance year, 1% of the RECs must be from certain distributed energy resources ("DERs") located in the Commonwealth with a nameplate capacity of 1 MW or less (the "1% Carve Out"). If available, no less than 25% of that 1% shall come from RECs produced by "low-income qualifying projects" as defined in Va. Code § 56-585.5 A. In years 2021 to 2024, the RECs for RPS Program compliance must originate from renewable energy facilities located within the PJM Interconnection, LLC ("PJM") region that meet the definition of "renewable energy" in Va. Code § 56-576, with certain exceptions. Beginning in 2025, the RECs for RPS Program compliance must meet the qualifications for "RPS eligible sources" set forth in Va. Code § 56-585.5 C. In addition, beginning in 2025, 75% of the RECs used by the Company for RPS Program compliance shall come from resources located in the Commonwealth, as set forth in Va. Code § 56-585.5 C.

The RPS Program establishes a deficiency payment if the Company does not meet its annual requirement—$75 per megawatt-hour in 2021 related to the 1% Carve Out and $45 per megawatt-hour in 2021 for the remainder, with these values increasing by one percent annually after 2021. Conversely, the RPS Program allows RECs achieved or acquired in excess of the Company's annual requirement to be "banked" for up to five calendar years after the REC was created.

Dominion Energy Virginia submitted its 2020 RPS Development Plan in Case No. PUR-2020-00134 on October 30, 2020. The Commission approved the 2020 RPS Development Plan as reasonable and prudent on April 30, 2021 (the "2020 Final Order"). The Company submitted its 2021 RPS Development Plan on September 15, 2021. The Commission approved the 2021 RPS Development Plan as reasonable and prudent on March 15, 2022 (the "2021 Final Order"). In the 2020 and 2021 Final Orders, the Commission also set forth additional requirements for future Development Plans. Attachment 1 to this 2022 RPS Development Plan provides an index that identifies where the Company has addressed all requirements for Development Plans as set forth by the Commission in its prior orders. Attachment 2 provides a detailed chart showing how the Company has complied with the provisions of Va. Code § 56-585.5 to date.

III. Development of Solar and Onshore Wind Generation

Figure 1 reflects the Company's progress toward meeting the solar and onshore wind development targets outlined in the VCEA to date. This figure includes facilities that are in operation, under construction, or proposed for approval, including the relevant CE-3 Projects, CE-3 Distributed Solar Projects, and CE-3 PPAs. In Figure 1 and throughout the RPS Development Plan, the Company treats the term "capacity" in Va. Code § 56-585.5 as nameplate capacity.

Figure 1: Solar and Onshore Wind Construction and Purchases as of August 31, 2022

	Nameplate Capacity
Company-Owned System	1,623.0 MW
Company-Owned Ring-Fenced[1]	20.0 MW
PPAs	973.0 MW
Total	**2,616.0 MW**

[1] Represents ring-fenced resources that are not under contract with a potentially-eligible accelerated renewable energy buyer under Va. Code § 56-585.5 G.

Of the totals in Figure 1, 55.6 MW qualify as distributed solar under the VCEA (*i.e.*, 3 MW or less), 9.6 MW of Company-owned distributed solar and 46.0 MW of distributed solar PPAs. Attachment 3 provides the information required by the Commission on ring-fenced facilities. Attachment 4 provides the information required by the Commission on the performance of the Company's solar fleet. Since July 2020, inclusive of this case, the Company has petitioned for the necessary approvals to construct or purchase approximately 2,258 MW of solar or onshore wind, 61% Company-owned and 39% PPAs. Of this total, approximately 59 MW qualify as distributed solar under the VCEA, 16% Company-owned and 84% PPAs.

Figure 2 reflects the Company's near-term development plan for both utility-scale and distributed solar and onshore wind generation facilities, from 2021 through 2024. This near-term plan presents reasonable estimates of generation capacity targets, which reflect the best available information at this time. Actual development activities will depend upon a number of factors, such as obtaining the necessary approvals and permits for future Company-owned facilities and reaching agreed-upon terms with third parties for future PPAs. The Company will continue to refine its plan, and will update Figure 2 in future annual Development Plan filings.

Figure 2: Solar and Onshore Wind Development Plan through 2024[1] (in MW)

	Prior Years	2021	2022	2023	2024	Total
Utility-Scale	**386.4**	**378.0**	**246.4**	**908.5**	**746.5**	**2,665.8**
Company-Owned System	296.4	100.0	62.0	431.0	375.0	1,264.4
Company-Owned Ring-Fenced[2]	70.0	178.0	99.4	127.0	0	474.4
PPA	20.0	100.0	85.0	350.5	371.5	927.0
Distributed Solar	**6.4**	**0**	**6.6**	**42.0**	**4.0**	**59.0**
Company-Owned System	6.4	0	3.6	6.0	0.0	16.0
PPA	0	0	3.0	36.0	4.0	43.0
Total	**392.8**	**378.0**	**253.0**	**950.5**	**750.5**	**2,724.8**
Company-Owned System	302.8	100.0	65.6	437.0	375.0	1,280.4
Company-Owned Ring-Fenced[2]	70.0	178.0	99.4	127.0	0	474.4
PPA	20.0	100.0	88.0	386.5	375.5	970.0

[1] The values shown by year reflect the generation facilities that achieved or that are expected to achieve commercial operation in that year. Values in the "Prior Years" and 2021 column reflect actual facilities placed in operation; values in 2022, 2023, and 2024 reflect projected commercial operation dates.

[2] Represents ring-fenced resources that are not under contract with an accelerated renewable energy buyer under Va. Code § 56-585.5 G.

Based on information known as of June 30, 2022, certified ARBs have approximately 1,301 MW of solar or onshore wind generation resources under contract. As outlined in Va. Code § 56-585.5 G, this capacity will offset the 16,100 MW target for the development of solar and onshore wind, resulting in a revised development target of approximately 14,799 MW. The Company will update these offsets annually based on information provided by ARBs during the annual ARB certification processes. Attachment 5 provides the information required by the Commission related to ARBs.

Figure 3 reflects the Company's long-term development plan for utility-scale solar and onshore wind generation facilities through 2035. Figure 4 reflects the Company's long-term development plan for distributed solar generation facilities through 2035. As with the Company's near-term plan, this plan presents reasonable estimates of generation capacity targets, which reflect the best available information at this time. The Company will continue to refine its plan, and will update Figures 3 and 4 in future annual Development Plan filings.

Figure 3: Utility-Scale Solar and Onshore Wind Development Plan through 2035[1] (in MW)

	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total	%
Total	**2,665.8**	**698.8**	**1,180.0**	**1,211.0**	**1,005.0**	**983.0**	**990.0**	**990.0**	**990.0**	**990.0**	**990.0**	**1,005.0**	**13,698.6**	**100%**
Company-Owned[2]	1,738.8	349.0	815.0	836.0	655.0	655.0	655.0	655.0	655.0	655.0	650.0	650.0	8,968.8	65%
PPA	927.0	349.8	365.0	375.0	350.0	328.0	335.0	335.0	335.0	335.0	340.0	355.0	4,729.8	35%

[1] The values shown by year reflect the generation facilities expected to achieve commercial operation in that year.
[2] Company-owned includes both system resources and ring-fenced resources that are not under contract with an accelerated renewable energy buyer under Va. Code § 56-585.5 G.

Figure 4: Distributed Solar Development Plan through 2035[1] (in MW)

	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total	%
Total	**59.0**	**102.0**	**110.0**	**110.0**	**110.0**	**103.0**	**100.0**	**75.0**	**70.0**	**65.0**	**65.0**	**65.0**	**1,100.0**	**100%**
Company-Owned	16.0	51.0	60.0	60.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	715.0	65%
PPA	43.0	30.0	33.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	385.0	35%

[1] The values shown by year reflect the generation facilities expected to achieve commercial operation in that year.

In furtherance of these plans, the Company will issue annual requests for proposals ("RFPs") for development proposals and third-party PPAs for new solar and onshore wind projects, as required by the Va. Code § 56-585.5 D 3. Affiliates are eligible to submit bids to the RFPs, with any resulting PPA arrangement being subject to Commission approval under the Affiliates Act, Va. Code § 56-76 *et seq.* However, no Company affiliates have submitted responses to the Company's solar, onshore wind, and energy storage RFPs to date.

The Company issued an RFP for new utility-scale solar, onshore wind, and energy storage resources on April 29, 2021 (the "2021 Solar-Wind-Storage RFP"). Bids were due August 2, 2021, for development proposals and were due March 1, 2022, for PPA proposals. The 2021 Solar-Wind-Storage RFP included a request for solar facilities placed on previously developed project sites, consistent with the VCEA. Many of the CE-3 Projects and CE-3 PPAs were chosen from the 2021 Solar-Wind-Storage RFP. A report on the results of the 2021 Solar-

Wind-Storage RFP is attached to the petition as Filing Schedule 46A, including an evaluation of non-price criteria using both a 1-2-3 and a 1-3-9 scoring system.

The Company also issued an RFP for distributed solar resources on April 29, 2021 (the "2021 Distributed Solar RFP"). The 2021 Distributed Solar RFP included a request for solar facilities placed on previously developed project sites, consistent with the VCEA. Bids were due August 2, 2021 for development proposals and were due March 1, 2022 for PPA proposals. The CE-3 Distributed Solar Projects and many of the CE-3 PPAs were chosen from the 2021 Distributed Solar RFP. A report on the results of the 2021 Distributed Solar RFP is attached to the petition as Filing Schedule 46A, including an evaluation of non-price criteria using both a 1-2-3 and a 1-3-9 scoring system.

In 2022, the Company undertook revisions to its RFP process to better align requirements and timelines for review. Specifically, rather than splitting RFPs by the size of resources (*i.e.*, one RFP for utility-scale resources and one RFP for distributed solar), the Company split its RFPs by the ownership arrangement, issuing one RFP for development proposals and one RFP for PPA proposals. Both RFPs solicit both utility-scale and distributed solar resources under the relevant ownership arrangement. The Company also decided to accept development proposals on a continuous basis throughout the year rather than setting a specific annual deadline. Regardless of when a development proposal is submitted, the Company will evaluate each proposal consistently using the same standards. These refinements to the RFP process are intended to provide greater flexibility and transparency for the development community and maximize the Company's ability to procure the best clean energy resources for its customers.

On April 29, 2022, the Company issued its RFP for development proposals for new solar, onshore wind, and energy storage resources, including utility-scale and distributed solar resources (the "2022 Development Bid RFP"). Bidders may submit proposals that meet the stated scope and requirements of the RFP on a continuous basis throughout the year. On September 1, 2022, the Company issued its RFP for PPA proposals for new solar, onshore wind, and energy storage resources, including utility-scale and distributed solar resources (the "2022 PPA Bid RFP"). Bids are due on February 1, 2023. The Company will evaluate all bids received from these RFPs, and will present additional projects for approval in future filings as appropriate.

In developing the 2021 and 2022 RFPs, the Company reviewed the requirements identified in Va. Code § 56-585.5 D 3 to ensure all of the requirements were incorporated in the solicitation. The Company also considered input from Staff and other interested parties and has continued to refine and update the RFP process over time to ensure the inclusion of the most economical and least environmentally invasive projects. For example, as discussed above, beginning in 2022, the Company decided to permit submission of development proposals on a continuous basis throughout the year to provide greater flexibility for the development community. As another example, the Company is evaluating non-price criteria using a 1-2-3 scoring system in addition to a 1-3-9 scoring system based on feedback from Commission Staff. While the Company intends to select projects from these RFPs, the Company may also self-develop solar, onshore wind, and energy storage projects.

IV. Development of Energy Storage

Until recently, energy storage resources have not been broadly deployed at utility scale, other than pumped hydroelectric storage. Energy storage thus remains a developing industry in the Commonwealth.

In February 2020, the Commission approved the Company's application to deploy three battery energy storage systems ("BESS") totaling approximately 16 MW as part of the pilot program established by the Grid Transformation and Security Act of 2018 (the "GTSA"). BESS-1 and BESS-3 went into service earlier this year; the Company continues to work with its contractors on BESS-2 and currently anticipates placing it into operation in the third or fourth quarter of 2022. The Company continues to evaluate opportunities to test additional storage applications and technologies with the remaining 14 MW of the GTSA pilot program. For example, the Company is evaluating a potential project to study storage paired with direct current fast charging infrastructure for electric vehicles and another potential project aimed at understanding the ability of storage to provide backup power and resiliency for customers. The Company is also evaluating the use of non-lithium-ion and long duration storage technologies that could provide capacity and reliability benefits to the power grid. These pilot projects enabled by the GTSA have provided and will continue to provide valuable information for use in the larger deployment of energy storage envisioned by the VCEA.

Figure 5 reflects the Company's progress toward meeting the energy storage development targets outlined in the VCEA to date. This figure includes facilities that are in operation, under construction, or proposed for approval, including the relevant CE-3 Projects and CE-3 PPAs.

Figure 5: Energy Storage Construction and Purchases

	Nameplate Capacity
Company-Owned[1]	85.7 MW
PPAs	82.0 MW
Total	**167.7 MW**

[1] Does not include 16 MW under construction through the pilot program.

The Commission's Storage Rules define "behind the meter" as "any system that is on the customer side of the utility service meter." Based on this definition, 0% of the totals in Figure 5 would qualify as behind the meter. Since July 2020, inclusive of this case, the Company has petitioned for the necessary approvals to construct or purchase approximately 168 MW of energy storage resources, 51% Company-owned and 49% PPAs. Of the Company-owned resources, approximately 36 MW were purchased from a party other than the Company.

The Company also supports the development of the energy storage industry generally through participation in various stakeholder processes. For example, the Company actively participated in the Virginia Energy Storage Task Force established by House Bill 1183 from the 2020 Regular Session of the Virginia General Assembly. The goal of the task force was to evaluate and analyze the regulatory, market, and local barriers to the deployment of distribution-

and transmission-connected bulk energy resources to help integrate renewable energy into the electrical grid, reduce costs for the electricity system, allow customers to deploy storage technologies to reduce their energy costs, and allow customers to participate in electricity markets for energy, capacity and ancillary services. The task force submitted its report summarizing its evaluation, analysis, and corresponding recommendations to the General Assembly on October 1, 2021.[1] As another example, the Company is working with the Electric Power Research Institute ("EPRI") on the development of the Energy Storage Deployment: Utility Playbook. The Company and EPRI will partner to create a comprehensive guide for energy storage deployment of substation-sited battery energy storage systems. This guide endeavors to capture best practices and considerations to support EPRI membership as they deploy storage projects within their own territories.

With this background, the Company provides an initial development plan for energy storage in Figure 6 (near-term) and Figure 7 (long-term). These initial plans present reasonable estimates of energy storage resource targets, which reflect the best available information at this time. Actual development activities will depend upon a number of factors, such as obtaining the necessary approvals and permits for future Company-owned facilities and reaching agreed-upon terms with third parties for future PPAs. The Company will continue to refine its plan, and will update Figures 6 and 7 in future annual Development Plan filings.

Figure 6: Energy Storage Development Plan through 2025[1] (in MW)

	2021	2022	2023	2024	2025	Total
Total	**0**	**20.0**	**20.0**	**192.7**	**108.0**	**167.7**
Company-Owned[2]	0	20.0	0	50.0	15.7	85.7
PPA	0	0	20.0	62.0	0	82.0

[1] The values shown by year reflect the energy storage facilities expected to achieve commercial operation in that year.
[2] Does not include 16 MW under construction through the pilot program.

Figure 7: Energy Storage Development Plan through 2035[1] (in MW)

	Prior Years	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total	%
Total	**167.7**	**195.3**	**166.0**	**198.0**	**225.0**	**249.0**	**283.0**	**291.0**	**316.0**	**314.0**	**295.0**	**2,700.0**	**100%**
Company-Owned[2]	85.7	151.3	107.0	127.0	147.0	167.0	187.0	187.0	207.0	207.0	187.0	1,760.0	65%
PPA	82.0	44.0	59.0	71.0	78.0	82.0	96.0	104.0	109.0	107.0	108.0	940.0	35%

[1] The values shown by year reflect the energy storage facilities expected to achieve commercial operation in that year.
[2] Does not include 16 MW under construction through the pilot program.

The Company expects that this development of energy storage will span its generation, transmission, and distribution functions.

From the generation perspective, to support the development of energy storage resources, the 2021 Solar-Wind-Storage RFP included a request for up to 100 MW of stand-alone storage projects or storage projects paired with new renewable energy projects. The Company received

[1] This report is available at https://rga.lis.virginia.gov/Published/2021/HD13.

a robust response from this solicitation and has brought forward the best mix of conforming projects received with the CE-3 Projects and the CE-3 PPAs. In addition, the 2022 Solar-Wind Storage RFP included a request for up to 100 MW of stand-alone storage projects or storage projects paired with new renewable energy projects. The Company anticipates that this and future solicitations will continue to spur significant interest in storage development in the Commonwealth, and looks forward to evaluating future proposals.

As to transmission, the Company is evaluating energy storage technologies for use on the electric transmission grid to support grid operations and reliability. The electric transmission planning group is investigating energy storage in its computer models and simulations of future grid conditions to find possible transmission use cases and applications of storage to support future grid issues. In addition, the Company continues to stay actively engaged with the industry and stakeholders to stay apprised of technology advancements, operational experiences around the world with energy storage pilot projects, and use cases for energy storage on the transmission system.

Finally, from the distribution perspective, the Company is evaluating and developing opportunities to deploy energy storage as behind-the-meter incentives, non-wires alternatives ("NWA") programs, and peak demand reduction programs as required by the VCEA and the Storage Rules. The Company is currently in the process of developing a behind-the-meter storage offering for its commercial and industrial customers. The Company is also currently in the process of defining and developing its NWA program; the Company is working with a third-party consultant in the development of this program and plans to leverage information and elements of programs from other states in its development. In 2021, the Company solicited proposals for residential and non-residential behind-the-meter energy storage demand response programs that would provide an incentive to discharge a battery storage system when called upon during peak electrical demand. None of the proposals received were cost effective, so the Company did not bring any such proposals forward in the most recent DSM proceeding. The Company will continue to evaluate options for energy storage demand response programs.

V. RPS Development Plan-Related Modeling

In the 2022 update to the Company's 2020 Integrated Resource Plan ("2022 IRP Update") filed on September 1, 2022, in Case No. PUR-2022-00147, the Company presents five alternative plans ("Alternative Plans"):

- Plan A: This Alternative Plan presents a least-cost plan that meets only applicable carbon regulations and the mandatory RPS Program requirements of the VCEA. The Company presents this Alternative Plan in compliance with prior Commission orders and for cost comparison purposes only. It is important to emphasize that Alternative Plan A does not meet the development targets for solar, wind, and energy storage resources in Virginia established through the VCEA.

- Plan B: This Alternative Plan sets the Company on a trajectory toward dramatically reducing greenhouse gas emissions, taking into consideration future challenges and uncertainties. Plan B includes the significant development of solar, wind, and energy

storage resources envisioned by the VCEA. Plan B also preserves natural gas generation to address future system reliability, stability, and energy independence issues.

- Plan C: This Alternative Plan is like Plan B in preserving natural gas generation to address future system reliability, stability, and energy independence issues, with identical assumptions regarding the retirement of existing Company-owned carbon-emitting generation. Plan C differs from Plan B in that all new generation resources were selected on a least-cost optimization basis without regard for the development targets for solar, wind, and energy storage resources in Virginia established through the VCEA. Plan C conforms to the terms of the partial stipulation approved in the 2021 Final Order.

- Plan D: This Alternative Plan uses similar assumptions as Plan B but retires all Company-owned carbon-emitting generation by the end of 2045, resulting in zero CO_2 emissions from the Company's fleet in 2046. If the Company retires all carbon-emitting units by the end of 2045, the Company will need to build and buy significant incremental capacity to reliably meet customer load. Plan D shows the Company building over 6,000 MW of incremental energy storage and more than 1,000 MW of incremental small modular reactors ("SMRs") to meet this need when compared to Plan B. Even with these additional resources, Plan D results in the Company purchasing 5,000 MW of capacity in 2045 and beyond, raising concerns about system reliability and energy independence, including over-reliance on out-of-state capacity to meet customer needs. Over time as more renewable energy and energy storage resources are added to the system, the Company will learn if Plan D can maintain a reliable system.

- Plan E: This Alternative Plan is like Plan D in retiring all Company-owned carbon-emitting generation by the end of 2045. Plan E differs from Plan D in that all new generation resources were selected on a least-cost optimization basis without regard for the development targets for solar, wind, and energy storage resources in Virginia established through the VCEA. Plan E conforms to the terms of the partial stipulation approved in the 2021 Final Order. Like Plan D, Plan E would require the Company to build and buy significant incremental capacity to reliably meet customer load. Over time as more renewable energy and energy storage resources are added to the system, the Company will learn if Plan E can maintain a reliable system.

Figure 8 presents the results for Alternative Plans A through E from the 2022 IRP Update. The resource additions shown here are incremental to existing generation and approved generation under construction, including nearly 2,600 MW of offshore wind.

Figure 8: 2022 IRP Update Results

	Plan A	Plan B	Plan C	Plan D	Plan E
NPV Total ($B)	$68.1	$83.7	$77.2	$88.9	$88.1
Approximate CO_2 Emissions from Company in 2047 (Metric Tons)	18.9 M	5.1 M	4.9 M	0 M	0 M
Solar (MW)	14,829 15-yr 26,829 25-yr	13,692 15-yr 25,692 25-yr	13,329 15-yr 25,329 25-yr	13,812 15-yr 27,012 25-yr	16,586 15-yr 29,786 25-yr
Wind (MW)	-- 15-yr -- 25-yr	2,600 15-yr 2,600 25-yr	-- 15-yr 160 25-yr	3,400 15-yr 4,400 25-yr	800 15-yr 4,400 25-yr
Storage (MW)	-- 15-yr -- 25-yr	2,620 15-yr 3,070 25-yr	30 15-yr 2,400 25-yr	3,220 15-yr 9,220 25-yr	4,030 15-yr 10,030 25-yr
Nuclear (MW)	-- 15-yr -- 25-yr	-- 15-yr 1,140 25-yr	-- 15-yr 2,280 25-yr	-- 15-yr 2,280 25-yr	-- 15-yr 2,280 25-yr
Natural Gas Fired (MW)	1,940 15-yr 2,425 25-yr	-- 15-yr -- 25-yr	-- 15-yr -- 25-yr	-- 15-yr -- 25-yr	-- 15-yr -- 25-yr
Retirements (MW)	2,567 15-yr 2,567 25-yr	2,561 15-yr 4,792 25-yr	2,561 15-yr 4,792 25-yr	2,561 15-yr 13,356 25-yr	2,561 15-yr 13,356 25-yr

The Company instructed the model to select solar and energy storage resources consistent with this 2022 RPS Development Plan for Alternative Plans B and D. For Alternative Plans C and E, all new generation resources were selected on a least-cost optimization basis without regard for the development targets for solar, wind, and energy storage resources in Virginia established through the VCEA. As can be seen in Figure 8, however, Plans B through E all show the significant development of solar and energy storage envisioned by the VCEA, suggesting it remains prudent to proceed with development as set forth in this 2022 RPS Development Plan.

This modeling was completed using an updated load forecast, capacity value based on the latest guidance from PJM on effective load carrying capability ("ELCC"), an updated commodity price forecast that includes the regional impacts of the VCEA, and assuming a capacity factor for solar resources based on the lower of the design capacity factor or the three-year average of the Company's existing solar facilities in Virginia. The modeling also incorporates all Schedule 19 PPAs for which the Company has entered into long-term REC purchase contracts. The modeling inputs and assumptions are consistent between the 2022 IRP Update and the 2022 RPS Development Plan; all Alternative Plans include only reasonable inputs and assumptions. Attachment 6 provides an overview of the modeling inputs and assumptions underlying each Alternative Plan. See the 2022 IRP Update for additional details on the Company's planning assumptions.

Through PLEXOS, the Company models reliability at a system level by ensuring that sufficient resources are available to meet customer load based on the hourly profile of both load and resources. Because the Company is a member of PJM, PLEXOS has the option to fill any

deficits in any specific hour with market purchases. PLEXOS does not currently show any reliability issues through 2035 based on the modeling completed for this proceeding and the 2022 IRP Update.

Importantly for future planning purposes, however, the Company must take other factors into account to ensure reliability in the long term. For example, if other states pursue the same clean energy future as the Company resulting in significant volumes of intermittent resources with the same operational profiles as the Company's, the Company may not be able to fill any deficits in specific hours with market purchases. Separate from system level planning, planning at the more granular nodal and feeder level is also needed to ensure reliability, which is completed by the Company's transmission and distribution teams. It is at the nodal level that the system reliability and stability may become a concern based on physical transmission and distribution constraints. The Company continues to actively plan for these potential issues and will continue to do so as the Company transitions to a cleaner fleet as envisioned by the Commonwealth, the Company, and its customers. Attachment 7 provides an assessment regarding reliability under each Alternative Plan. See the Company's 2022 IRP Update filed in Case No. PUR-2022-00147 for a further discussion of the Company's evaluation of seasonal concerns and a status of the Company's long-term transmission reliability analyses.

Consistent with the 2020 Final Order, the Company evaluated the use of RECs for RPS Program compliance from Company-owned resources, PPAs, and unbundled REC purchases. Unbundled REC purchases were available in all Alternative Plans modeled in the 2022 IRP Update; see Sections 1.3 and 4.6 of the 2022 IRP Update for the REC-related assumptions incorporated. Figure 9 shows the percentage of RECs used for RPS Program compliance under each Alternative Plan.

Figure 9: RECs for RPS Program Compliance by Alternative Plan

Alternative Plan	RECs from Company-owned Resources	RECs from PPAs	RECs from Unbundled Purchases
Plan A	32.0%	35.3%	29.6%
Plan B	62.0%	18.7%	16.9%
Plan C	51.0%	17.5%	27.9%
Plan D	64.7%	18.7%	14.8%
Plan E	64.8%	19.7%	12.9%

Also as directed by the 2020 Final Order, the Company analyzed high- and low-price REC sensitivities. To provide sensitivities on REC prices, the Company varied the commodity price inputs into Alternative Plan B to show the effect on NPV using a range of possible costs. Using a commodity price forecast with higher- and lower-priced RECs, the NPV of Alternative Plan B was $93.2 billion and $83.6 billion, respectively. These compare to an NPV of $83.7 billion using the base commodity price forecast. As directed by the 2021 Final Order, the Company also analyzed high- and low-price REC sensitivities by varying the commodity price inputs into Alternative Plan A. Using a commodity price forecast with higher and lower priced RECs, the NPV of Alternative Plan A was $80.5 billion and $68.1 billion, respectively. These compare to an NPV of $68.1 billion using the base commodity price forecast.

None of the five Alternative Plans in the 2022 IRP Update show RECs in excess of the annual RPS Program requirement because of a higher 2022 PJM Load Forecast. Accordingly, the only REC banking that the Company needed to account for in its modeling, consistent with the 2021 Final Order, related to timing resulting from the Company's strategy to bank RECs from Virginia-sited facilities through 2024 ahead of the in-state REC requirement beginning in 2025. To account for this, the Company incorporated into the NPVs for each Alternative Plan the cost of REC purchases from a PJM REC market in 2023 and 2024 to meet the Company's compliance obligations in those years and then subtracted the value of banked Virginia RECs in 2025 and 2026.

Also as directed by the 2020 Final Order, the Company analyzed the purchase of RECs produced by distributed generation resources to meet the 1% Carve Out through three different mechanisms—RFPs, fixed price offers, and over-the-counter purchases. In January 2021, the Company issued an RFP specifically targeting RECs that qualify for the 1% Carve Out and negotiated agreements based on the responses. This RFP also helped the Company to establish relationships with some counterparties for over-the-counter purchases. The Company has also worked with REC brokers in the bilateral market to secure additional volumes of RECs that meet the 1% Carve Out. As to fixed price offers, the Company has not offered to buy RECs at a fixed price to date because it focused its efforts to procure this type of RECs first through more competitive pricing opportunities, as discussed. The market for RECs that meet the 1% Carve Out is in its infancy, therefore the Company does not have sufficient data to determine the "right" fixed price. Setting a fixed price offer too high (*e.g.*, $74 per REC) could undercut opportunities for lower-priced RECs to the detriment of customers.

The Company ran sensitivities on the three different mechanisms to procure distributed generation RECs by removing 210 MW of distributed solar resources from Alternative Plan B, which has the effect of removing the RECs produced by those resources. The Company then supplied the model with an assumed price for replacement distributed solar RECs sourced from (i) RFPs, as derived from the RFP for unbundled RECs issued in January 2021; (ii) over-the-counter purchases, as derived from actual bilateral market purchases; and (iii) fixed price offers, equivalent to the $75 per REC deficiency payment. These sensitivities resulted in NPVs of $84.34 billion using distributed solar RECs sourced from RFPs, $84.32 billion using RECs sourced from over-the-counter purchases, and $84.39 billion using RECs sourced from fixed-price offers. These compare to an NPV of $83.70 billion using RECs from the distributed solar resources in Alternative Plan B. The Company will continue to consider the options for meeting the 1% Carve Out in the most cost-effective manner for customers.

VI. Reasonableness and Prudence of the RPS Development Plan

This 2022 RPS Development Plan will (i) support RPS Program compliance; (ii) support carbon dioxide ("CO_2") reductions in the Commonwealth; (iii) promote new renewable energy generation and energy storage resources in the Commonwealth, and the associated economic development; and (iv) result in fuel savings.

1. Support RPS Program Compliance

The RPS Program drives the need for the development of solar and onshore wind generation shown in this RPS Development Plan. Attachment 8 provides the forecasted total electric energy sold, as defined in Va. Code § 56-585.5 A, as well as the estimated annual RPS Program requirement through 2035. Attachment 9 provides a list of the current resources that the Company intends to use to meet the annual requirements. Attachment 10 to this Development Plan provides the REC estimates by year for RPS Program compliance, shown by location, by resource type, and by ownership. The Company plans to use the RECs produced by the projects and PPAs shown in this RPS Development Plan towards its annual RPS Program requirements; these RECs are factored into the totals shown in Attachment 10. Importantly, the amounts shown in Attachments 8 through 10 are estimates. The actual annual requirements and the actual number of RECs the Company will need to retire in these years to meet its RPS Program requirements will be based on actual electric energy sold in the prior calendar years. See Exhibit 3 to the Company's petition in this proceeding for the Company's 2021 RPS Program Compliance Report.

The Company completed a consolidated bill analysis consistent with the 2020 Final Order. Specifically, the Company has completed a bill analysis for three different customer classes for each Alternative Plan presented in the 2022 IRP Update through 2035. Alternative Plans B and D are consistent with this 2022 RPS Development Plan.

The Company calculated projected bills for each customer class under each Alternative Plan based on requirements set by the Commission ("Directed Methodology"). These requirements dictate that the Company use constant class allocation factors across time and no sales growth, either at the system or class level, in its calculations. As discussed in prior proceedings, the Company believes that this methodology results in overstated bill projections because it does not reflect anticipated growth in sales over the 15-year period on which each build plan is based. Under the Directed Methodology, all Alternative Plans also assume a capacity factor for existing and future solar resources based on the lower of the design capacity factor or the three-year average of the Company's solar facilities in Virginia. As discussed in prior proceedings, the Company believes that a projected design capacity factor for future solar facilities better reflects their long-term output. Given these concerns with the Directed Methodology, the Company has also calculated projected bills under each Alternative Plan using (i) forecasted system and class sales growth, and the associated class allocation factors and (ii) a design capacity factor for solar resources ("Company Methodology").

Attachment 11 provides the summary results of this consolidated bill analysis. For ease of review, Figures 10 and 11 provide the projected *incremental* bill increase related to the RPS Program by year for Alternative Plan B of the 2022 IRP Update under the Company Methodology and the Directed Methodology, respectively. Attachment 12 provides the lifetime revenue requirement by component for Company-owned resources. Importantly, these bill projections and lifetime revenue requirements are not final—all Company rates are subject to regulatory approval.

Figure 10: RPS Program Incremental Bill Projections, Company Methodology

Year	Residential[1]	Small General Service[2]	Large General Service[3]
2021	$0.37	$2.01	$1,572.00
2022	$4.51	$21.40	$16,766.00
2023	$9.27	$46.36	$31,650.00
2024	$13.07	$69.18	$44,448.00
2025	$19.08	$100.69	$63,492.00
2026	$20.29	$104.41	$57,766.00
2027	$24.70	$125.06	$62,864.00
2028	$24.19	$121.46	$57,878.00
2029	$25.89	$130.63	$64,140.00
2030	$27.46	$138.50	$67,858.00
2031	$30.06	$151.51	$73,902.00
2032	$33.69	$170.12	$83,940.00
2033	$35.57	$179.21	$87,164.00
2034	$38.28	$190.83	$86,384.00
2035	$38.01	$189.13	$84,494.00

[1] Represents a residential customer using 1,000 kWh per month.
[2] Represents a customer on Rate Schedule GS-1 using 6,000 kWh per month.
[3] Represents a customer on Rate Schedule GS-4 with a demand of 10 MW using 6,000,000 kWh month.

Figure 11: RPS Program Incremental Bill Projections, Directed Methodology

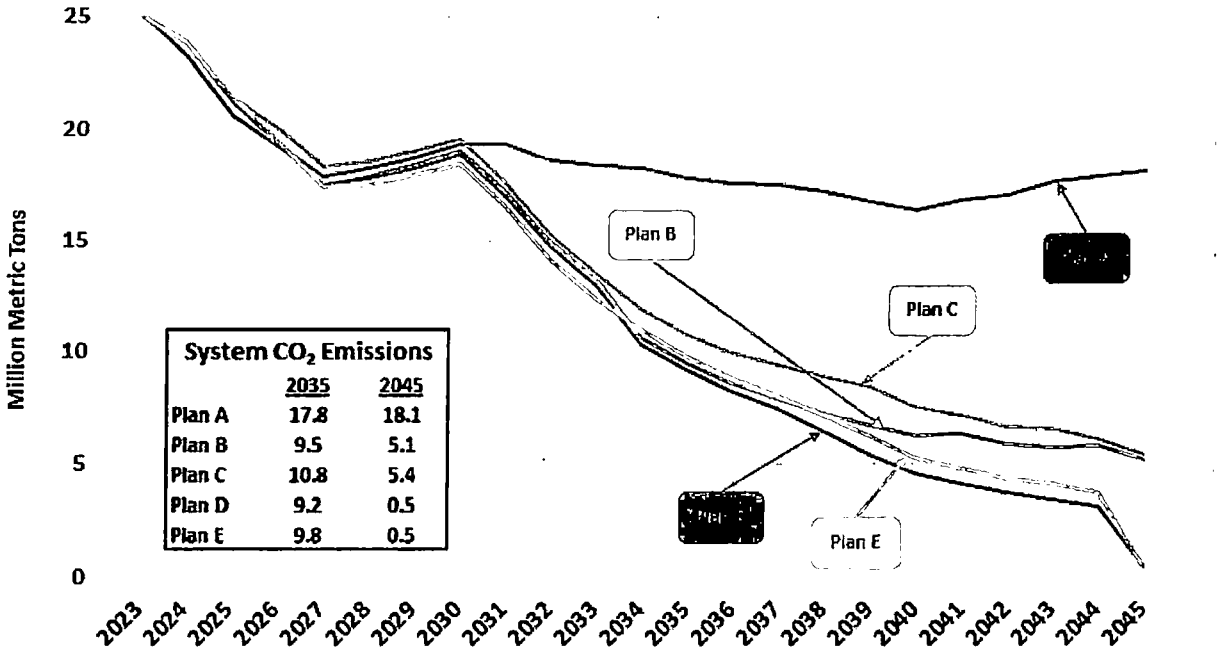
Year	Residential[1]	Small General Service[2]	Large General Service[3]
2021	$0.37	$2.01	$1,572.00
2022	$4.52	$21.43	$16,796.00
2023	$9.32	$46.63	$31,914.00
2024	$13.81	$66.20	$40,048.00
2025	$20.41	$97.14	$57,360.00
2026	$22.27	$101.36	$50,330.00
2027	$28.16	$124.13	$54,186.00
2028	$28.54	$124.19	$49,804.00
2029	$31.38	$138.29	$58,550.00
2030	$34.00	$149.84	$63,094.00
2031	$38.08	$167.55	$70,258.00
2032	$43.53	$192.00	$81,980.00
2033	$46.72	$205.26	$85,876.00
2034	$51.31	$220.57	$82,966.00
2035	$52.02	$223.66	$82,990.00

[1] Represents a residential customer using 1,000 kWh per month.
[2] Represents a customer on Rate Schedule GS-1 using 6,000 kWh per month.
[3] Represents a customer on Rate Schedule GS-4 with a demand of 10 MW using 6,000,000 kWh month.

2. Support CO_2 Reductions

The RPS Development Plan will support CO_2 reductions in the Commonwealth through the development of a significant amount of CO_2-free generation resources. Figure 12 shows the projected CO_2 output from the Company's fleet in the Commonwealth through 2035 for all Alternative Plans of the Company's 2022 IRP Update. Alternative Plans B and D are consistent with this 2022 RPS Development Plan.

Figure 12: System CO_2 Output from Company Fleet



System CO_2 Emissions	2035	2045
Plan A	17.8	18.1
Plan B	9.5	5.1
Plan C	10.8	5.4
Plan D	9.2	0.5
Plan E	9.8	0.5

3. Promote New Renewable Generation and Energy Storage Resources

The Development Plan promotes new renewable energy generation and energy storage resources located in the Commonwealth as discussed in Sections III and IV. By 2045, including existing resources the Company estimates that it may have 23,820 MW (nameplate) of solar resources, 5,198 MW (nameplate) of offshore wind resources, and 316 MW (nameplate) of hydroelectric resources that it will use toward meeting its capacity obligations in PJM, in addition to 4,298 MW (nameplate) of storage.[2] Attachment 13 provides information on

[2] These solar, offshore wind, hydroelectric, and storage resources would provide firm capacity of 3,825 MW, 1,455 MW, 316 MW, and 3,800 MW, respectively, providing 9,396 MW toward the Company's projected 2045 capacity obligation of 25,277 MW. These capacity estimates are based on Alternative Plan B of the Company's 2022 IRP Update. Notably, the VCEA recognizes that other carbon-free generating resources—such as existing and new nuclear—will remain an important component of the generation portfolio. Va. Code § 56-585.5. In addition, generation units that emit CO_2 as a byproduct of combustion could remain in service if the

environmental justice for new renewable energy generation generally, as required by the Commission in the 2020 Final Order.

Developing these resources in the Commonwealth will also promote economic development, including in the form of economic benefits and new jobs during development, construction, and post-construction, and an increase in local and state tax revenues over the construction and operational phases of the projects.

4. Result in Fuel Savings

As the Company's portfolio of renewable resources increases as set forth in this Development Plan, these resources will displace both market purchases and output from other traditional Company-owned generation units. Accordingly, the Company will realize savings on commodities such as coal, oil, and natural gas, as well as savings from reduced PJM energy purchases. The Company will also realize fuel savings because there are no fuel costs for solar generating facilities. Overall, this Development Plan will result in fuel savings of approximately $8.7 billion over the period of 2021 through 2035. Fuel savings for the full lives of all resources in this Development Plan which extend through 2070 are approximately $63 billion.[3]

Company petitions and the Commission finds that a given retirement would threaten the reliability and security of electric service.

[3] Under the cost recovery framework for RPS Program-related costs and benefits approved by the Commission, these fuel savings will flow to the rate adjustment clause for the relevant generation resources.

2022 RPS Development Plan
Attachment List

	Content	Sponsor
Attachment 1	Index of Requirements for RPS Development Plan	---
Attachment 2	Chart of Va. Code § 56-585.5 Compliance	Flowers
Attachment 3	Information on Ring-Fenced Facilities	Flowers
Attachment 4	Historical Capacity Factors of Company-Owned Solar Fleet	Prideaux
Attachment 5	Information on Accelerated Renewable Energy Buyers	Flowers
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2022 RPS Development Plan
Attachment 1: Index of RPS Development Plan Requirements

In addition to the relevant statutory requirements in Va. Code § 56-585.5 D 4 and the relevant requirements in the Regulations Governing the Deployment of Energy Storage, 20 VAC 5-335-10 *et seq.*, the Commission has set forth requirements for the Company's annual RPS Development Plans in the following orders:

- Case No. PUR-2020-00134, Order Establishing 2020 RPS Proceedings dated July 10, 2020 ("2020 Filing Requirements Order")
- Case No. PUR-2020-00134, Final Order dated April 30, 2021 ("2020 Final Order")
- Case No. PUR-2021-00146, Final Order dated March 15, 2022 ("2021 Final Order")

The Commission has also directed inclusion of an index that identifies where the Company addressed each requirement. That index follows.

2022 RPS Development Plan
Attachment 1: Index of RPS Development Plan Requirements

Requirement	Citation	Development Plan Location	Company Witness Sponsor
Submit an annual plan that (i) reflects, in the aggregate and over the duration, the Subsection D requirements for allocation between utility-owned facilities and PPAs, and (ii) includes a plan to meet energy storage development targets under Subsection E, including the goal of installing at least 10% behind the meter.	Va. Code § 56-585.5 D 4	2022 RPS Development Plan	---
Consider "the RPS and carbon dioxide reduction requirements" in Va. Code § 56-585.5.	Va. Code § 56-585.5 D 4	Section VI.1 and VI.2	Keefer / Drummond
Consider the promotion of new renewable generation and energy storage resources within the Commonwealth, and associated economic development.	Va. Code § 56-585.5 D 4	Section VI.3	Flowers
Consider the fuel savings projected to be achieved by the plan.	Va. Code § 56-585.5 D 4	Section VI.4	Drummond
Report on the plan to meet and progress toward the interim targets set forth in the storage regulations.	20 VAC 5-335-30	Section IV	Flowers
Report annually on any competitive solicitations for energy storage projects.	20 VAC 5-335-40	Section IV	Flowers / Keefer
Address behind-the meter incentives related to energy storage.	20 VAC 5-335-50	Section IV	Flowers
Address non-wires alternative programs related to energy storage.	20 VAC 5-335-60	Section IV	Flowers
Address peak demand reduction programs related to energy storage.	20 VAC 5-335-70	Section IV	Flowers
For any least-cost plan submitted, include only reasonable inputs and assumptions.	2021 Final Order at 8	Section V	Drummond
For any least-cost plan submitted, evaluate RECs from all sources (with both high and low-price sensitivities), including utility-owned, third-party PPAs, and unbundled REC purchases.	2021 Final Order at 8	Section V	Drummond

2022 RPS Development Plan
Attachment 1: Index of RPS Development Plan Requirements

Requirement	Citation	Development Plan Location	Company Witness Sponsor
For any least-cost plan submitted, contain a sensitivity that optimizes RECs, including but not limited to the optimization of RECs through REC banking. If the Company is unable to run this sensitivity through PLEXOS, the Company shall estimate the impact of banking outside of PLEXOS to the best of its ability.	2021 Final Order at 8	Section V	Drummond
Should the least-cost raise concerns regrading the reliability of service, file an alternative least cost plan that addresses those reliability concerns.	2021 Final Order at 9	N/A	N/A
Provide an assessment regarding the impacts of every modeled plan on the reliability of the Company's service and identify any reliability concerns.	2021 Final Order at 9	Attachment 7	Drummond
Incorporate the most recently available PJM ELCC guidance.	2021 Final Order at 9	Section V	Drummond
Incorporate all Schedule 19 PPAs in which the Company has entered into long-term REC contracts.	2021 Final Order at 9	Section V	Drummond
Continue to use the PJM load forecast	2021 Final Order at 9	Section V	Drummond
Model two alternative plans in addition to a least cost plan and a plan that models the development targets set forth in Code § 56-585.5 D and E and Code § 56-585.1:11, as contemplated in the Partial Stipulation.	2021 Final Order at 10	Section V	Drummond
Include, for each year over the preceding three calendar years, the actual capacity factor of each Commission-approved solar facility in its fleet.	2021 Final Order at 12.	Attachment 4	Prideaux
Examine both a 1-2-3 scoring system and a 1-3-9 scoring system and provide both sets of non-price evaluations in future RPS proceedings.	2021 Final Order at 13	Section III	Flowers / Keefer
Analyze how the Company's plan and petition requests address and implement the RPS and carbon dioxide reduction requirements in Code § 56-585.5, including but not necessarily limited to Code § 56-585.5 C.	2020 Final Order at 6	Section VI.1 and VI.2	Keefer / Drummond

2022 RPS Development Plan
Attachment 1: Index of RPS Development Plan Requirements

Requirement	Citation	Development Plan Location	Company Witness Sponsor
Include a least plan consistent with the requirements of the 2020 IRP Final Order that meets (i) applicable carbon regulations and (ii) the mandatory RPS Program.	2020 Final Order at 6; 2021 Final Order at 8	Section V	Drummond
Include an evaluation of RECs from all sources (with both high and low-price sensitivities), including utility-owned, third-party PPAs, and unbundled REC purchases.	2020 Final Order at 6	Section V	Drummond
Model the solar capacity factor as required by the 2020 IRP Final Order (*i.e.*, using the actual capacity performance of the Company's solar tracking fleet in Virginia based on an average of the most recent three-year period).	2020 Final Order at 6; 2021 Final Order at 10	Section V	Drummond
Include distributed generation sensitivities for unbundled REC purchases through RFPs, fixed price offers, and over-the-counter purchases.	2020 Final Order at 6	Section V	Drummond / Keefer
Model reliability impacts (including the duck curve if the Company concludes that it may impact reliability).	2020 Final Order at 7 and n.20	Section V	Drummond
Update fundamental forecasts and commodity pricing that reflect the VCEA requirements.	2020 Final Order at 7	Section V	Drummond
Provide a detailed chart showing how the Company has complied to date with "VCEA RPS requirements."	2020 Final Order at 7	Attachment 2	Flowers
Include annual certification of RPS Program compliance beginning in 2022 by filing a compliance report consistent with the protocols proposed by the Company in the 2021 proceeding and provide access to the GATS Compliance Report electronically.[1]	2020 Final Order at 7; 2021 Final Order at 10-11	Exhibit 3 to the Petition	Keefer

[1] The 2020 Final Order (at 7) included a requirement to propose reporting metrics and protocols associated with RPS Program certification. The Commission adopted the protocols included with the 2021 RPS Development Plan. 2021 Final Order at 10-11. Accordingly, the Company has not provided information responsive to this requirement and has removed this requirement from this index.

2022 RPS Development Plan
Attachment 1: Index of RPS Development Plan Requirements

Requirement	Citation	Development Plan Location	Company Witness Sponsor
File a consolidated bill analysis that complies with the requirements set forth in the 2020 IRP Final Order, as modified by the 2020 Final Order.	2020 Final Order at 8; 2021 Final Order at 11	Section VI.1 Attachment 10	Hewett
Provide information related to accelerated renewable energy buyers.	2020 Final Order at 9; 2021 Final Order at 11-12	Attachment 5	Flowers
Provide information related to ring-fenced facilities.	2020 Final Order at 10; 2021 Final Order at 11-12	Attachment 3	Flowers
Continue to include the complete results of RPS Program-related requests for proposals, and comply with the specific requirements of Va. Code § 56-585.5 D 3. Consider input from Staff and other interested parties and continue to refine and update the RFP process to ensure the inclusion of the most economical and least environmentally invasive projects.	2020 Final Order at 10; 2021 Final Order at 13	Section III[2]	Flowers / Keefer
Ensure modeling inputs and assumptions are consistent between IRP and RPS Development Plan proceedings and explain the reason behind any deviation in the assumptions and modeling used.	2020 Final Order at 11	Section V	Drummond
Evaluate and rank the potential environmental justice impacts of different renewable options and present the results.	2020 Final Order at 26; 2021 Final Order at 33	Attachment 13	Flowers
(1) For each year, 2021 through 2035, provide an estimate of the yearly RPS Program requirement expressed in MWh in accordance with the schedule provided in § 56-585.5 C.	2020 Filing Requirements Order	Attachment 8	Keefer

[2] Comprehensive reports on the RFPs issued by the Company in 2021 are included with the Petition as Filing Schedule 46A.

2022 RPS Development Plan
Attachment 1: Index of RPS Development Plan Requirements

Requirement	Citation	Development Plan Location	Company Witness Sponsor
(1) (a) For each year, 2021 through 2035, provide an estimate (MWhs or RECs) of the RPS Program requirement that is expected to be met from generation located: (i) in Virginia; (ii) off the coast of the Commonwealth; or (iii) otherwise located in PJM.	2020 Filing Requirements Order	Attachment 10	Keefer
(1) (b) For each year, 2021 through 2035, provide an estimate (MWhs or RECs) of the RPS Program requirement that is expected to be met from the following sources: (i) solar; (ii) on-shore wind; (iii) off-shore wind; (iv) falling water; (v) waste-to-energy or landfill gas; (vi) biomass; or (vii) any other qualifying resource.	2020 Filing Requirements Order	Attachment 10	Keefer
(1) (c) For each year, 2021 through 2035, provide an estimate, expressed in MWhs, of the RPS Program requirement that must be provided by non-utility sources.	2020 Filing Requirements Order	Attachment 10	Keefer
(2) Provide the lifetime revenue requirement for the proposed RPS Program by component, including supporting calculations on an annual basis.[3]	2020 Filing Requirements Order	Attachment 12	Flowers / Lecky
(3) State whether the utility in its RPS Filing will treat the term "capacity" referenced in § 56-585.5 as nameplate capacity, or in some other way to be identified and described by the utility.	2020 Filing Requirements Order	Section III	Flowers / Keefer
(4) Estimate the nameplate capacity of all renewable resources the utility will be required to procure to meet its capacity obligations in PJM, following the utility's full transition to renewable resources by 2045 (Phase II Utility), and 2050 (Phase I Utility), as required by § 56-585.5.	2020 Filing Requirements Order	Section VI.3	Drummond
(6) For each year, 2021 through 2035, provide an estimate, expressed in MWhs, of the RPS Program's required solar, wind, or anaerobic digestion resources of one megawatt or less.	2020 Filing Requirements Order	Attachment 10	Keefer

[3] This requirement initially included a requirement to file a bill analysis. The Company has filed a consolidated bill analysis consistent with the 2020 Final Order, which modified the bill analysis-related requirements.

Requirement	Citation	Development Plan Location	Company Witness Sponsor
(7) For each year, 2021 through 2035, provide an estimate, expressed in MWhs, of the RPS Program's required low-income qualifying projects.[4]	2020 Filing Requirements Order	Attachment 10	Keefer
(12) Regarding the tranches described in § 56-585.5 D 2 a-e for a Phase II utility, (i) describe how the utility will obtain the requisite 35% of energy, capacity and environmental attributes from non-utility sources as required by the statute, and (ii) state, in detail, whether affiliates of the utility may potentially provide any of that energy, capacity or environmental attributes.	2020 Filing Requirements Order	Section III	Keefer

[4] The 2020 Filing Requirements Order (at Attachment) included four requirements related to low-income qualifying projects, and the 2020 Final Order (at 11) included an additional requirement to report on the status of the related stakeholder process. In the 2021 Final Order, the Commission provided relief from these requirements, stating that the Company had adequately responded. Final Order at 12. Accordingly, the Company has not provided information responsive to these requirements and has removed these requirements from this index.

2022 RPS Development Plan
Attachment 2: Chart on Va. Code § 56-585.5 Compliance

The 2020 Final Order requires the Company to provide a detailed chart showing how the Company has complied to date with "the VCEA's RPS requirements." To comply with this request, the Company has created the chart that follows detailing how the Company has complied generally with Va. Code § 56-585.5 to date.

2022 RPS Development Plan
Attachment 2: Chart on Va. Code § 56-585.5 Compliance

Va. Code § 56-585.5 Subsection	Requirement	Status
Subsection B 1[1]	By December 31, 2024, retire all generating units principally fueled by oil with a rated capacity in excess of 500 megawatts and all coal-fired electric generating units operating in the Commonwealth except for any coal-fired electric generating units (i) jointly owned with a cooperative utility or (ii) owned and operated by Dominion Energy Virginia located in the coalfield region of the Commonwealth that co-fires with biomass.	Retired Possum Point Unit 5 in 2020. Anticipates retirement of Yorktown Unit 3 and Chesterfield Units 5 and 6 in 2023.
Subsection B 2[1]	By December 31, 2028, retire all biomass-fired electric generating units that do not co-fire with coal.	Deadlines not yet passed.
Subsection B 3[1]	By December 31, 2045, retire all other electric generating units located in the Commonwealth that emit carbon as a by-product of combusting fuel to generate electricity.	Deadlines not yet passed.
Subsection C	Participate in the mandatory RPS Program beginning in 2021.	See the Company's 2021 RPS Program Compliance Report, Exhibit 3 to the 2022 RPS Development Plan
Subsection D 2 (i)	By December 31, 2035, petition for the necessary approvals to construct, acquire, or enter into PPAs of 16,100 MW of generating capacity located in the Commonwealth using energy derived from sunlight or onshore wind, which shall include 1,100 MW of solar generation of a nameplate capacity not to exceed three megawatts per individual project and 35% of such generating capacity procured shall be from non-affiliate PPAs. And at least 200 MW of the 16,100 MW shall be placed on previously developed project sites.	See 2022 RPS Development Plan for progress to date.

[1] Va. Code § 56-585.5 B 4 permits utilities to petition for relief from this requirement if it would threaten the reliability and security of electric service to customers.

2022 RPS Development Plan
Attachment 2: Chart on Va. Code § 56-585.5 Compliance

Va. Code § 56-585.5 Subsection	Requirement	Status
Subsection D 2 (ii)	By December 31, 2035, petition for the necessary approvals to construct or purchase one or more offshore wind generation facilities located off the Commonwealth's Atlantic shoreline or in federal waters and interconnected directly into the Commonwealth with an aggregate capacity of up to 5,200 MW, pursuant to Va. Code § 56-585.1:11.	The Company petitioned for approval and certification of the CVOW Commercial Project in November 2021. See Case No. PUR-2021-00142.
Subsection D 2 a	By December 31, 2024, petition for the necessary approvals to construct, acquire, or enter into PPAs of at least 3,000 MW of generating capacity located in the Commonwealth using energy derived from sunlight or onshore wind, 35% of which shall be from PPAs.	See 2022 RPS Development Plan for progress to date.
Subsection D 2 b	By December 31, 2027, petition for the necessary approvals to construct, acquire, or enter into PPAs of at least 3,000 MW of generating capacity located in the Commonwealth using energy derived from sunlight or onshore wind, 35% of which shall be from PPAs.	Deadlines not yet passed.
Subsection D 2 c	By December 31, 2030, petition for the necessary approvals to construct, acquire, or enter into PPAs of at least 4,000 MW of generating capacity located in the Commonwealth using energy derived from sunlight or onshore wind, 35% of which shall be from PPAs.	Deadlines not yet passed.
Subsection D 2 d	By December 31, 2035, petition for the necessary approvals to construct, acquire, or enter into PPAs of at least 6,100 MW of generating capacity located in the Commonwealth using energy derived from sunlight or onshore wind, 35% of which shall be from PPAs.	Deadlines not yet passed.

2022 RPS Development Plan
Attachment 2: Chart on Va. Code § 56-585.5 Compliance

Va. Code § 56-585.5 Subsection	Requirement	Status
Subsection D 3	At least once every year, conduct a request for proposals for new solar and wind resources that complies with the statutory requirements.	2020: issued RFP on May 1, 2020 (utility-scale) and Oct. 9, 2020 (distributed). 2021: issued RFPs on April 29, 2021 (utility-scale and distributed). 2022: issue RFPs on April 29, 2022 (development proposals) and September 1, 2022 (PPA proposals)
Subsection D 4	Commencing in 2020 and concluding in 2035, submit annually a plan and petition for approval for the development of new solar and onshore wind generation capacity and to meet the energy storage projects targets, and related requests.	2020: Case No. PUR-2020-00134. 2021: Case No. PUR-2021-00146. 2022: Case No. PUR-2022-00124.
Subsection D 5	Subject to a competitive procurement process, procure equipment from a Virginia-based or United States-based manufacturer using materials or product components made in Virginia or the United States, if reasonably available and competitively priced.	See the pre-filed direct testimony of Company Witness Todd Flowers.
Subsection E	By December 31, 2035, petition for necessary approvals to construct or acquire 2,700 megawatts of energy storage capacity. After July 1, 2020, at least 35% of the energy storage facilities placed into service shall be (i) purchased by the public utility from a party other than the public utility or (ii) owned by a party other than a public utility, with the capacity from such facilities sold to the public utility.	See 2022 RPS Development Plan for progress to date.
Subsection G 2	Certify, and verify as necessary, to the Commission that the accelerated renewable energy buyer has satisfied the exemption requirements of this subsection for each year.	See Attachment 5 to the 2022 RPS Development Plan.

2022 RPS Development Plan
Attachment 3: Information on Ring-Fenced Facilities

A "ring-fenced" solar facility refers to a facility constructed and owned by the Company for a specific customer. Ring-fenced solar facilities are not constructed to serve the Company's jurisdictional customers and are not paid for by jurisdictional customers. The costs of constructing and operating the facilities are "ring-fenced" so that jurisdictional customers are held harmless from any impacts of the projects.[1]

Whether or not a solar facility is ring-fenced does not affect how to account for accelerated renewable energy buyers ("ARBs") under Subsection G 1. If an ARB has contracted with the Company for a ring-fenced facility, the nameplate capacity of that facility offsets the Company's development target under Va. Code § 56-585.5 D 4 (as long as that facility was placed in commercial operation after January 1, 2015). Further, the number of RECs produced by that facility is accounted for when determining the non-bypassable RPS Program-related costs and benefits from which that ARB is exempt. Notably, the same statements would be true for solar facilities that ARBs have under contract with other developers.

In the 2020 Final Order, the Commission directed the Company to provide information related to ring-fenced facilities in its annual RPS Development Plan proceedings.[2] The next page of this attachment includes the following information for each facility:

- The name of the facility.
- The nameplate capacity of the facility.
- Projected and actual annual capacity factors. Actual capacity factors based on 2021 calendar year data.
- Levelized cost of energy in dollars per megawatt-hours ("$/MWh"). The Company has incorporated the value of capacity by applying the ICF forecasted capacity prices to a solar resource's capacity value in the PJM market based on the February 2021 PJM ELCC study.
- Whether each ring-fenced facility is contracted or expected to be contracted with an eligible ARB. Each facility is under contract with a known entity; accordingly, the only unknown piece of information at this time is whether that entity will certify as an ARB. The Company has stated "Yes" or "No" in response to this requirement based on the information it has on potentially-eligible ARBs at the time of filing (*i.e.*, non-residential customers with over 25 MW of load). Actual determinations on ARBs will be based on the annual ARB certification process established by the Commission. See Attachment 5.
- Contracted prices in $/MWh. The Company has provided the price in year one of the agreement. Multiplying this price by any applicable price escalator would provide annual prices.
- The contract duration.

[1] *See, e.g., Application of Virginia Electric and Power Company, For approval and certification of the proposed Remington Solar Facility pursuant to §§ 56-46.1 and 56-580 D of the Code of Virginia*, Case No. PUE-2016-00048, Final Order at 6 (Feb. 1, 2017).
[2] In the 2021 Final Order, the Commission directed the Company to continue to include this information.

- Whether each contract is a bundled sale of energy, capacity, environmental attributes, and ancillary services, or a subset of these elements. For all contracts noted as "bundled," the Company considers these to be bundled contracts for the sale of energy, capacity, environmental attributes, and ancillary services. Operationally, the Company physically offers the energy and capacity into the PJM market on behalf of the offtaker and separately delivers the RECs.
- Any price escalators in the contracts.
- Any performance guarantees in the contracts. The Company does not have any contracts that incorporate a "performance guarantee" as that term has been used in Case Nos. PUR-2018-00101 and PUR-2019-00105. Accordingly, the Company responds to this requirement based on whether the contract has an availability guarantee.

2022 RPS Development Plan

Attachment 3: Information on Ring-Fenced Facilities

Project	Nameplate Capacity	Actual Capacity Factor	Projected Capacity Factor	LCOE ($/MWh)	Potential ARB	Contracted Year 1 Price ($/MWh)	Contract Duration	Elements of Contract	Price Escalator	Availability Guarantee
Fort Powhatan	150	N/A	25.4%	[redacted]	Yes	[redacted]	17	Bundled	[redacted]	[redacted]
Maplewood	120	N/A	23.9%		Yes		17	Bundled		
Morgans Corner	20	18.3%	21.6%		Yes		20	Bundled		
Hollyfield	17	20.4%	25.3%		Yes		25	Bundled		
Puller	15	23.0%	24.8%		Yes		25	Bundled		
Rochambeau	20	N/A	24.0%		No		20	Bundled		
Oceana	18	22.3%	22.6%		Yes		25	Bundled		
Remington*	20	21.0%	21.8%		No		25	Energy, Capacity		
Remington*					Yes		25	REC		
Montross	20	22.4%	25.1%		Yes		20	Bundled		
Gloucester	20	23.3%	25.6%		Yes		20	Bundled		
Grasshopper	80	24.3%	25.9%		Yes		20	Bundled		
Pecan	75	25.1%	28.6%		Yes		16	Bundled		
Gutenberg	80	25.4%	28.7%		Yes		16	Bundled		
Chestnut	75	22.7%	27.3%		Yes		20	Bundled		
Belcher	88	N/A	25.9%		Yes		20	Bundled		
Bedford	70	N/A	22.5%		Yes		20	Bundled		
Pumpkinseed	60	N/A	26.4%		Yes		20	Bundled		
Bookers Mill	127	N/A	20.3%		Yes		20	Bundled		
Acorn	1.4	N/A	22.3%		No		25	Bundled		

* This project has two separate contracts with two separate entities for the bundled sale of energy, capacity, ancillary services, and environmental attributes

2022 RPS Development Plan

Attachment 4: Historical Capacity Factors for Solar Fleet

Site	State	COD	MWac	Tracking	2016	2017	2018	2019	2020	2021
Morgans Corner	NC	12/28/2015	19.8	Fixed Tilt	19.10%	19.70%	16.30%	17.30%	18.10%	18.30%
Scott I	VA	12/11/2016	17*	Single-axis tracking		20.40%	13.70%	14.30%	21.70%	20.60%
Whitehouse	VA	12/11/2016	20*	Single-axis tracking		20.40%	16.30%	21.30%	19.70%	21.90%
Woodland	VA	12/11/2016	19.16	Single-axis tracking		17.50%	20.00%	19.60%	19.90%	22.30%
Remington	VA	10/1/2017	19.8	Fixed Tilt			20.20%	19.80%	19.40%	21.00%
Oceana	VA	11/30/2017	17.6*	Single-axis tracking			17.80%	21.40%	19.70%	22.30%
Hollyfield	VA	9/6/2018	17	Single-axis tracking				21.50%	22.10%	20.40%
Puller	VA	10/31/2018	15	Single-axis tracking				22.10%	21.90%	23.00%
Pecan	NC	12/7/2018	74.9	Single-axis tracking				21.80%	24.10%	25.10%
Montross	VA	12/12/2018	20*	Single-axis tracking				22.80%	22.30%	22.40%
Gloucester	VA	4/22/2019	19.8*	Single-axis tracking					21.50%	23.30%
Gutenberg	NC	9/20/2019	79.9	Single-axis tracking					21.90%	25.40%
Colonial Trail West	VA	12/26/2019	142.4*	Single-axis tracking					24.10%	21.70%
Chestnut	NC	1/31/2020	74.9*	Single-axis tracking						22.70%
Grasshopper	VA	10/30/2020	80*	Single-axis tracking						24.30%
Spring Grove	VA	11/30/2020	97.9	Single-axis tracking						25.20%
Belcher	VA	6/30/2021	88.2	Single-axis tracking						
Sadler	VA	7/6/2021	100*	Single-axis tracking						
Bedford	VA	11/23/2021	70*	Single-axis tracking						
Rochambeau	VA	12/23/2021	19.9*	Single-axis tracking						
Fort Powhatan	VA	1/19/2022	150	Single-axis tracking						

Notes:

* Interconnect agreement limitation.

1. Capacity factors only provided for full years of operation. COD year excluded as the partial year is not representative of the requested annual capacity factor.
2. Includes 0.5% degradation per year after the first full operating year

2022 RPS Development Plan
Attachment 5: Information on Accelerated Renewable Energy Buyers

Va. Code § 56-585.5 G permits customers who certify as accelerated renewable energy buyers ("ARBs") to be exempt from certain RPS Program-related costs and benefits. Effective February 1, 2022, the Commission adopted its Regulations Governing Accelerated Renewable Energy Buyers, which implement the provisions of Va. Code § 56-585.5 G regarding ARBs, including processes for ARBs to certify.

In the 2020 Final Order, the Commission directed the Company to provide information related to ARBs in its annual RPS Development Plan proceedings:

For existing customers that potentially qualify as ARBs under Code § 56-585.5 G, provide:

i. **The total aggregate annual load for the prior calendar year associated with these customers:** 13,488,605 MWh (2021).
ii. **The total aggregate peak load for the prior calendar year associated with these customers:** 1,900.0 MW (2021).
iii. **The aggregate amount of energy, capacity, and RECs procured by such customers in the prior calendar year, to the extent known:** 1,677,161 MWh (2021).

Identify all customers that have certified as ARBs and provide (i) the total annual load for the prior calendar year associated with each customer, and cumulatively for all such customers; (ii) the total peak load for the prior calendar year associated with each customer, and cumulatively for all such customers; and (iii) the aggregate amount of energy, capacity, and RECs procured in the prior calendar year by each customer, and cumulatively for all such customers. For each customer certified as an ARB, the table below contains the 2021 annual sales, aggregate peak load, production from bundled contracts and production from REC-only contracts.

[BEGIN EXTRAORDINARILY SENSITIVE CUSTOMER INFORMATION]

[END EXTRAORDINARILY SENSITIVE CUSTOMER INFORMATION]

2022 RPS Development Plan
Attachment 6: Alternative Plan Modeling Assumption Summaries

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	**Alternative Plan A**
Unit Retirements	Yorktown Unit 3 (oil), 2023; Chesterfield Units 5 & 6 (coal), 2023; Clover Units 1 & 2 (coal), 2025; Rosemary (oil), 2027; Altavista (biomass), 2028; Hopewell (biomass), 2028; Southampton (biomass), 2028); Mount Storm in West Virginia (coal), 2044; VCHEC (coal/gob/biomass), 2045
Unit Retirement Methodology	Chosen by the PLEXOS model
Load Forecast	2022 PJM Load Forecast (published Jan. 2022) scaled down to the DOM LSE level, with adjustments for energy efficiency and retail choice
Energy Efficiency Assumptions	Approved energy efficiency programs as of August 2022
Commodity Price Forecast	2022 ICF Base Case
Required Resource Additions	None
Supply-Side Options	---
Utility-Scale Solar	60 MW cost of service blocks, available beginning in 2025; 120 MW PPA blocks, available beginning in 2025; no more than 1,200 MW per year
Distributed Solar	2 MW blocks, both cost of service and PPA, available beginning in 2025; no more than 120 MW per year
Offshore Wind	Specific 2,600 MW block, available beginning in 2033
Onshore Wind	Specific 120 MW unit, available in 2027; specific 80 MW unit, available in 2028; generic 80 MW units, available once per year beginning in 2028
Energy Storage	30 MW, four-hour blocks, available beginning in 2025; no more than 300 MW per year
Pumped Storage	Specific 300 MW unit, available for selection in 2031
Nuclear Small Modular Reactor	285 MW units, available beginning in 2033; 10 maximum units available, one unit per year
Natural Gas-Fired	Generic 1x CT 90 MW aeroderivative unit, 4 units available per year beginning in 2026, maximum of 24 units; generic 2x CT 485 MW units, 1 unit available per year beginning in 2029, maximum of 10 units; specific 2x CT 485 MW units, 1 unit available per year beginning in 2027, maximum of 2 units; generic 1x1 CC 580 MW unit, 1 unit available per year beginning in 2029, maximum of 5 units; generic 2x1 CC 1160 MW unit, 1 unit available per year beginning in 2029, maximum of 5 units; generic 3x1 CC 1740 MW unit, 1 unit available per year beginning in 2029, maximum of 5 units
Capacity Factors	---
Specific Solar Facilities	Lower of the design capacity factor or the three-year average of existing solar tracking fleet in Virginia
Generic Solar	22.5% (three-year historical average for existing solar tracking fleet in Virginia in 2019, 2020, and 2021)

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	**Alternative Plan A**
Offshore Wind	42%
Onshore Wind	Specific 120 MW unit, 36.5%; specific 80 MW unit, 42.4%; generic 80 MW units, 39.5%
Capacity Values	PJM ELCC values (published Dec. 2021) through 2032, ICF-forecasted ELCC values thereafter
REC Purchase Limitation	100% of RECs from PJM REC market through 2024; 25% of RECs from PJM REC market and 1% of RECs from a Virginia REC market beginning in 2025
Capacity Purchase Limit	2,700 MW

2022 RPS Development Plan
Attachment 6: Alternative Plan Modeling Assumption Summaries

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	**Alternative Plan B**
Unit Retirements	Yorktown Unit 3 (oil), 2023; Chesterfield Units 5 & 6 (coal), 2023; Clover Units 1 & 2 (coal), 2025; Rosemary (oil), 2027; Altavista (biomass), 2028; Hopewell (biomass), 2028; Southampton (biomass), 2028); Mount Storm in West Virginia (coal), 2044; VCHEC (coal/gob/biomass), 2045
Unit Retirement Methodology	Determined by Company based on 10-year cash flow analysis, environmental regulations, and other policy considerations
Load Forecast	2022 PJM Load Forecast (published Jan. 2022) scaled down to the DOM LSE level, with adjustments for energy efficiency and retail choice
Energy Efficiency Assumptions	Approved energy efficiency programs as of August 2022 plus generic energy efficiency programs that meet the requirements and targets of the GTSA and the VCEA, as well as a 5% energy savings target for 2026 and beyond
Commodity Price Forecast	2022 ICF Base Case
Required Resource Additions	CE-3 Projects, CE-3 Distributed Solar Project, generic solar and energy storage resources in quantities consistent with the 2022 RPS Development Plan, 2,600 MW block of offshore wind in 2034
Supply-Side Options	---
Utility-Scale Solar	60 MW blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2025; no more than 1,200 MW per year
Distributed Solar	2 MW blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2025; no more than 120 MW per year
Offshore Wind	Specific 2,600 MW block, available beginning in 2033
Onshore Wind	Specific 120 MW unit, available in 2027; specific 80 MW unit, available in 2028; generic 80 MW units, available once per year beginning in 2028
Energy Storage	30 MW, four-hour blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2026; no more than 300 MW per year
Pumped Storage	Specific 300 MW unit, available for selection in 2031
Nuclear Small Modular Reactor	285 MW units, available beginning in 2033; 10 maximum units available, one unit per year
Capacity Factors	---
Specific Solar Facilities	Lower of the design capacity factor or the three-year average of existing solar tracking fleet in Virginia
Generic Solar	22.5% (three-year historical average for existing solar tracking fleet in Virginia in 2019, 2020, and 2021)

2022 RPS Development Plan
Attachment 6: Alternative Plan Modeling Assumption Summaries

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	**Alternative Plan B**
Offshore Wind	42%
Onshore Wind	Specific 120 MW unit, 36.5%; specific 80 MW unit, 42.4%; generic 80 MW units, 39.5%
Capacity Values	PJM ELCC values (published Dec. 2021) through 2032, ICF-forecasted ELCC values thereafter
REC Purchase Limitation	100% of RECs from PJM REC market through 2024; 25% of RECs from PJM REC market and 1% of RECs from a Virginia REC market beginning in 2025
Capacity Purchase Limit	2,700 MW

2022 RPS Development Plan
Attachment 6: Alternative Plan Modeling Assumption Summaries

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	Alternative Plan C
Unit Retirements	Yorktown Unit 3 (oil), 2023; Chesterfield Units 5 & 6 (coal), 2023; Clover Units 1 & 2 (coal), 2025; Rosemary (oil), 2027; Altavista (biomass), 2028; Hopewell (biomass), 2028; Southampton (biomass), 2028); Mount Storm in West Virginia (coal), 2044; VCHEC (coal/gob/biomass), 2045
Unit Retirement Methodology	Determined by Company based on 10-year cash flow analysis, environmental regulations, and other policy considerations
Load Forecast	2022 PJM Load Forecast (published Jan. 2022) scaled down to the DOM LSE level, with adjustments for energy efficiency and retail choice
Energy Efficiency Assumptions	Approved energy efficiency programs as of August 2022 plus generic energy efficiency programs that meet the requirements and targets of the GTSA and the VCEA, as well as a 5% energy savings target for 2026 and beyond
Commodity Price Forecast	2022 ICF Base Case
Required Resource Additions	None
Supply-Side Options	---
Utility-Scale Solar	60 MW blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2025; no more than 1,200 MW per year
Distributed Solar	2 MW blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2025; no more than 120 MW per year
Offshore Wind	Specific 2,600 MW block, available beginning in 2033
Onshore Wind	Specific 120 MW unit, available in 2027; specific 80 MW unit, available in 2028; generic 80 MW units, available once per year beginning in 2028
Energy Storage	30 MW, four-hour blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2026; no more than 300 MW per year
Pumped Storage	Specific 300 MW unit, available for selection in 2031
Nuclear Small Modular Reactor	285 MW units, available beginning in 2033; 10 maximum units available, one unit per year
Capacity Factors	---
Specific Solar Facilities	Lower of the design capacity factor or the three-year average of existing solar tracking fleet in Virginia
Generic Solar	22.5% (three-year historical average for existing solar tracking fleet in Virginia in 2019, 2020, and 2021)
Offshore Wind	42%
Onshore Wind	Specific 120 MW unit, 36.5%; specific 80 MW unit, 42.4%; generic 80 MW units, 39.5%

2022 RPS Development Plan
Attachment 6: Alternative Plan Modeling Assumption Summaries

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	Alternative Plan C
Capacity Values	PJM ELCC values (published Dec. 2021) through 2032, ICF-forecasted ELCC values thereafter
REC Purchase Limitation	100% of RECs from PJM REC market through 2024; 25% of RECs from PJM REC market and 1% of RECs from a Virginia REC market beginning in 2025
Capacity Purchase Limit	2,700 MW

2022 RPS Development Plan
Attachment 6: Alternative Plan Modeling Assumption Summaries

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	Alternative Plan D
Unit Retirements	Yorktown Unit 3 (oil), 2023; Chesterfield Units 5 & 6 (coal), 2023; Clover Units 1 & 2 (coal), 2025; Rosemary (oil), 2027; Altavista (biomass), 2028; Hopewell (biomass), 2028; Southampton (biomass), 2028; Gordonsville (gas), 2036; Chesterfield Units 7 & 8 (gas), 2038; Elizabeth River (gas), 2038; Gravel Neck (gas), 2038; Possum Point 6 (gas), 2039; Bear Garden (gas), 2039; Darbytown (gas), 2041; Ladysmith (gas), 2043; Mount Storm in West Virginia (coal), 2044; VCHEC (coal/gob/biomass), 2045; Remington (gas), 2045; Brunswick (gas), 2045; Greensville (gas), 2045; Warren (gas), 2045
Unit Retirement Methodology	Determined by Company based on 10-year cash flow analysis, environmental regulations, and other policy considerations; retires all Company-owned carbon-emitting generation by the end of 2045
Load Forecast	2022 PJM Load Forecast (published Jan. 2022) scaled down to the DOM LSE level, with adjustments for energy efficiency and retail choice
Energy Efficiency Assumptions	Approved energy efficiency programs as of August 2022 plus generic energy efficiency programs that meet the requirements and targets of the GTSA and the VCEA, as well as a 5% energy savings target for 2026 and beyond
Commodity Price Forecast	2022 ICF Base Case
Required Resource Additions	CE-3 Projects, CE-3 Distributed Solar Project, generic solar and energy storage resources in quantities consistent with the 2022 RPS Development Plan, 2,600 MW block of offshore wind in 2034
Supply-Side Options	---
Utility-Scale Solar	60 MW blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2025; no more than 1,200 MW per year
Distributed Solar	2 MW blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2025; no more than 120 MW per year
Offshore Wind	Specific 2,600 MW block, available beginning in 2033
Onshore Wind	Specific 120 MW unit, available in 2027; specific 80 MW unit, available in 2028; generic 80 MW units, available once per year beginning in 2028
Energy Storage	30 MW, four-hour blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2026; no more than 300 MW per year through 2036, no more than 600 MW per year thereafter

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	Alternative Plan D
Pumped Storage	Specific 300 MW unit, available for selection in 2031
Nuclear Small Modular Reactor	285 MW units, available beginning in 2033; 10 maximum units available, one unit per year
Capacity Factors	---
Specific Solar Facilities	Lower of the design capacity factor or the three-year average of existing solar tracking fleet in Virginia
Generic Solar	22.5% (three-year historical average for existing solar tracking fleet in Virginia in 2019, 2020, and 2021)
Offshore Wind	42%
Onshore Wind	Specific 120 MW unit, 36.5%; specific 80 MW unit, 42.4%; generic 80 MW units, 39.5%
Capacity Values	PJM ELCC values (published Dec. 2021) through 2032, ICF-forecasted ELCC values thereafter
REC Purchase Limitation	100% of RECs from PJM REC market through 2024; 25% of RECs from PJM REC market and 1% of RECs from a Virginia REC market beginning in 2025
Capacity Purchase Limit	5,500 MW

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	Alternative Plan E
Unit Retirements	Yorktown Unit 3 (oil), 2023; Chesterfield Units 5 & 6 (coal), 2023; Clover Units 1 & 2 (coal), 2025; Rosemary (oil), 2027; Altavista (biomass), 2028; Hopewell (biomass), 2028; Southampton (biomass), 2028; Gordonsville (gas), 2036; Chesterfield Units 7 & 8 (gas), 2038; Elizabeth River (gas), 2038; Gravel Neck (gas), 2038; Possum Point 6 (gas), 2039; Bear Garden (gas), 2039; Darbytown (gas), 2041; Ladysmith (gas), 2043; Mount Storm in West Virginia (coal), 2044; VCHEC (coal/gob/biomass), 2045; Remington (gas), 2045; Brunswick (gas), 2045; Greensville (gas), 2045; Warren (gas), 2045
Unit Retirement Methodology	Determined by Company based on 10-year cash flow analysis, environmental regulations, and other policy considerations; retires all Company-owned carbon-emitting generation by the end of 2045
Load Forecast	2022 PJM Load Forecast (published Jan. 2022) scaled down to the DOM LSE level, with adjustments for energy efficiency and retail choice
Energy Efficiency Assumptions	Approved energy efficiency programs as of August 2022 plus generic energy efficiency programs that meet the requirements and targets of the GTSA and the VCEA, as well as a 5% energy savings target for 2026 and beyond
Commodity Price Forecast	2022 ICF Base Case
Required Resource Additions	None
Supply-Side Options	---
Utility-Scale Solar	60 MW blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2025; no more than 1,200 MW per year
Distributed Solar	2 MW blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2025; no more than 120 MW per year
Offshore Wind	Specific 2,600 MW block, available beginning in 2033
Onshore Wind	Specific 120 MW unit, available in 2027; specific 80 MW unit, available in 2028; generic 80 MW units, available once per year beginning in 2028
Energy Storage	30 MW, four-hour blocks, with each block reflecting 65%-35% split between cost of service and PPA, available beginning in 2026; no more than 300 MW per year through 2036, no more than 600 MW per year thereafter
Pumped Storage	Specific 300 MW unit available for selection in 2031
Nuclear Small Modular Reactor	285 MW units, available beginning in 2033; 10 maximum units available, one unit per year

Integrated Resource Plan	2022 Update, Case No. PUR-2022-00147
Plan Name	Alternative Plan E
Capacity Factors	---
Specific Solar Facilities	Lower of the design capacity factor or the three-year average of existing solar tracking fleet in Virginia
Generic Solar	22.5% (three-year historical average for existing solar tracking fleet in Virginia in 2019, 2020, and 2021)
Offshore Wind	42%
Onshore Wind	Specific 120 MW unit, 36.5%; specific 80 MW, 42.4%; generic 80 MW units, 39.5%
Capacity Values	PJM ELCC values (published Dec. 2021) through 2032, ICF-forecasted ELCC values thereafter
REC Purchase Limitation	100% of RECs from PJM REC market through 2024; 25% of RECs from PJM REC market and 1% of RECs from a Virginia REC market beginning in 2025
Capacity Purchase Limit	5,500 MW

2022 RPS Development Plan
Attachment 7: Alternative Plan Reliability Assessment

In the 2021 Final Order, the Commission directed the Company to provide an assessment regarding the impacts of every modeled plan on the reliability of the Company's service and identify any reliability concerns.

The Company completed a high-level assessment of the potential reliability of the Company's transmission system under the build plans shown in Alternative Plans A through E, with the goal of identifying any potential reliability concerns. A significant factor in future transmission system reliability is the retirement of synchronous generation facilities. Based on the time it takes to complete this type of analysis, the Company used Alternative Plans A, B, and C from the 2021 IRP Update filed in Case No. PUR-2021-00201 as a proxy for Alternative Plans A, B/C, and D/E in the 2022 IRP Update filed in Case No. PUR-2022-00147. This approach provides a reasonable approximation of potential reliability concerns because of the similarity of existing unit retirements within those groups. The Company performed this analysis by replicating the general synchronous generation retirement trend described in these Alternative Plans. The primary limitation of using Alternative Plans A, B, and C from the 2021 IRP Update as a proxy is that the 2021 IRP Update did not include nuclear small module reactors ("SMRs"), which were included as a resource for the first time in the 2022 IRP Update. The Company will incorporate SMRs into its reliability analyses in future filings. The Company provided the following summary of its assessment in Section 2.3 of the 2022 IRP Update, with additional details provided in Chapter 7 of the 2022 IRP Update:

- Plan A: The Company does not have significant transmission system reliability concerns under the build plan shown in Plan A. While Plan A includes a significant amount of new intermittent solar generation, Plan A also maintains the majority of the Company's existing fleet of synchronous generation facilities and constructs additional quick-start and dispatchable combustion turbines, both of which would help the system maintain reliability and continue to run similarly to how it runs today. Nevertheless, the Company has concerns with Alternative Plan A for other reasons unrelated to transmission system reliability, as discussed in Section 2.2 of the 2022 IRP Update.

- Plans B/C: While the Company has transmission system reliability concerns when compared to Plan A, concerns regarding Plans B/C are alleviated in part by the preservation of natural gas-fired generation beyond 2045 to address future system reliability, stability, and energy independence issues. Yet Plans B/C show deterioration of inertia response as a result of further retirement of rotating machines when compared to Plan A; in addition, average fault current over the Company system decreased when compared to Plan A.

- Plans D/E: The Company has concerns regarding whether Plans D/E would be capable of maintaining a reliable system with the retirement of all carbon-emitting units—the traditional synchronous generators relied on for system reliability—by the end of 2045. The Company's analysis showed suboptimal primary frequency response following the loss of a large synchronous generation. The analyses completed for Plans D/E also showed deterioration of inertia response when compared to Plans A and B/C; in addition, average fault current over the Company system decreased when compared to Plans A and B/C.

2022 RPS Development Plan
Attachment 8: Estimates of RPS Program Annual Requirements

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Previous Year Retail Sales (MWh)	80,585,418	86,340,279	86,642,798	88,041,687	89,258,843	91,451,737	93,229,718	95,073,962	96,405,557	97,933,196	99,624,244	101,719,402	103,164,211	104,951,564	106,838,955
Previous Year Nuclear Output (MWh)[1]	26,886,505	25,462,128	26,607,247	26,122,579	26,077,734	25,432,337	24,951,633	25,750,079	25,869,975	25,255,545	25,903,670	26,226,212	26,833,275	26,247,284	26,698,447
ARB Load (MWh)[2]	[redacted]														
100 MW CSP Customer Load (MWh)[3]															
Net Previous Year Sales (MWh)	52,808,112	54,809,674	54,478,065	56,860,190	58,505,704	61,748,116	64,340,728	65,663,207	67,107,902	69,448,870	70,715,737	72,675,736	73,635,100	76,116,795	77,680,351
Annual Percentage Requirement	14%	17%	20%	23%	26%	29%	32%	35%	38%	41%	45%	49%	52%	55%	59%
Total RPS Program Requirement (RECs)	7,393,136	9,317,645	10,895,614	13,077,844	15,211,484	17,906,954	20,589,033	22,982,123	25,501,003	28,474,037	31,774,938	35,514,210	38,290,252	41,864,238	45,831,408

Notes:

Other than the 2021 values, all values shown, except for the annual percentage requirement, are estimates.

[1] As defined in Va. Code § 56-585.5 A, the previous year's nuclear output shall reduce "total electric energy" for purpose of the RPS Program. The nuclear output shown is based on percentage of output from Company-owned portion of nuclear generating plants located in the Commonwealth serving Virginia customers.

[2] Va. Code § 56-585.5 G states an accelerated renewable energy buyer ("ARB") may offset all or a portion of its electric load for purposes of RPS Program compliance. Actual offsets will be based on the ARB certification process established by the Commission.

[3] Va. Code § 56-585.5 H states customers with a peak demand greater than 100 MW that elected to purchase electricity from a competitive service provider prior to April 1, 2019 shall not be included in the RPS Program requirements.

CONFIDENTIAL INFORMATION REDACTED

2022 RPS Development Plan
Attachment 9: Renewable Energy Facilities for RPS Program Compliance

Table 9-1 lists the Company-owned renewable energy facilities and PPAs—both existing facilities and those approved by the Commission—that the Company intends to utilize to meet its annual RPS Program requirements.

Table 9-1: Renewable Energy Facilities for RECs for RPS Program Compliance

Facility	Ownership	Operational Status as of Sept. 30, 2022	Actual / Estimated Year 1 GWh
Gaston Hydro	Company	Operational	383
Roanoke Rapids Hydro	Company	Operational	389
North Anna Hydro	Company	Operational	1
Scott Solar	Company	Operational	32
Whitehouse Solar	Company	Operational	34
Woodland Solar	Company	Operational	32
Solar Partnership Program	Company	Operational	6
CVOW Demonstration Project	Company	Operational	44
Williamston Speight Solar	PPA	Operational	27
Essex Solar	PPA	Operational	39
Water Strider Solar	PPA	Operational	176
Westmoreland Solar	PPA	Under Construction	43
Grassfield Solar	Company	Under Construction	37
Norge Solar	Company	Under Construction	37
Sycamore Solar	Company	Under Construction	78
Watlington Solar	PPA	Under Construction	37
Pleasant Hill Solar	PPA	Under Construction	37
Chesapeake Solar	PPA	Under Construction	219
Wythe Solar	PPA	Under Construction	139
Cavalier Solar	PPA	Under Construction	316
Rivanna Solar	PPA	Under Construction	23
Solidago Solar	Company	Under Construction	39
Sebera Solar	Company	Under Construction	35
Quillwort Solar	Company	Under Construction	35
Winterpock Solar	Company	Under Construction	39
Camellia Solar	Company	Under Construction	35
Winterberry Solar	Company	Under Construction	39
Sweet Sue Solar	Company	Under Construction	147
Otter Creek Solar	Company	Under Construction	118
Piney Creek Solar	Company	Under Construction	158
Fountain Creek Solar	Company	Under Construction	158
Walnut Solar	Company	Under Construction	296
Dulles Solar + Storage	Company	Under Construction	197
Black Bear Solar	Company	Under Construction	3
Springfield Solar	Company	Under Construction	4
Sinai Solar + Storage	PPA	Under Construction	20
360 Solar 1	PPA	Under Construction	51

2022 RPS Development Plan
Attachment 9: Renewable Energy Facilities for RPS Program Compliance

Facility	Ownership	Operational Status as of Sept. 30, 2022	Actual / Estimated Year 1 GWh
360 Solar 2	PPA	Under Construction	51
Stratford Solar	PPA	Under Construction	29
Cox Solar + Storage	PPA	Under Construction	32
Surry Solar	PPA	Under Construction	39
Ho-Fel Solar	PPA	Under Construction	79
Elm Spring Solar	PPA	Under Construction	6
Shanvalee	PPA	Under Construction	6
Rockingham Scenic Farms	PPA	Under Construction	6
Sandale Solar	PPA	Under Construction	6
USS Boykins 1[1]	PPA	Under Construction	2
USS Boykins 3	PPA	Under Construction	6
Spring Run Solar	PPA	Under Construction	6
Suffolk Solar	PPA	Under Construction	6
Nuby Run Solar	PPA	Under Construction	4

Note: (1) RECs should qualify toward RPS Program carve out for distributed energy resources located in the Commonwealth with a nameplate capacity of 1 MW or less.

The Company has banked the RECs generated by these facilities in 2021 and previous years, and intends to continue to do so through 2024 for use in 2025 when the requirement for Virginia-located resources begins.

Attachment 10: Estimates of RECs for RPS Program Compliance

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Annual MWh Requirement[1]	7,393,136	9,317,645	10,895,614	13,077,844	15,211,484	17,906,954	20,589,033	22,982,123	25,501,003	28,474,037	31,774,938	35,514,210	38,290,252	41,864,238	45,831,408
Location[2]															
Virginia[3]	1,580,788	93,177	108,957	885,779	12,585,771	12,421,606	5,878,615	7,629,122	9,562,592	11,792,368	14,268,044	17,028,188	18,189,559	12,264,409	15,239,786
Off Coast	0	0	0	0	223,270	1,008,610	9,563,160	9,607,470	9,563,160	9,563,160	9,563,160	9,607,470	10,528,130	19,133,770	19,133,770
Otherwise in PJM	5,812,348	9,224,468	10,786,657	12,192,065	2,402,443	4,476,739	5,147,258	5,745,531	6,375,251	7,118,509	7,943,735	8,878,553	9,572,563	10,466,060	11,457,852
Resource Type[2]															
Solar	81,246	93,177	108,957	215,347	11,812,828	11,906,160	5,427,495	7,001,862	8,950,812	11,162,958	13,640,784	16,400,928	17,562,299	11,634,999	14,612,526
On-shore Wind	211,730	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-shore Wind	0	0	0	0	223,270	1,008,610	9,563,160	9,607,470	9,563,160	9,563,160	9,563,160	9,607,470	10,528,130	19,133,770	19,133,770
Falling Water[4]	5,506,678	0	0	671,088	772,943	515,446	451,120	627,260	611,780	629,410	627,260	627,260	627,260	629,410	627,260
Waste-to-Energy / Landfill Gas	4,225	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Biomass	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other[5]	1,589,257	9,224,468	10,786,657	12,191,409	2,402,443	4,476,739	5,147,258	5,745,531	6,375,251	7,118,509	7,943,735	8,878,553	9,572,563	10,466,060	11,457,852
Subset Requirements															
Required non-utility sources[6]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DER (1 MW or less)	73,932	93,177	108,957	130,779	152,115	179,070	205,891	229,822	255,011	284,741	317,750	355,143	382,903	418,643	458,315
Low-income qualifying projects[7]	0	23,295	27,240	32,695	38,029	44,768	51,473	57,456	63,753	71,186	79,438	88,786	95,726	104,661	114,579

Notes: Other than the 2021 values, all values shown are estimates.

[1] See Attachment 8 for calculation.

[2] The Company plans to bank Virginia RECs from Company-owned facilities until the in-state requirement begins in 2025.

[3] Includes resources that qualify as Commonwealth-located resources under Va. Code § 56-585.5 C.

[4] Represents Company-owned falling water.

[5] Represents RECs purchased from within PJM; qualifying resource type not yet known.

[6] While the Company may use RECs from non-utility sources to meet its RPS Program requirements, Va. Code § 56-585.5 C does not contain a requirement to do so. The Company expects to meet a portion of its RPS Program required through RECs from non-utility sources. See, for example, Section III of the RPS Development Plan.

[7] There were no "low-income qualifying projects" available for compliance year 2021, as the Commission is still finalizing its business rules related to the criteria for such projects.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

RESIDENTIAL BILL PROJECTION - PLAN A, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL *Schedule 1 (1,000 kWh)*	2019 *DEC 2019*	2020 *MAY 1, 2020*	2020 *DEC 2020*	2021 *DEC 2021*	2022 *DEC 2022*	2023 *DEC 2023*	2024 *DEC 2024*	2025 *DEC 2025*	2026 *DEC 2026*	2027 *DEC 2027*	2028 *DEC 2028*	2029 *DEC 2029*	2030 *DEC 2030*	2031 *DEC 2031*	2032 *DEC 2032*	2033 *DEC 2033*	2034 *DEC 2034*	2035 *DEC 2035*
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.43)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 16.60	$ 12.91	$ 17.36	$ 17.03	$ 17.75	$ 18.29	$ 18.40	$ 18.05	$ 18.01	$ 17.99	$ 17.98	$ 18.00	$ 18.04	$ 18.05	$ 18.02
FUEL	$ 23.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 23.49	$ 23.69	$ 26.19	$ 27.74	$ 29.24	$ 30.87	$ 32.69	$ 34.36	$ 36.10	$ 38.01	$ 39.79
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.81	$ 4.20	$ 4.68	$ 4.67	$ 4.67	$ 4.49	$ 4.45	$ 4.39	$ 4.32	$ 4.25	$ 4.20	$ 4.13	$ 4.07
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 12.69	$ 8.00	$ 7.73	$ 7.29	$ 7.43	$ 7.07	$ 6.74	$ 6.65	$ 6.51	$ 6.57	$ 6.10	$ 6.23
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.40	$ 2.35	$ 2.71	$ 3.39	$ 3.84	$ 4.12	$ 4.81	$ 5.03	$ 4.99	$ 4.81	$ 4.59	$ 4.36
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.30	$ 3.19	$ 2.41	$ 3.05	$ 3.69	$ 4.10	$ 4.29	$ 4.15	$ 3.95	$ 3.76	$ 3.57	$ 3.39	$ 3.20
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.95	$ 2.86	$ 3.37	$ 3.63	$ 3.98	$ 4.30	$ 4.16	$ 4.53	$ 3.51	$ 3.38	$ 3.28	$ 3.17	$ 3.05
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.89	$ 1.30	$ 1.60	$ 1.75	$ 1.74	$ 1.69	$ 1.64	$ 1.60	$ 1.56	$ 1.52	$ 1.48
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.11	$ 0.71	$ 0.69	$ 0.65	$ 0.60	$ 0.56	$ 0.53	$ 0.50	$ 0.47	$ 0.44	$ 0.41	$ 0.39
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 2.97	$ 2.88	$ 2.51	$ 2.42	$ 1.83	$ 1.67	$ 1.66	$ 1.35	$ 0.99	$ 0.32	$ 0.16	$ 0.08
Additional Resources in Plan A																		
GAS CT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.10	$ 0.32	$ 0.65	$ 1.05	$ 1.71	$ 2.27	$ 2.67
VCHEC 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.13	$ 7.73	$ 7.34	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
BIOMASS 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.74	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RPS Program-Related Resources Plan A																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.17	$ 3.21	$ 2.29	$ 2.04	$ 1.68	$ 2.45	$ 2.98	$ 3.34	$ 3.75	$ 4.09	$ 4.54	$ 5.07
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 1.67	$ 2.84	$ 2.76	$ 2.54	$ 2.36	$ 2.19	$ 2.08	$ 1.97	$ 1.88	$ 1.80	$ 1.72	$ 1.65	$ 1.58
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.21)	$ (0.89)	$ (0.57)	$ (0.51)	$ (0.50)	$ (0.49)	$ (0.49)	$ (0.48)	$ (0.48)	$ (0.48)	$ (0.48)	$ (0.48)	$ (0.48)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.68)	$ (0.17)	$ (0.13)	$ (0.09)	$ (0.12)	$ (0.13)	$ (0.14)	$ (0.14)	$ (0.14)	$ (0.15)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.10)	$ (0.12)	$ (0.14)	$ (0.17)	$ (0.19)	$ (0.21)	$ (0.22)	$ (0.23)	$ (0.24)	$ (0.25)	$ (0.26)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 1.45	$ 1.91	$ 2.09	$ 1.24	$ 1.55	$ 1.40	$ 1.31	$ 1.17	$ 1.04	$ 0.95	$ 0.86	$ 0.78	$ 0.70
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.21	$ 0.48	$ 1.03	$ 2.33	$ 3.58	$ 4.79	$ 6.01	$ 7.24	$ 8.49	$ 9.80	$ 11.09	$ 12.42	$ 13.75
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.34)	$ (0.38)	$ (0.71)	$ (0.82)	$ (1.57)	$ (2.34)	$ (3.13)	$ (3.94)	$ (4.66)	$ (5.49)	$ (6.25)	$ (7.08)	$ (7.91)	$ (8.69)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.78)	$ (0.52)	$ (0.57)	$ (0.56)	$ (0.93)	$ (1.24)	$ (1.50)	$ (1.78)	$ (2.04)	$ (2.35)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.03)	$ (0.10)	$ (0.32)	$ (0.61)	$ (0.91)	$ (1.25)	$ (1.51)	$ (1.66)	$ (1.68)	$ (1.93)	$ (2.18)	$ (2.43)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.17)	$ (0.26)	$ 0.10	$ (0.35)	$ 0.11	$ 0.18	$ 0.27	$ 0.15	$ 0.10	$ 0.37	$ 0.30	$ 0.31	$ 0.28
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 5.97	$ 8.88	$ 10.76	$ 16.14	$ 14.97	$ 14.07	$ 12.80	$ 11.77	$ 11.40	$ 10.63	$ 10.02	$ 9.59
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.31)	$ (2.73)	$ (2.78)	$ (2.84)	$ (2.87)	$ (2.91)	$ (2.92)	$ (2.94)	$ (2.96)	$ (2.99)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.11)	$ (0.73)	$ (0.57)	$ (0.74)	$ (0.84)	$ (0.90)	$ (0.93)	$ (0.94)	$ (0.80)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.38)	$ (0.41)	$ (0.46)	$ (0.49)	$ (0.53)	$ (0.53)	$ (0.55)	$ (0.57)	$ (0.59)
TOTAL OFFSHORE WIND	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 5.97	$ 8.88	$ 10.45	$ 12.91	$ 11.05	$ 10.20	$ 8.70	$ 7.50	$ 7.07	$ 6.22	$ 5.54	$ 5.22
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.52	$ 7.81	$ 10.79	$ 14.27	$ 13.63	$ 16.61	$ 14.31	$ 14.24	$ 12.99	$ 11.98	$ 12.14	$ 11.47	$ 11.17	$ 11.26
PLAN A TOTAL	$ 122.66	$ 116.18	$ 116.54	$ 120.32	$ 140.34	$ 167.92	$ 156.01	$ 142.64	$ 143.73	$ 150.72	$ 150.28	$ 151.49	$ 152.51	$ 152.08	$ 153.32	$ 153.91	$ 154.80	$ 156.42
CAGR PLAN A (2019 BASE)													2.0%					1.5%
CAGR PLAN A (MAY 2020 BASE)													2.6%					1.9%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] *Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.*
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

RESIDENTIAL BILL PROJECTION - PLAN B, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.43)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 16.60	$ 12.91	$ 17.36	$ 17.03	$ 17.75	$ 18.29	$ 18.40	$ 18.05	$ 18.01	$ 17.99	$ 17.98	$ 18.00	$ 18.04	$ 18.05	$ 18.02
FUEL	$ 23.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 22.09	$ 21.99	$ 23.39	$ 24.12	$ 24.93	$ 25.86	$ 27.16	$ 28.30	$ 29.93	$ 31.64	$ 32.87
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.81	$ 4.20	$ 4.68	$ 4.67	$ 4.67	$ 4.49	$ 4.45	$ 4.39	$ 4.32	$ 4.25	$ 4.20	$ 4.13	$ 4.07
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 12.69	$ 11.65	$ 11.44	$ 10.92	$ 10.92	$ 9.82	$ 9.33	$ 9.18	$ 8.92	$ 8.93	$ 8.40	$ 8.62
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.40	$ 2.35	$ 2.71	$ 3.39	$ 3.84	$ 4.12	$ 4.81	$ 5.03	$ 4.99	$ 4.81	$ 4.59	$ 4.36
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.30	$ 3.19	$ 2.41	$ 3.05	$ 3.69	$ 4.10	$ 4.29	$ 4.15	$ 3.95	$ 3.76	$ 3.57	$ 3.39	$ 3.20
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.95	$ 2.86	$ 3.37	$ 3.63	$ 3.98	$ 4.30	$ 4.16	$ 4.53	$ 3.51	$ 3.38	$ 3.28	$ 3.17	$ 3.05
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.89	$ 1.30	$ 1.60	$ 1.75	$ 1.74	$ 1.69	$ 1.64	$ 1.60	$ 1.56	$ 1.52	$ 1.48
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.11	$ 0.71	$ 0.69	$ 0.65	$ 0.60	$ 0.56	$ 0.53	$ 0.50	$ 0.47	$ 0.44	$ 0.41	$ 0.39
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 2.97	$ 2.88	$ 2.51	$ 2.42	$ 1.83	$ 1.67	$ 1.66	$ 1.35	$ 0.99	$ 0.32	$ 0.16	$ 0.08
Additional Resources in Plan B																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 0.51	$ 1.56	$ 2.83	$ 2.19	$ 1.80	$ 1.57	$ 1.38	$ 1.26	$ 1.28	$ 1.32	$ 1.38	$ 1.43	$ 1.42
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.33	$ 0.23	$ 0.20	$ 0.20	$ 0.18	$ 0.17	$ 0.15	$ 0.14	$ 0.14	$ 0.12	$ 0.11	$ 0.10	$ 0.09
RPS Program-Related Resources Plan B																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.18	$ 3.22	$ 2.37	$ 2.04	$ 1.72	$ 2.37	$ 2.94	$ 3.33	$ 3.74	$ 4.07	$ 4.52	$ 5.00
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 3.20	$ 5.02	$ 7.75	$ 10.40	$ 12.67	$ 14.55	$ 16.45	$ 18.08	$ 19.62	$ 21.16	$ 22.70	$ 24.17	$ 25.43
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.24)	$ (0.93)	$ (0.95)	$ (1.47)	$ (1.92)	$ (2.39)	$ (2.89)	$ (3.33)	$ (3.84)	$ (4.30)	$ (4.81)	$ (5.31)	$ (5.79)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.79)	$ (0.58)	$ (0.39)	$ (0.62)	$ (0.84)	$ (1.01)	$ (1.19)	$ (1.33)	$ (1.34)	
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.15)	$ (0.37)	$ (0.60)	$ (0.85)	$ (1.15)	$ (1.46)	$ (1.72)	$ (1.90)	$ (2.20)	$ (2.52)	$ (2.84)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 2.96	$ 4.05	$ 6.66	$ 7.78	$ 9.57	$ 10.87	$ 12.02	$ 12.67	$ 13.22	$ 13.94	$ 14.50	$ 15.01	$ 15.46
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.22	$ 0.58	$ 1.18	$ 1.67	$ 2.14	$ 2.62	$ 3.11	$ 3.60	$ 4.13	$ 4.70	$ 5.25	$ 5.85	$ 6.44
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.35)	$ (0.43)	$ (0.81)	$ (0.88)	$ (1.08)	$ (1.33)	$ (1.62)	$ (1.88)	$ (2.11)	$ (2.39)	$ (2.64)	$ (2.91)	$ (3.18)	$ (3.43)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.78)	$ (0.44)	$ (0.31)	$ (0.27)	$ (0.41)	$ (0.53)	$ (0.63)	$ (0.73)	$ (0.80)	$ (0.77)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.03)	$ (0.11)	$ (0.24)	$ (0.37)	$ (0.51)	$ (0.68)	$ (0.85)	$ (1.00)	$ (1.10)	$ (1.26)	$ (1.43)	$ (1.61)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.22)	$ (0.26)	$ 0.20	$ (0.43)	$ -	$ 0.19	$ 0.28	$ 0.24	$ 0.21	$ 0.33	$ 0.36	$ 0.43	$ 0.62
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.10	$ 9.01	$ 10.88	$ 16.32	$ 15.34	$ 15.10	$ 15.71	$ 17.57	$ 20.01	$ 21.40	$ 26.32	$ 25.24
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.31)	$ (2.73)	$ (2.78)	$ (2.84)	$ (2.87)	$ (2.91)	$ (2.92)	$ (3.28)	$ (5.94)	$ (5.99)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.11)	$ (0.73)	$ (0.57)	$ (0.74)	$ (0.84)	$ (0.90)	$ (0.93)	$ (1.02)	$ (1.47)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.38)	$ (0.41)	$ (0.46)	$ (0.49)	$ (0.53)	$ (0.53)	$ (0.55)	$ (1.14)	$ (1.18)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.10	$ 9.01	$ 10.58	$ 13.09	$ 11.42	$ 11.24	$ 11.61	$ 13.29	$ 15.68	$ 16.65	$ 18.23	$ 16.61
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.09	$ 0.32
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.51	$ 9.27	$ 13.07	$ 19.08	$ 20.29	$ 24.70	$ 24.19	$ 25.89	$ 27.46	$ 30.06	$ 33.69	$ 35.57	$ 38.28	$ 38.01
PLAN B TOTAL	$ 122.66	$ 116.18	$ 116.54	$ 120.32	$ 140.20	$ 162.50	$ 151.98	$ 152.73	$ 154.79	$ 161.62	$ 161.76	$ 163.01	$ 165.64	$ 167.92	$ 171.61	$ 173.97	$ 177.11	$ 177.48
CAGR PLAN B (2019 BASE)													2.8%					2.3%
CAGR PLAN B (MAY 2020 BASE)													3.4%					2.7%

[1] *Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.*
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

RESIDENTIAL BILL PROJECTION - PLAN C, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.43)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 16.60	$ 12.91	$ 17.36	$ 17.03	$ 17.75	$ 18.29	$ 18.40	$ 18.05	$ 18.01	$ 17.99	$ 17.98	$ 18.00	$ 18.04	$ 18.05	$ 18.02
FUEL	$ 23.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 22.28	$ 22.11	$ 23.24	$ 23.99	$ 24.88	$ 25.91	$ 27.29	$ 28.51	$ 29.84	$ 31.33	$ 32.65
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.81	$ 4.20	$ 4.68	$ 4.67	$ 4.67	$ 4.49	$ 4.45	$ 4.39	$ 4.32	$ 4.25	$ 4.20	$ 4.13	$ 4.07
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 12.69	$ 11.65	$ 11.44	$ 10.92	$ 10.92	$ 9.81	$ 9.33	$ 9.18	$ 8.92	$ 8.93	$ 8.40	$ 8.62
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.40	$ 2.35	$ 2.71	$ 3.39	$ 3.84	$ 4.12	$ 4.81	$ 5.03	$ 4.99	$ 4.81	$ 4.59	$ 4.36
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.30	$ 3.19	$ 2.41	$ 3.05	$ 3.69	$ 4.10	$ 4.29	$ 4.15	$ 3.95	$ 3.76	$ 3.57	$ 3.39	$ 3.20
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.95	$ 2.86	$ 3.37	$ 3.63	$ 3.98	$ 4.30	$ 4.16	$ 4.53	$ 3.51	$ 3.38	$ 3.28	$ 3.17	$ 3.05
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.89	$ 1.30	$ 1.60	$ 1.75	$ 1.74	$ 1.69	$ 1.54	$ 1.60	$ 1.56	$ 1.52	$ 1.48
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.11	$ 0.71	$ 0.69	$ 0.65	$ 0.60	$ 0.56	$ 0.53	$ 0.50	$ 0.47	$ 0.44	$ 0.41	$ 0.39
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 2.97	$ 2.88	$ 2.51	$ 2.42	$ 1.83	$ 1.67	$ 1.66	$ 1.35	$ 0.99	$ 0.32	$ 0.16	$ 0.08
Additional Resources in Plan C																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 0.51	$ 1.56	$ 2.83	$ 2.19	$ 1.80	$ 1.57	$ 1.38	$ 1.26	$ 1.28	$ 1.32	$ 1.38	$ 1.43	$ 1.42
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.08	$ 0.25	$ 0.23	$ 0.20	$ 0.20	$ 0.18	$ 0.17	$ 0.15	$ 0.14	$ 0.14	$ 0.12	$ 0.11	$ 0.10	$ 0.09
RPS Program-Related Resources Plan C																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.18	$ 3.22	$ 2.33	$ 2.04	$ 1.64	$ 2.54	$ 3.02	$ 3.35	$ 3.77	$ 4.11	$ 4.57	$ 5.10
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 2.93	$ 4.42	$ 5.70	$ 6.34	$ 7.58	$ 9.46	$ 11.26	$ 12.78	$ 14.12	$ 15.40	$ 16.65	$ 17.84	$ 18.97
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.24)	$ (0.92)	$ (0.87)	$ (0.93)	$ (1.18)	$ (1.75)	$ (2.33)	$ (2.85)	$ (3.45)	$ (4.00)	$ (4.59)	$ (5.18)	$ (5.74)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.79)	$ (0.35)	$ (0.31)	$ (0.34)	$ (0.62)	$ (0.83)	$ (0.99)	$ (1.16)	$ (1.34)	$ (1.52)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.14)	$ (0.22)	$ (0.33)	$ (0.53)	$ (0.76)	$ (0.96)	$ (1.09)	$ (1.15)	$ (1.31)	$ (1.48)	$ (1.65)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 2.68	$ 3.46	$ 4.69	$ 4.40	$ 5.72	$ 6.87	$ 7.83	$ 8.34	$ 8.75	$ 9.27	$ 9.59	$ 9.85	$ 10.05
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.21	$ 0.57	$ 1.14	$ 1.14	$ 1.28	$ 1.70	$ 2.12	$ 2.55	$ 2.99	$ 3.45	$ 3.90	$ 4.37	$ 4.83
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.35)	$ (0.41)	$ (0.79)	$ (0.85)	$ (0.77)	$ (0.86)	$ (1.17)	$ (1.48)	$ (1.76)	$ (2.08)	$ (2.37)	$ (2.69)	$ (3.01)	$ (3.31)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.79)	$ (0.29)	$ (0.23)	$ (0.23)	$ (0.40)	$ (0.51)	$ (0.60)	$ (0.69)	$ (0.79)	$ (0.89)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.03)	$ (0.10)	$ (0.16)	$ (0.22)	$ (0.34)	$ (0.47)	$ (0.59)	$ (0.66)	$ (0.69)	$ (0.78)	$ (0.88)	$ (0.97)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.21)	$ (0.26)	$ 0.19	$ (0.57)	$ (0.10)	$ (0.04)	$ (0.05)	$ (0.19)	$ (0.26)	$ (0.21)	$ (0.27)	$ (0.31)	$ (0.34)
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 5.97	$ 8.88	$ 10.76	$ 16.14	$ 14.97	$ 14.07	$ 12.80	$ 12.00	$ 11.68	$ 10.99	$ 10.47	$ 10.21
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.31)	$ (2.73)	$ (2.78)	$ (2.84)	$ (2.87)	$ (2.91)	$ (2.92)	$ (2.94)	$ (2.96)	$ (2.99)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.11)	$ (0.81)	$ (0.60)	$ (0.83)	$ (0.89)	$ (0.89)	$ (0.90)	$ (0.91)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.38)	$ (0.41)	$ (0.46)	$ (0.49)	$ (0.53)	$ (0.53)	$ (0.55)	$ (0.57)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 5.97	$ 8.88	$ 10.45	$ 12.91	$ 10.97	$ 10.18	$ 8.61	$ 7.69	$ 7.35	$ 6.60	$ 6.04	$ 5.72
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.09	$ 0.23	$ 0.45	$ 0.81
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.51	$ 9.01	$ 12.36	$ 16.98	$ 16.61	$ 20.57	$ 19.44	$ 20.50	$ 19.78	$ 19.53	$ 20.26	$ 20.26	$ 20.60	$ 21.34
PLAN C TOTAL	$ 122.66	$ 116.18	$ 116.54	$ 120.32	$ 140.28	$ 162.16	$ 151.27	$ 150.82	$ 151.22	$ 157.34	$ 156.88	$ 157.58	$ 158.01	$ 157.52	$ 158.39	$ 158.57	$ 159.11	$ 160.59
CAGR PLAN C (2019 BASE)													2.3%					1.7%
CAGR PLAN C (MAY 2020 BASE)													2.9%					2.1%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

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Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL BILL PROJECTION - PLAN D, COMPANY METHODOLOGY

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.43)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 18.60	$ 12.91	$ 17.36	$ 17.09	$ 17.75	$ 18.29	$ 18.40	$ 18.05	$ 18.01	$ 17.99	$ 17.98	$ 18.00	$ 18.04	$ 18.05	$ 18.02
FUEL	$ 23.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 22.10	$ 22.00	$ 23.41	$ 24.16	$ 24.99	$ 25.94	$ 27.25	$ 28.41	$ 30.05	$ 31.78	$ 32.97
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.81	$ 4.20	$ 4.68	$ 4.67	$ 4.67	$ 4.49	$ 4.45	$ 4.39	$ 4.32	$ 4.25	$ 4.20	$ 4.13	$ 4.07
RIDER PIPP - UNIVERSAL SERVICE FEE [3]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 12.69	$ 11.65	$ 11.44	$ 10.92	$ 10.92	$ 9.82	$ 9.33	$ 9.18	$ 8.92	$ 8.93	$ 8.40	$ 8.62
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.40	$ 2.35	$ 2.71	$ 3.39	$ 3.84	$ 4.12	$ 4.81	$ 5.03	$ 4.99	$ 4.81	$ 4.59	$ 4.36
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.18	$ 0.30	$ 3.19	$ 2.41	$ 3.05	$ 3.69	$ 4.10	$ 4.29	$ 4.15	$ 3.95	$ 3.76	$ 3.57	$ 3.39	$ 3.20
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.85	$ 2.86	$ 3.37	$ 3.63	$ 3.98	$ 4.30	$ 4.16	$ 4.53	$ 3.51	$ 3.38	$ 3.28	$ 3.17	$ 3.05
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.89	$ 1.30	$ 1.60	$ 1.75	$ 1.74	$ 1.69	$ 1.64	$ 1.60	$ 1.56	$ 1.52	$ 1.48
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.11	$ 0.71	$ 0.69	$ 0.65	$ 0.60	$ 0.56	$ 0.53	$ 0.50	$ 0.47	$ 0.44	$ 0.41	$ 0.39
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 2.97	$ 2.88	$ 2.51	$ 2.42	$ 1.83	$ 1.67	$ 1.66	$ 1.35	$ 0.99	$ 0.52	$ 0.16	$ 0.08
Additional Resources in Plan D																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 0.31	$ 1.56	$ 2.83	$ 2.19	$ 1.80	$ 1.57	$ 1.38	$ 1.28	$ 1.28	$ 1.32	$ 1.38	$ 1.43	$ 1.42
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.04	$ 0.14	$ 0.10	$ 0.09	$ 0.10	$ 0.09	$ 0.08	$ 0.11	$ 0.09	$ 0.08	$ 0.07	$ 0.06	$ 0.05	$ 0.15
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.08	$ 0.25	$ 0.23	$ 0.20	$ 0.20	$ 0.18	$ 0.17	$ 0.15	$ 0.14	$ 0.14	$ 0.12	$ 0.11	$ 0.10	$ 0.09
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.05	$ 0.18	$ 0.08	$ 0.07	$ 0.07	$ 0.07	$ 0.07	$ 0.07	$ 0.07	$ 0.07	$ 0.06	$ 0.05	$ 0.06
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.05	$ 0.18	$ 0.15	$ 0.13	$ 0.13	$ 0.12	$ 0.11	$ 0.11	$ 0.10	$ 0.09	$ 0.08	$ 0.08	$ 0.10	$ 0.10
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.02	$ 0.17	$ 0.13	$ 0.11	$ 0.12	$ 0.12	$ 0.11	$ 0.11	$ 0.09	$ 0.09	$ 0.09	$ 0.08	$ 0.08	$ 0.08
RPS Program-Related Resources Plan D																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.18	$ 3.22	$ 2.37	$ 2.04	$ 1.72	$ 2.36	$ 2.94	$ 3.33	$ 3.73	$ 4.06	$ 4.50	$ 4.97
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 3.20	$ 5.02	$ 7.81	$ 10.53	$ 12.96	$ 15.22	$ 17.50	$ 19.48	$ 21.36	$ 23.22	$ 25.05	$ 26.89	$ 28.75
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.24)	$ (0.93)	$ (0.95)	$ (1.47)	$ (1.93)	$ (2.48)	$ (3.07)	$ (3.60)	$ (4.20)	$ (4.74)	$ (5.34)	$ (5.93)	$ (6.43)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.78	$ 0.58	$ 0.45	$ 0.40	$ 0.64	$ 0.87	$ 1.06	$ 1.25	$ 1.41	$ 1.47
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.15)	$ (0.37)	$ (0.60)	$ (0.85)	$ (1.16)	$ (1.48)	$ (1.74)	$ (1.94)	$ (2.24)	$ (2.57)	$ (2.90)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 2.96	$ 4.06	$ 6.72	$ 9.48	$ 11.00	$ 12.83	$ 13.67	$ 15.05	$ 16.29	$ 17.60	$ 18.72	$ 19.80	$ 20.89
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.22	$ 0.58	$ 1.18	$ 1.67	$ 2.14	$ 2.62	$ 3.11	$ 3.60	$ 4.13	$ 4.70	$ 5.26	$ 5.85	$ 6.44
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.35)	$ (0.43)	$ (0.81)	$ (0.88)	$ (1.08)	$ (1.33)	$ (1.62)	$ (1.88)	$ (2.11)	$ (2.39)	$ (2.63)	$ (2.91)	$ (3.18)	$ (3.43)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.78	$ 0.44	$ 0.31	$ 0.27	$ 0.40	$ 0.52	$ 0.61	$ 0.70	$ 0.76	$ 0.74
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.03)	$ (0.11)	$ (0.24)	$ (0.37)	$ (0.51)	$ (0.68)	$ (0.85)	$ (1.00)	$ (1.10)	$ (1.26)	$ (1.43)	$ (1.61)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.21)	$ (0.26)	$ 0.20	$ 1.12	$ 0.87	$ 0.81	$ 0.82	$ 1.04	$ 1.26	$ 1.58	$ 1.79	$ 2.00	$ 2.14
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.10	$ 9.01	$ 10.88	$ 16.82	$ 15.34	$ 15.10	$ 15.71	$ 17.57	$ 20.01	$ 21.40	$ 26.32	$ 25.24
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.31)	$ (2.73)	$ (2.78)	$ (2.84)	$ (2.87)	$ (2.91)	$ (2.92)	$ (3.28)	$ (5.94)	$ (5.99)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.11	$ 0.73	$ 0.57	$ 0.72	$ 0.82	$ 0.86	$ 0.90	$ 0.96	$ 1.35
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.38)	$ (0.41)	$ (0.46)	$ (0.49)	$ (0.53)	$ (0.59)	$ (0.55)	$ (1.14)	$ (1.18)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.10	$ 9.01	$ 10.58	$ 13.91	$ 12.87	$ 12.58	$ 13.07	$ 14.96	$ 17.43	$ 18.47	$ 20.21	$ 19.42
NUCLEAR SMALL MODULAR REACTORS [10]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.09	$ 0.32	$ 0.77	$ 1.50
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ 0.37	$ 4.51	$ 9.28	$ 13.07	$ 19.14	$ 23.55	$ 27.22	$ 27.78	$ 29.22	$ 32.10	$ 35.84	$ 40.43	$ 43.36	$ 47.27	$ 48.92	
PLAN D TOTAL	$ 122.66	$ 116.18	$ 116.54	$ 120.92	$ 140.39	$ 162.95	$ 152.55	$ 153.21	$ 158.47	$ 164.54	$ 165.70	$ 166.79	$ 170.72	$ 174.13	$ 178.77	$ 182.18	$ 186.53	$ 188.88
CAGR PLAN D (2019 BASE)													3.1%					2.7%
CAGR PLAN D (MAY 2020 BASE)													3.7%					3.2%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] *Includes all approved and anticipated phases of distribution infrastructure as of July 2022.*
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore Wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

Rate Outlook 2020 to 2035

RESIDENTIAL BILL PROJECTION - PLAN E, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval,
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.95	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.48)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 16.60	$ 12.91	$ 17.36	$ 17.03	$ 17.75	$ 18.28	$ 18.40	$ 18.05	$ 18.01	$ 17.99	$ 17.98	$ 18.00	$ 18.04	$ 18.05	$ 18.02
FUEL	$ 25.25	$ 17.36	$ 17.02	$ 20.45	$ 35.58	$ 49.09	$ 29.37	$ 22.32	$ 22.23	$ 23.67	$ 24.49	$ 25.43	$ 26.46	$ 27.86	$ 29.03	$ 30.34	$ 31.78	$ 33.04
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.81	$ 4.20	$ 4.68	$ 4.67	$ 4.67	$ 4.49	$ 4.45	$ 4.39	$ 4.32	$ 4.25	$ 4.20	$ 4.13	$ 4.07
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.81	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 12.69	$ 11.65	$ 11.44	$ 10.92	$ 10.92	$ 9.82	$ 9.33	$ 9.18	$ 8.92	$ 8.93	$ 8.40	$ 8.62
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.40	$ 2.35	$ 2.71	$ 3.39	$ 3.84	$ 4.12	$ 4.81	$ 5.03	$ 4.99	$ 4.81	$ 4.59	$ 4.56
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.30	$ 3.19	$ 2.41	$ 3.05	$ 3.69	$ 4.10	$ 4.29	$ 4.15	$ 3.95	$ 3.76	$ 3.57	$ 3.39	$ 3.20
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.95	$ 2.86	$ 3.37	$ 3.63	$ 3.98	$ 4.30	$ 4.16	$ 4.53	$ 3.51	$ 3.38	$ 3.28	$ 3.17	$ 3.05
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.89	$ 1.30	$ 1.60	$ 1.75	$ 1.74	$ 1.69	$ 1.64	$ 1.60	$ 1.56	$ 1.52	$ 1.48
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.11	$ 0.71	$ 0.69	$ 0.65	$ 0.60	$ 0.56	$ 0.53	$ 0.50	$ 0.47	$ 0.44	$ 0.41	$ 0.39
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 2.97	$ 2.88	$ 2.51	$ 2.42	$ 1.83	$ 1.67	$ 1.66	$ 1.35	$ 0.99	$ 0.32	$ 0.16	$ 0.08
Additional Resources in Plan E																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 0.51	$ 1.56	$ 2.83	$ 2.18	$ 1.80	$ 1.57	$ 1.38	$ 1.26	$ 1.28	$ 1.32	$ 1.38	$ 1.45	$ 1.42
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.04	$ 0.14	$ 0.10	$ 0.09	$ 0.10	$ 0.09	$ 0.08	$ 0.11	$ 0.09	$ 0.08	$ 0.07	$ 0.06	$ 0.05	$ 0.15
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.08	$ 0.25	$ 0.23	$ 0.20	$ 0.20	$ 0.18	$ 0.17	$ 0.15	$ 0.14	$ 0.14	$ 0.12	$ 0.11	$ 0.10	$ 0.09
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.05	$ 0.18	$ 0.08	$ 0.07	$ 0.07	$ 0.07	$ 0.07	$ 0.07	$ 0.07	$ 0.07	$ 0.06	$ 0.05	$ 0.06
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.05	$ 0.18	$ 0.15	$ 0.13	$ 0.13	$ 0.12	$ 0.11	$ 0.11	$ 0.10	$ 0.09	$ 0.08	$ 0.10	$ 0.10	$ 0.10
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.02	$ 0.17	$ 0.13	$ 0.11	$ 0.12	$ 0.12	$ 0.11	$ 0.11	$ 0.09	$ 0.09	$ 0.08	$ 0.08	$ 0.08	$ 0.08
RPS Program-Related Resources Plan E																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.18	$ 3.22	$ 2.57	$ 2.04	$ 1.72	$ 2.30	$ 2.90	$ 3.82	$ 3.70	$ 4.01	$ 4.43	$ 4.93
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 3.22	$ 5.12	$ 8.57	$ 12.13	$ 15.95	$ 18.95	$ 21.85	$ 24.31	$ 26.54	$ 28.70	$ 30.81	$ 32.87	$ 34.88
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.24)	$ (0.92)	$ (0.90)	$ (1.61)	$ (2.21)	$ (2.91)	$ (3.63)	$ (4.28)	$ (5.03)	$ (5.71)	$ (6.46)	$ (7.19)	$ (7.84)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.76)	$ (0.62)	$ (0.51)	$ (0.44)	$ (0.67)	$ (0.91)	$ (1.11)	$ (1.30)	$ (1.46)	$ (1.85)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.14)	$ (0.43)	$ (0.75)	$ (1.10)	$ (1.51)	$ (1.94)	$ (2.31)	$ (2.53)	$ (2.90)	$ (3.27)	$ (3.65)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 2.98	$ 4.16	$ 7.53	$ 9.33	$ 12.58	$ 14.42	$ 16.26	$ 17.41	$ 18.29	$ 19.34	$ 20.14	$ 20.95	$ 21.54
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.21	$ 0.57	$ 1.17	$ 1.86	$ 2.52	$ 3.16	$ 3.81	$ 4.47	$ 5.14	$ 5.85	$ 6.55	$ 7.27	$ 7.99
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.35)	$ (0.41)	$ (0.79)	$ (0.87)	$ (1.13)	$ (1.44)	$ (1.77)	$ (2.12)	$ (2.41)	$ (2.77)	$ (3.09)	$ (3.44)	$ (3.79)	$ (4.12)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.76)	$ (0.43)	$ (0.84)	$ (0.27)	$ (0.40)	$ (0.52)	$ (0.62)	$ (0.72)	$ (0.79)	$ (0.96)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.03)	$ (0.10)	$ (0.28)	$ (0.43)	$ (0.64)	$ (0.87)	$ (1.10)	$ (1.30)	$ (1.42)	$ (1.62)	$ (1.81)	$ (2.01)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.21)	$ (0.26)	$ 0.20	$ (0.31)	$ 0.17	$ 0.40	$ 0.55	$ 0.58	$ 0.55	$ 0.72	$ 0.78	$ 0.87	$ 0.89
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 5.97	$ 8.88	$ 10.76	$ 13.14	$ 14.97	$ 14.07	$ 12.80	$ 11.77	$ 11.40	$ 10.63	$ 10.02	$ 9.63
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.31)	$ (2.73)	$ (2.78)	$ (2.84)	$ (2.87)	$ (2.91)	$ (2.92)	$ (2.94)	$ (2.96)	$ (2.99)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.11)	$ (0.64)	$ (0.58)	$ (0.64)	$ (0.75)	$ (0.79)	$ (0.82)	$ (0.85)	$ (0.85)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.38)	$ (0.41)	$ (0.46)	$ (0.49)	$ (0.53)	$ (0.55)	$ (0.55)	$ (0.57)	$ (0.59)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 5.97	$ 8.88	$ 10.45	$ 12.91	$ 13.14	$ 10.20	$ 8.80	$ 7.39	$ 7.17	$ 6.33	$ 5.66	$ 5.21
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.09	$ 0.32	$ 0.77	$ 1.50
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.51	$ 9.30	$ 13.05	$ 19.83	$ 21.84	$ 27.49	$ 27.68	$ 29.31	$ 29.06	$ 29.75	$ 31.01	$ 31.58	$ 32.69	$ 34.07
PLAN E TOTAL	$ 122.66	$ 118.18	$ 118.54	$ 120.92	$ 140.39	$ 162.88	$ 152.53	$ 154.11	$ 157.00	$ 165.07	$ 165.99	$ 167.92	$ 168.81	$ 168.64	$ 169.98	$ 170.69	$ 171.94	$ 174.09
CAGR PLAN E (2019 BASE)													2.9%					2.2%
CAGR PLAN E (MAY 2020 BASE)													3.6%					2.6%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

SMALL GENERAL BILL PROJECTION - PLAN A, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 78.26	$ 80.57	$ 84.01	$ 86.58	$ 87.06	$ 85.43	$ 85.22	$ 85.12	$ 85.07	$ 85.17	$ 85.37	$ 85.42	$ 85.28
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 140.92	$ 142.15	$ 157.15	$ 166.45	$ 175.44	$ 185.20	$ 196.14	$ 206.17	$ 216.61	$ 228.05	$ 238.73
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.07	$ 16.33	$ 17.34	$ 16.42	$ 15.40	$ 14.41	$ 13.57	$ 12.79	$ 12.17	$ 11.52	$ 10.95	$ 10.38	$ 9.84
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 62.52	$ 41.49	$ 40.09	$ 37.82	$ 38.55	$ 36.67	$ 34.98	$ 34.52	$ 33.78	$ 34.13	$ 31.65	$ 32.32
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 7.27	$ 12.19	$ 14.06	$ 17.58	$ 19.93	$ 21.37	$ 24.95	$ 26.12	$ 25.90	$ 24.94	$ 23.80	$ 22.60
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.58	$ 10.51	$ 12.58	$ 14.30	$ 15.45	$ 15.40	$ 14.20	$ 13.08	$ 11.97	$ 10.96	$ 10.01	$ 9.07
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.57	$ 10.97	$ 12.31	$ 12.58	$ 12.94	$ 13.62	$ 12.52	$ 13.03	$ 9.76	$ 9.06	$ 8.44	$ 7.84	$ 7.26
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.30	$ 3.88	$ 5.35	$ 6.20	$ 6.61	$ 6.23	$ 5.80	$ 5.44	$ 5.09	$ 4.79	$ 4.49	$ 4.20
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.76	$ 3.70	$ 3.56	$ 3.38	$ 3.13	$ 2.93	$ 2.75	$ 2.58	$ 2.42	$ 2.29	$ 2.15	$ 2.01
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 17.79	$ 17.26	$ 15.07	$ 14.52	$ 10.97	$ 10.03	$ 9.97	$ 8.07	$ 5.91	$ 1.91	$ 0.98	$ 0.46
Additional Resources in Plan A																		
GAS CT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.52	$ 1.67	$ 3.39	$ 5.47	$ 8.89	$ 11.75	$ 13.83
VCHEC 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.52	$ 36.42	$ 35.61	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
BIOMASS 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ -	$ 3.59	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RPS Program-Related Resources Plan A																		
RIDER RPS [4]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.00	$ 19.24	$ 13.73	$ 12.22	$ 10.07	$ 14.69	$ 17.86	$ 20.05	$ 22.51	$ 24.55	$ 27.26	$ 30.43
RIDER CE [5]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 7.93	$ 14.71	$ 14.27	$ 13.17	$ 12.23	$ 11.32	$ 10.75	$ 10.23	$ 9.75	$ 9.31	$ 8.92	$ 8.56	$ 8.18
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.22)	$ (1.28)	$ (5.33)	$ (3.44)	$ (3.06)	$ (2.97)	$ (2.95)	$ (2.94)	$ (2.89)	$ (2.90)	$ (2.87)	$ (2.89)	$ (2.89)	$ (2.87)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.06)	$ (1.02)	$ (0.75)	$ (0.52)	$ (0.71)	$ (0.79)	$ (0.82)	$ (0.85)	$ (0.86)	$ (0.88)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.21)	$ (0.49)	$ (0.62)	$ (0.74)	$ (0.86)	$ (0.97)	$ (1.09)	$ (1.15)	$ (1.20)	$ (1.25)	$ (1.29)	$ (1.33)	
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.19	$ 6.63	$ 9.17	$ 10.34	$ 5.44	$ 7.49	$ 6.76	$ 6.32	$ 5.55	$ 4.91	$ 4.42	$ 3.94	$ 3.53	$ 3.09
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.24	$ 2.83	$ 6.04	$ 13.67	$ 21.06	$ 28.19	$ 35.36	$ 42.61	$ 49.95	$ 57.65	$ 65.26	$ 73.08	$ 80.89
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.06)	$ (2.26)	$ (4.25)	$ (4.94)	$ (9.44)	$ (14.05)	$ (18.79)	$ (23.62)	$ (27.94)	$ (32.96)	$ (37.51)	$ (42.50)	$ (47.43)	$ (52.16)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.67)	$ (3.13)	$ (3.44)	$ (3.33)	$ (5.56)	$ (7.42)	$ (8.98)	$ (10.68)	$ (12.22)	$ (14.10)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.53)	$ (1.66)	$ (3.17)	$ (4.72)	$ (6.46)	$ (7.84)	$ (8.59)	$ (8.72)	$ (9.99)	$ (11.27)	$ (12.57)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.43)	$ (1.07)	$ (1.60)	$ 0.57	$ (2.10)	$ 0.71	$ 1.24	$ 1.95	$ 1.27	$ 0.98	$ 2.44	$ 2.08	$ 2.16	$ 2.06
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 30.91	$ 45.98	$ 55.72	$ 83.58	$ 77.56	$ 72.87	$ 66.29	$ 60.97	$ 59.07	$ 55.09	$ 51.89	$ 49.67
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.84)	$ (16.40)	$ (16.67)	$ (17.01)	$ (17.21)	$ (17.43)	$ (17.50)	$ (17.63)	$ (17.77)	$ (17.91)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.64)	$ (4.37)	$ (3.43)	$ (4.42)	$ (5.06)	$ (5.37)	$ (5.57)	$ (5.66)	$ (4.79)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.99)	$ (2.14)	$ (2.36)	$ (2.55)	$ (2.72)	$ (2.72)	$ (2.83)	$ (2.94)	$ (3.04)
TOTAL OFFSHORE WIND	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 30.91	$ 45.98	$ 53.88	$ 64.56	$ 54.37	$ 50.07	$ 42.11	$ 35.76	$ 33.48	$ 29.06	$ 25.52	$ 23.93	
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.43	$ 39.51	$ 57.49	$ 76.13	$ 70.94	$ 84.99	$ 72.44	$ 73.04	$ 66.80	$ 61.70	$ 62.84	$ 59.62	$ 58.48	$ 59.51
PLAN A TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 671.01	$ 829.48	$ 757.44	$ 686.20	$ 685.84	$ 717.82	$ 713.46	$ 719.41	$ 723.73	$ 724.52	$ 731.78	$ 735.37	$ 741.47	$ 751.59
CAGR PLAN A (2019 BASE)													2.1%					1.7%
CAGR PLAN A (MAY 2020 BASE)													2.9%					2.2%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.

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Rate Outlook 2020 to 2035

SMALL GENERAL BILL PROJECTION - PLAN B, COMPANY METHODOLOGY

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Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 78.26	$ 80.57	$ 84.01	$ 86.58	$ 87.06	$ 85.43	$ 85.22	$ 85.12	$ 85.07	$ 85.17	$ 85.37	$ 85.42	$ 85.28
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 132.55	$ 131.92	$ 140.32	$ 144.70	$ 149.59	$ 155.16	$ 162.96	$ 169.78	$ 179.56	$ 189.82	$ 197.19
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.07	$ 16.33	$ 17.34	$ 16.42	$ 15.40	$ 14.41	$ 13.57	$ 12.79	$ 12.17	$ 11.52	$ 10.95	$ 10.38	$ 9.84
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 62.52	$ 60.41	$ 59.35	$ 56.65	$ 56.64	$ 50.93	$ 48.38	$ 47.65	$ 46.27	$ 46.37	$ 43.60	$ 44.72
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 7.27	$ 12.19	$ 14.06	$ 17.58	$ 19.93	$ 21.37	$ 24.95	$ 26.12	$ 25.90	$ 24.94	$ 23.80	$ 22.60
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.58	$ 10.51	$ 12.58	$ 14.30	$ 15.45	$ 15.40	$ 14.20	$ 13.08	$ 11.97	$ 10.96	$ 10.01	$ 9.07
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.57	$ 10.97	$ 12.31	$ 12.58	$ 12.94	$ 13.62	$ 12.52	$ 13.03	$ 9.76	$ 9.06	$ 8.44	$ 7.84	$ 7.26
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.30	$ 3.88	$ 5.35	$ 6.20	$ 6.61	$ 6.23	$ 5.80	$ 5.44	$ 5.09	$ 4.79	$ 4.49	$ 4.20
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.76	$ 3.70	$ 3.56	$ 3.38	$ 3.13	$ 2.93	$ 2.75	$ 2.58	$ 2.42	$ 2.29	$ 2.15	$ 2.01
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 17.79	$ 17.26	$ 15.07	$ 14.52	$ 10.97	$ 10.03	$ 9.97	$ 8.07	$ 5.91	$ 1.91	$ 0.98	$ 0.46
Additional Resources in Plan B																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 2.02	$ 6.05	$ 10.49	$ 7.70	$ 5.95	$ 5.03	$ 4.21	$ 3.68	$ 3.60	$ 3.57	$ 3.60	$ 3.59	$ 3.43
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 1.53	$ 1.09	$ 1.03	$ 1.01	$ 0.92	$ 0.87	$ 0.79	$ 0.75	$ 0.70	$ 0.64	$ 0.58	$ 0.53	$ 0.47
RPS Program-Related Resources Plan B																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.07	$ 19.33	$ 14.23	$ 12.22	$ 10.30	$ 14.19	$ 17.66	$ 20.00	$ 22.43	$ 24.43	$ 27.11	$ 30.01
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 15.20	$ 25.97	$ 40.15	$ 53.85	$ 65.62	$ 75.37	$ 85.22	$ 93.67	$ 101.65	$ 109.62	$ 117.59	$ 125.21	$ 131.77
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.23)	$ (1.44)	$ (5.56)	$ (5.68)	$ (8.82)	$ (11.53)	$ (14.35)	$ (17.36)	$ (20.00)	$ (23.06)	$ (25.82)	$ (28.88)	$ (31.88)	$ (34.76)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.72)	$ (3.46)	$ (2.69)	$ (2.35)	$ (3.73)	$ (5.02)	$ (6.06)	$ (7.13)	$ (7.97)	$ (8.05)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.21)	$ (0.74)	$ (1.91)	$ (3.11)	$ (4.38)	$ (5.96)	$ (7.55)	$ (8.91)	$ (9.85)	$ (11.39)	$ (13.03)	$ (14.71)	
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.17	$ 13.73	$ 20.20	$ 33.73	$ 38.41	$ 47.51	$ 53.95	$ 59.54	$ 62.39	$ 64.67	$ 67.90	$ 70.19	$ 72.32	$ 74.24
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.30	$ 3.36	$ 6.80	$ 9.62	$ 12.35	$ 15.13	$ 17.93	$ 20.75	$ 23.76	$ 26.98	$ 30.15	$ 33.49	$ 36.83
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.07)	$ (2.57)	$ (4.86)	$ (5.26)	$ (6.46)	$ (8.00)	$ (9.70)	$ (11.30)	$ (12.63)	$ (14.33)	$ (15.81)	$ (17.45)	$ (19.06)	$ (20.58)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.66)	$ (2.62)	$ (1.86)	$ (1.63)	$ (2.44)	$ (3.20)	$ (3.79)	$ (4.39)	$ (4.82)	$ (4.63)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.55)	$ (1.25)	$ (1.91)	$ (2.63)	$ (3.52)	$ (4.42)	$ (5.17)	$ (5.68)	$ (6.53)	$ (7.43)	$ (8.35)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.44)	$ (1.33)	$ (1.67)	$ 0.99	$ (2.75)	$ (0.17)	$ 0.94	$ 1.48	$ 1.26	$ 1.05	$ 1.70	$ 1.78	$ 2.19	$ 3.27
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 31.58	$ 46.64	$ 56.37	$ 84.52	$ 79.45	$ 78.21	$ 81.37	$ 91.01	$ 103.69	$ 110.87	$ 136.38	$ 130.75
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.84)	$ (16.40)	$ (16.67)	$ (17.01)	$ (17.21)	$ (17.43)	$ (17.50)	$ (19.66)	$ (35.62)	$ (35.91)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.64)	$ (4.37)	$ (3.43)	$ (4.42)	$ (5.06)	$ (5.37)	$ (5.57)	$ (6.12)	$ (8.79)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.99)	$ (2.14)	$ (2.36)	$ (2.55)	$ (2.72)	$ (2.72)	$ (2.83)	$ (5.89)	$ (6.10)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 31.58	$ 46.64	$ 54.53	$ 65.50	$ 56.26	$ 55.41	$ 57.20	$ 65.80	$ 78.10	$ 82.81	$ 88.75	$ 79.96
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.46	$ 1.65
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.40	$ 46.36	$ 69.18	$ 100.69	$ 104.41	$ 125.06	$ 121.46	$ 130.63	$ 138.50	$ 151.51	$ 170.12	$ 179.21	$ 190.83	$ 189.13
PLAN B TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 670.46	$ 803.46	$ 737.07	$ 732.83	$ 737.06	$ 766.74	$ 764.72	$ 769.89	$ 781.56	$ 795.19	$ 813.89	$ 825.44	$ 839.91	$ 842.14
CAGR PLAN B (2019 BASE)													2.8%					2.4%
CAGR PLAN B (MAY 2020 BASE)													3.7%					3.0%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] *Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.*
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
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Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL BILL PROJECTION - PLAN C, COMPANY METHODOLOGY

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 78.26	$ 80.57	$ 84.01	$ 86.58	$ 87.06	$ 85.43	$ 85.22	$ 85.12	$ 85.07	$ 85.17	$ 85.37	$ 85.42	$ 85.28
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 133.69	$ 132.67	$ 139.43	$ 143.92	$ 149.30	$ 155.47	$ 163.75	$ 171.08	$ 179.02	$ 187.95	$ 195.88
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.07	$ 16.33	$ 17.34	$ 16.42	$ 15.40	$ 14.41	$ 13.57	$ 12.79	$ 12.17	$ 11.52	$ 10.95	$ 10.38	$ 9.84
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 62.52	$ 60.41	$ 59.34	$ 56.66	$ 56.63	$ 50.92	$ 48.37	$ 47.65	$ 46.27	$ 46.37	$ 43.60	$ 44.71
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 7.27	$ 12.19	$ 14.06	$ 17.58	$ 19.93	$ 21.37	$ 24.95	$ 26.12	$ 25.90	$ 24.94	$ 23.80	$ 22.60
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.58	$ 10.51	$ 12.58	$ 14.30	$ 15.45	$ 15.40	$ 14.20	$ 13.08	$ 11.97	$ 10.96	$ 10.01	$ 9.07
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.57	$ 10.97	$ 12.31	$ 12.58	$ 12.94	$ 13.62	$ 12.52	$ 13.03	$ 9.76	$ 9.06	$ 8.44	$ 7.84	$ 7.26
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.30	$ 3.88	$ 5.35	$ 6.20	$ 6.61	$ 6.23	$ 5.80	$ 5.44	$ 5.09	$ 4.79	$ 4.49	$ 4.20
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.76	$ 3.70	$ 3.56	$ 3.38	$ 3.13	$ 2.93	$ 2.75	$ 2.58	$ 2.42	$ 2.29	$ 2.15	$ 2.01
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 17.79	$ 17.26	$ 15.07	$ 14.52	$ 10.97	$ 10.03	$ 9.97	$ 8.07	$ 5.91	$ 1.91	$ 0.98	$ 0.46
Additional Resources in Plan C																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 2.02	$ 6.05	$ 10.49	$ 7.70	$ 5.95	$ 5.03	$ 4.21	$ 3.68	$ 3.60	$ 3.57	$ 3.60	$ 3.59	$ 3.43
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.32	$ 1.18	$ 1.09	$ 1.03	$ 1.01	$ 0.92	$ 0.87	$ 0.79	$ 0.75	$ 0.70	$ 0.64	$ 0.58	$ 0.53	$ 0.47
RPS Program-Related Resources Plan C																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.07	$ 19.31	$ 13.99	$ 12.22	$ 9.86	$ 15.26	$ 18.11	$ 20.12	$ 22.62	$ 24.68	$ 27.42	$ 30.58
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 13.88	$ 22.90	$ 29.51	$ 32.84	$ 39.25	$ 48.98	$ 58.30	$ 66.22	$ 73.15	$ 79.81	$ 86.28	$ 92.44	$ 98.27
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.23)	$ (1.43)	$ (5.54)	$ (5.20)	$ (5.59)	$ (7.07)	$ (10.48)	$ (13.95)	$ (17.11)	$ (20.68)	$ (23.97)	$ (27.54)	$ (31.07)	$ (34.46)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.76)	$ (2.11)	$ (1.85)	$ (2.02)	$ (3.74)	$ (4.96)	$ (5.95)	$ (6.97)	$ (8.03)	$ (9.14)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.21)	$ (0.70)	$ (1.13)	$ (1.70)	$ (2.77)	$ (3.95)	$ (4.99)	$ (5.66)	$ (5.95)	$ (6.81)	$ (7.67)	$ (8.54)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.17	$ 12.43	$ 17.15	$ 23.60	$ 21.36	$ 28.37	$ 33.88	$ 38.38	$ 40.37	$ 41.85	$ 43.94	$ 44.96	$ 45.67	$ 46.12
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.24	$ 3.28	$ 6.60	$ 6.59	$ 7.38	$ 9.85	$ 12.37	$ 14.90	$ 17.48	$ 20.16	$ 22.83	$ 25.57	$ 28.30
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.07)	$ (2.45)	$ (4.74)	$ (5.11)	$ (4.59)	$ (5.18)	$ (7.01)	$ (8.88)	$ (10.55)	$ (12.49)	$ (14.23)	$ (16.16)	$ (18.06)	$ (19.88)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.73)	$ (1.76)	$ (1.36)	$ (1.35)	$ (2.38)	$ (3.06)	$ (3.58)	$ (4.14)	$ (4.71)	$ (5.31)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.53)	$ (0.84)	$ (1.15)	$ (1.76)	$ (2.44)	$ (3.04)	$ (3.42)	$ (3.59)	$ (4.06)	$ (4.54)	$ (5.03)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.44)	$ (1.26)	$ (1.63)	$ 0.97	$ (3.57)	$ (0.71)	$ (0.28)	$ (0.30)	$ (1.06)	$ (1.49)	$ (1.24)	$ (1.54)	$ (1.75)	$ (1.92)
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 30.91	$ 45.98	$ 55.72	$ 83.58	$ 77.56	$ 72.86	$ 66.29	$ 62.18	$ 60.49	$ 56.91	$ 54.25	$ 52.91
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.84)	$ (16.40)	$ (16.67)	$ (17.01)	$ (17.21)	$ (17.43)	$ (17.50)	$ (17.63)	$ (17.77)	$ (17.91)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.64)	$ (4.86)	$ (5.32)	$ (4.98)	$ (5.32)	$ (5.33)	$ (5.39)	$ (5.44)	$ (5.53)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (3.58)	$ (3.58)	$ (4.98)	$ (5.32)	$ (5.33)	$ (5.39)	$ (5.44)	$ (5.53)	
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 30.91	$ 45.98	$ 53.88	$ 64.56	$ 53.88	$ 49.82	$ 41.55	$ 36.71	$ 34.94	$ 31.05	$ 28.10	$ 26.43
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.46	$ 1.18	$ 2.35	$ 4.22
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.40	$ 45.12	$ 65.51	$ 89.86	$ 85.68	$ 104.44	$ 97.34	$ 103.25	$ 98.98	$ 97.20	$ 100.72	$ 100.83	$ 101.79	$ 105.44
PLAN C TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 670.78	$ 801.86	$ 733.40	$ 723.15	$ 719.04	$ 745.24	$ 739.81	$ 742.23	$ 742.33	$ 741.66	$ 745.79	$ 746.01	$ 749.00	$ 757.12
CAGR PLAN C (2019 BASE)													2.4%					1.7%
CAGR PLAN C (MAY 2020 BASE)													3.2%					2.3%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

SMALL GENERAL BILL PROJECTION - PLAN D, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 78.26	$ 80.57	$ 84.01	$ 86.58	$ 87.06	$ 85.43	$ 85.22	$ 85.12	$ 85.07	$ 85.17	$ 85.37	$ 85.42	$ 85.28
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 132.61	$ 131.98	$ 140.43	$ 144.94	$ 149.84	$ 155.62	$ 163.52	$ 170.43	$ 180.28	$ 190.68	$ 197.82
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.07	$ 16.33	$ 17.34	$ 16.42	$ 15.40	$ 14.41	$ 13.57	$ 12.79	$ 12.17	$ 11.52	$ 10.95	$ 10.38	$ 9.84
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 62.52	$ 60.41	$ 59.35	$ 56.65	$ 56.64	$ 50.93	$ 48.39	$ 47.65	$ 46.27	$ 46.37	$ 43.60	$ 44.72
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 7.27	$ 12.19	$ 14.06	$ 17.58	$ 19.93	$ 21.37	$ 24.95	$ 26.12	$ 25.90	$ 24.94	$ 23.80	$ 22.60
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.58	$ 10.51	$ 12.58	$ 14.30	$ 15.45	$ 15.40	$ 14.20	$ 13.08	$ 11.97	$ 10.96	$ 10.01	$ 9.07
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.57	$ 10.97	$ 12.31	$ 12.58	$ 12.94	$ 13.62	$ 12.52	$ 13.03	$ 9.76	$ 9.06	$ 8.44	$ 7.84	$ 7.26
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.30	$ 3.88	$ 5.35	$ 6.20	$ 6.61	$ 6.23	$ 5.80	$ 5.44	$ 5.09	$ 4.79	$ 4.49	$ 4.20
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.76	$ 3.70	$ 3.56	$ 3.38	$ 3.13	$ 2.93	$ 2.75	$ 2.58	$ 2.42	$ 2.29	$ 2.15	$ 2.01
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 17.79	$ 17.26	$ 15.07	$ 14.52	$ 10.97	$ 10.03	$ 9.97	$ 8.07	$ 5.91	$ 1.91	$ 0.98	$ 0.46
Additional Resources in Plan D																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 2.02	$ 6.05	$ 10.49	$ 7.70	$ 5.95	$ 5.03	$ 4.21	$ 3.68	$ 3.60	$ 3.57	$ 3.60	$ 3.59	$ 3.43
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.16	$ 0.64	$ 0.50	$ 0.46	$ 0.54	$ 0.47	$ 0.41	$ 0.55	$ 0.49	$ 0.42	$ 0.36	$ 0.31	$ 0.25	$ 0.76
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.32	$ 1.18	$ 1.09	$ 1.03	$ 1.01	$ 0.92	$ 0.87	$ 0.79	$ 0.75	$ 0.70	$ 0.64	$ 0.58	$ 0.53	$ 0.47
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.22	$ 0.86	$ 0.40	$ 0.38	$ 0.34	$ 0.34	$ 0.37	$ 0.38	$ 0.34	$ 0.34	$ 0.32	$ 0.28	$ 0.30
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.19	$ 0.85	$ 0.74	$ 0.68	$ 0.65	$ 0.60	$ 0.55	$ 0.55	$ 0.52	$ 0.49	$ 0.43	$ 0.54	$ 0.52	$ 0.50
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.10	$ 0.79	$ 0.63	$ 0.59	$ 0.61	$ 0.60	$ 0.58	$ 0.55	$ 0.48	$ 0.48	$ 0.47	$ 0.41	$ 0.43	$ 0.43
RPS Program-Related Resources Plan D																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.07	$ 19.33	$ 14.23	$ 12.22	$ 10.31	$ 14.14	$ 17.61	$ 19.98	$ 22.39	$ 24.36	$ 26.99	$ 29.83
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 15.21	$ 26.01	$ 40.45	$ 54.53	$ 67.11	$ 78.83	$ 90.65	$ 100.93	$ 110.68	$ 120.29	$ 129.81	$ 139.29	$ 148.97
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.23)	$ (1.44)	$ (5.56)	$ (5.68)	$ (8.82)	$ (11.59)	$ (14.90)	$ (18.43)	$ (21.59)	$ (25.18)	$ (28.46)	$ (32.06)	$ (35.56)	$ (38.60)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4.72	$ 3.46	$ 2.69	$ 2.42	$ 3.86	$ 5.23	$ 6.35	$ 7.50	$ 8.44	$ 8.84
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.21)	$ (0.74)	$ (1.91)	$ (3.11)	$ (4.40)	$ (6.01)	$ (7.64)	$ (9.03)	$ (10.02)	$ (11.60)	$ (13.30)	$ (15.02)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.17	$ 13.75	$ 20.24	$ 34.03	$ 48.52	$ 55.87	$ 62.21	$ 68.63	$ 75.55	$ 81.70	$ 88.16	$ 93.64	$ 98.87	$ 104.19
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.30	$ 3.36	$ 6.80	$ 9.62	$ 12.35	$ 15.13	$ 17.93	$ 20.75	$ 23.76	$ 26.98	$ 30.15	$ 33.49	$ 36.83
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.07)	$ (2.57)	$ (4.86)	$ (5.27)	$ (6.46)	$ (8.00)	$ (9.70)	$ (11.30)	$ (12.63)	$ (14.33)	$ (15.80)	$ (17.45)	$ (19.05)	$ (20.58)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4.66	$ 2.62	$ 1.86	$ 1.61	$ 2.38	$ 3.10	$ 3.65	$ 4.21	$ 4.58	$ 4.46
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.55)	$ (1.25)	$ (1.91)	$ (2.63)	$ (3.52)	$ (4.42)	$ (5.17)	$ (5.68)	$ (6.53)	$ (7.43)	$ (8.35)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.44)	$ (1.32)	$ (1.67)	$ 0.98	$ 6.56	$ 5.06	$ 4.66	$ 4.72	$ 6.08	$ 7.36	$ 9.15	$ 10.38	$ 11.60	$ 12.97
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 31.58	$ 46.64	$ 56.37	$ 84.52	$ 79.45	$ 78.21	$ 81.37	$ 91.01	$ 103.69	$ 110.87	$ 136.38	$ 130.75
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.84)	$ (16.40)	$ (16.67)	$ (17.01)	$ (17.21)	$ (17.43)	$ (17.50)	$ (19.66)	$ (35.62)	$ (35.91)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.64	$ 4.37	$ 3.41	$ 4.32	$ 4.91	$ 5.16	$ 5.39	$ 5.74	$ 8.08
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.99)	$ (2.14)	$ (2.36)	$ (2.55)	$ (2.72)	$ (2.72)	$ (2.83)	$ (5.89)	$ (6.10)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 31.58	$ 46.64	$ 54.53	$ 66.77	$ 65.00	$ 62.26	$ 65.93	$ 75.78	$ 88.63	$ 93.77	$ 100.60	$ 98.83
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.46	$ 1.64	$ 3.99	$ 7.76
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.40	$ 46.38	$ 69.22	$ 100.98	$ 123.84	$ 139.92	$ 142.18	$ 149.74	$ 165.17	$ 184.81	$ 208.79	$ 223.79	$ 242.05	$ 250.97
PLAN D TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 671.22	$ 805.61	$ 739.84	$ 735.30	$ 758.72	$ 783.73	$ 787.56	$ 791.38	$ 810.57	$ 830.78	$ 854.82	$ 872.31	$ 893.46	$ 906.60
CAGR PLAN D (2019 BASE)													3.2%					2.9%
CAGR PLAN D (MAY 2020 BASE)													4.0%					3.5%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore Wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL BILL PROJECTION - PLAN E, COMPANY METHODOLOGY

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 78.26	$ 80.57	$ 84.01	$ 86.58	$ 87.06	$ 85.43	$ 85.22	$ 85.12	$ 85.07	$ 85.17	$ 85.37	$ 85.42	$ 85.28
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 133.90	$ 133.39	$ 142.02	$ 146.95	$ 152.56	$ 158.75	$ 167.18	$ 174.18	$ 182.01	$ 190.67	$ 198.22
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.07	$ 16.33	$ 17.34	$ 16.42	$ 15.40	$ 14.41	$ 13.57	$ 12.79	$ 12.17	$ 11.52	$ 10.95	$ 10.38	$ 9.84
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 62.52	$ 60.41	$ 59.35	$ 56.65	$ 56.64	$ 50.93	$ 48.39	$ 47.66	$ 46.28	$ 46.37	$ 43.61	$ 44.72
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 7.27	$ 12.19	$ 14.06	$ 17.58	$ 19.93	$ 21.37	$ 24.95	$ 26.12	$ 25.90	$ 24.94	$ 23.80	$ 22.60
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.58	$ 10.51	$ 12.58	$ 14.30	$ 15.45	$ 15.40	$ 14.20	$ 13.08	$ 11.97	$ 10.96	$ 10.01	$ 9.07
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.57	$ 10.97	$ 12.31	$ 12.58	$ 12.94	$ 13.62	$ 12.52	$ 13.03	$ 9.76	$ 9.06	$ 8.44	$ 7.84	$ 7.26
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.30	$ 3.88	$ 5.35	$ 6.20	$ 6.61	$ 6.23	$ 5.80	$ 5.44	$ 5.09	$ 4.79	$ 4.49	$ 4.20
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.76	$ 3.70	$ 3.56	$ 3.38	$ 3.13	$ 2.93	$ 2.75	$ 2.58	$ 2.42	$ 2.29	$ 2.15	$ 2.01
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 17.79	$ 17.26	$ 15.07	$ 14.52	$ 10.97	$ 10.03	$ 9.97	$ 8.07	$ 5.91	$ 1.91	$ 0.98	$ 0.46
Additional Resources in Plan E																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 2.02	$ 6.05	$ 10.49	$ 7.70	$ 5.95	$ 5.03	$ 4.21	$ 3.68	$ 3.60	$ 3.57	$ 3.60	$ 3.59	$ 3.43
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.16	$ 0.64	$ 0.50	$ 0.46	$ 0.54	$ 0.47	$ 0.41	$ 0.55	$ 0.49	$ 0.42	$ 0.36	$ 0.31	$ 0.25	$ 0.76
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.32	$ 1.18	$ 1.09	$ 1.03	$ 1.01	$ 0.92	$ 0.87	$ 0.79	$ 0.75	$ 0.70	$ 0.64	$ 0.58	$ 0.53	$ 0.47
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.22	$ 0.86	$ 0.40	$ 0.38	$ 0.34	$ 0.34	$ 0.37	$ 0.38	$ 0.34	$ 0.34	$ 0.32	$ 0.28	$ 0.30
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.19	$ 0.85	$ 0.74	$ 0.68	$ 0.65	$ 0.60	$ 0.55	$ 0.55	$ 0.52	$ 0.49	$ 0.43	$ 0.54	$ 0.52	$ 0.50
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.10	$ 0.79	$ 0.63	$ 0.59	$ 0.61	$ 0.60	$ 0.58	$ 0.55	$ 0.48	$ 0.48	$ 0.47	$ 0.41	$ 0.43	$ 0.43
RPS Program-Related Resources Plan E																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.07	$ 19.31	$ 14.23	$ 12.22	$ 10.33	$ 13.80	$ 17.39	$ 19.90	$ 22.22	$ 24.08	$ 26.59	$ 29.56
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 15.28	$ 26.51	$ 44.38	$ 62.82	$ 82.62	$ 98.17	$ 113.15	$ 125.93	$ 137.50	$ 148.67	$ 159.61	$ 170.30	$ 180.71
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.23)	$ (1.43)	$ (5.54)	$ (5.40)	$ (9.65)	$ (13.28)	$ (17.48)	$ (21.80)	$ (25.69)	$ (30.19)	$ (34.27)	$ (38.77)	$ (43.13)	$ (47.02)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.57)	$ (3.73)	$ (3.08)	$ (2.63)	$ (4.03)	$ (5.48)	$ (6.68)	$ (7.82)	$ (8.78)	$ (11.10)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.21)	$ (0.70)	$ (2.23)	$ (3.90)	$ (5.72)	$ (7.84)	$ (10.07)	$ (11.94)	$ (13.13)	$ (15.02)	$ (16.94)	$ (18.90)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.17	$ 13.82	$ 20.77	$ 38.28	$ 46.37	$ 61.71	$ 71.89	$ 80.88	$ 86.15	$ 89.90	$ 94.59	$ 98.00	$ 101.44	$ 103.69
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.24	$ 3.28	$ 6.75	$ 10.57	$ 14.45	$ 18.08	$ 21.80	$ 25.57	$ 29.39	$ 33.41	$ 37.42	$ 41.53	$ 45.64
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.07)	$ (2.45)	$ (4.74)	$ (5.21)	$ (6.79)	$ (8.66)	$ (10.64)	$ (12.69)	$ (14.47)	$ (16.61)	$ (18.52)	$ (20.65)	$ (22.74)	$ (24.73)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.54)	$ (2.72)	$ (2.02)	$ (1.64)	$ (2.37)	$ (3.14)	$ (3.74)	$ (4.30)	$ (4.76)	$ (5.77)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.53)	$ (1.43)	$ (2.34)	$ (3.34)	$ (4.50)	$ (5.72)	$ (6.74)	$ (7.36)	$ (8.37)	$ (9.40)	$ (10.43)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.44)	$ (1.26)	$ (1.63)	$ 1.01	$ (2.09)	$ 0.73	$ 2.08	$ 2.86	$ 3.01	$ 2.89	$ 3.79	$ 4.10	$ 4.64	$ 4.70
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 30.91	$ 45.98	$ 55.72	$ 63.58	$ 77.56	$ 72.87	$ 66.29	$ 60.98	$ 59.08	$ 55.09	$ 51.89	$ 49.91
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.84)	$ (16.40)	$ (16.67)	$ (17.01)	$ (17.21)	$ (17.43)	$ (17.50)	$ (17.63)	$ (17.77)	$ (17.91)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.64)	$ (3.86)	$ (3.46)	$ (3.85)	$ (4.49)	$ (4.75)	$ (4.91)	$ (4.96)	$ (5.09)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.99)	$ (2.14)	$ (2.36)	$ (2.55)	$ (2.72)	$ (2.72)	$ (2.83)	$ (2.94)	$ (3.04)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 30.91	$ 45.98	$ 53.88	$ 64.56	$ 54.88	$ 50.05	$ 42.68	$ 36.34	$ 34.10	$ 29.71	$ 26.23	$ 23.86
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.46	$ 1.64	$ 3.99	$ 7.76
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.40	$ 46.51	$ 69.12	$ 104.58	$ 112.39	$ 139.22	$ 139.18	$ 147.69	$ 149.23	$ 149.03	$ 155.17	$ 157.54	$ 162.89	$ 169.57
PLAN E TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 671.22	$ 805.75	$ 739.75	$ 740.19	$ 748.68	$ 784.62	$ 786.57	$ 791.95	$ 797.76	$ 798.66	$ 804.96	$ 807.80	$ 814.29	$ 825.59
CAGR PLAN E (2019 BASE)													3.0%					2.3%
CAGR PLAN E (MAY 2020 BASE)													3.9%					2.8%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] *No assumptions modeled for exemptions to Riders OSW & PIPP.*
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

LARGE GENERAL BILL PROJECTION - PLAN A, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL SERVICE Schedule GS-4 (6,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 47,560.00	$ 57,140.00	$ 59,580.00	$ 61,400.00	$ 61,740.00	$ 60,590.00	$ 60,430.00	$ 60,370.00	$ 60,320.00	$ 60,400.00	$ 60,540.00	$ 60,570.00	$ 60,480.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 140,916.00	$ 142,146.00	$ 157,152.00	$ 166,446.00	$ 175,440.00	$ 185,202.00	$ 196,140.00	$ 206,172.00	$ 216,612.00	$ 228,054.00	$ 238,734.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 180.00	$ 174.00	$ 168.00	$ 168.00	$ 156.00	$ 144.00	$ 138.00	$ 132.00	$ 126.00	$ 126.00	$ 120.00	$ 114.00	$ 114.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 36,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,660.00	$ 30,460.00	$ 29,810.00	$ 24,550.00	$ 23,740.00	$ 22,410.00	$ 22,840.00	$ 21,730.00	$ 20,720.00	$ 20,460.00	$ 20,030.00	$ 20,230.00	$ 18,780.00	$ 19,180.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 4,300.00	$ 7,220.00	$ 8,320.00	$ 10,420.00	$ 11,810.00	$ 12,670.00	$ 14,790.00	$ 15,500.00	$ 15,350.00	$ 14,790.00	$ 14,130.00	$ 13,410.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,410.00	$ 2,390.00	$ 2,830.00	$ 3,180.00	$ 3,460.00	$ 3,500.00	$ 3,260.00	$ 3,020.00	$ 2,830.00	$ 2,650.00	$ 2,480.00	$ 2,300.00
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 540.00	$ 880.00	$ 1,210.00	$ 1,380.00	$ 1,480.00	$ 1,410.00	$ 1,330.00	$ 1,260.00	$ 1,210.00	$ 1,160.00	$ 1,110.00	$ 1,060.00
AS Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 3,400.00	$ 2,190.00	$ 2,110.00	$ 2,010.00	$ 1,850.00	$ 1,730.00	$ 1,630.00	$ 1,520.00	$ 1,450.00	$ 1,360.00	$ 1,280.00	$ 1,190.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 17,790.00	$ 17,262.00	$ 15,066.00	$ 14,520.00	$ 10,974.00	$ 10,032.00	$ 9,966.00	$ 8,070.00	$ 5,910.00	$ 1,914.00	$ 984.00	$ 456.00
Additional Resources in Plan A																		
GAS CT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 310.00	$ 990.00	$ 2,010.00	$ 3,240.00	$ 5,270.00	$ 6,990.00	$ 8,210.00
VCHEC 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ 320.00	$ 17,920.00	$ 15,610.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
BIOMASS 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,580.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RPS Program-Related Resources Plan A																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,002.00	$ 19,236.00	$ 13,728.00	$ 12,222.00	$ 10,074.00	$ 14,694.00	$ 17,862.00	$ 20,052.00	$ 22,512.00	$ 24,546.00	$ 27,264.00	$ 30,432.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 4,080.00	$ 8,410.00	$ 8,170.00	$ 7,530.00	$ 7,010.00	$ 6,490.00	$ 6,160.00	$ 5,860.00	$ 5,580.00	$ 5,350.00	$ 5,120.00	$ 4,910.00	$ 4,690.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (216.00)	$ (1,278.00)	$ (5,328.00)	$ (3,444.00)	$ (3,060.00)	$ (2,970.00)	$ (2,946.00)	$ (2,940.00)	$ (2,886.00)	$ (2,898.00)	$ (2,874.00)	$ (2,886.00)	$ (2,886.00)	$ (2,874.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,056.00)	$ (1,020.00)	$ 750.00	$ (516.00)	$ (708.00)	$ (792.00)	$ (822.00)	$ (846.00)	$ (858.00)	$ (882.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (110.00)	$ (290.00)	$ (360.00)	$ (430.00)	$ (480.00)	$ (550.00)	$ (620.00)	$ (660.00)	$ (690.00)	$ (710.00)	$ (740.00)	$ (760.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,924.00	$ 2,792.00	$ 2,972.00	$ 4,436.00	$ 54.00	$ 2,590.00	$ 2,314.00	$ 2,154.00	$ 1,646.00	$ 1,230.00	$ 964.00	$ 678.00	$ 426.00	$ 174.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,158.00	$ 2,628.00	$ 5,666.00	$ 12,898.00	$ 19,896.00	$ 26,650.00	$ 33,452.00	$ 40,320.00	$ 47,260.00	$ 54,560.00	$ 61,754.00	$ 69,172.00	$ 76,566.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,058.00)	$ (2,262.00)	$ (4,254.00)	$ (4,944.00)	$ (9,438.00)	$ (14,046.00)	$ (18,786.00)	$ (23,622.00)	$ (27,936.00)	$ (32,958.00)	$ (37,512.00)	$ (42,504.00)	$ (47,430.00)	$ (52,158.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,674.00)	$ (3,126.00)	$ (3,444.00)	$ (3,330.00)	$ (5,562.00)	$ (7,416.00)	$ (8,982.00)	$ (10,680.00)	$ (12,216.00)	$ (14,100.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (100.00)	$ (300.00)	$ (950.00)	$ (1,820.00)	$ (2,710.00)	$ (3,700.00)	$ (4,500.00)	$ (4,930.00)	$ (5,000.00)	$ (5,730.00)	$ (6,470.00)	$ (7,220.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (458.00)	$ (1,134.00)	$ (1,726.00)	$ 422.00	$ (2,164.00)	$ 904.00	$ 1,710.00	$ 2,800.00	$ 2,322.00	$ 1,956.00	$ 3,066.00	$ 2,840.00	$ 3,056.00	$ 3,088.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 17,760.00	$ 26,430.00	$ 32,040.00	$ 48,090.00	$ 44,620.00	$ 41,940.00	$ 38,160.00	$ 35,110.00	$ 34,010.00	$ 31,730.00	$ 29,890.00	$ 28,620.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,842.00)	$ (16,398.00)	$ (16,674.00)	$ (17,010.00)	$ (17,208.00)	$ (17,430.00)	$ (17,496.00)	$ (17,634.00)	$ (17,766.00)	$ (17,910.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (636.00)	$ (4,368.00)	$ (3,432.00)	$ (4,416.00)	$ (5,064.00)	$ (5,370.00)	$ (5,568.00)	$ (4,788.00)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,140.00)	$ (1,230.00)	$ (1,360.00)	$ (1,470.00)	$ (1,570.00)	$ (1,570.00)	$ (1,630.00)	$ (1,690.00)	$ (1,750.00)
TOTAL OFFSHORE WIND	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 17,760.00	$ 26,430.00	$ 30,198.00	$ 29,916.00	$ 22,348.00	$ 20,138.00	$ 15,066.00	$ 11,046.00	$ 9,574.00	$ 6,898.00	$ 4,776.00	$ 4,172.00
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,796.00	$ 28,340.00	$ 38,008.00	$ 50,524.00	$ 41,816.00	$ 45,632.00	$ 36,446.00	$ 39,786.00	$ 36,896.00	$ 34,284.00	$ 36,116.00	$ 34,962.00	$ 35,522.00	$ 37,866.00
PLAN A TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 456,006.60	$ 576,817.69	$ 477,041.63	$ 434,763.63	$ 427,889.63	$ 447,683.63	$ 445,123.63	$ 456,259.63	$ 464,369.63	$ 471,793.63	$ 481,917.63	$ 488,691.63	$ 499,097.63	$ 512,083.63
CAGR PLAN A (2019 BASE)													2.6%					2.4%
CAGR PLAN A (MAY 2020 BASE)													3.8%					3.2%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

LARGE GENERAL BILL PROJECTION - PLAN B, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL SERVICE Schedule GS-4 (6,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 47,560.00	$ 57,140.00	$ 59,580.00	$ 61,400.00	$ 61,740.00	$ 60,590.00	$ 60,430.00	$ 60,370.00	$ 60,320.00	$ 60,400.00	$ 60,540.00	$ 60,570.00	$ 60,480.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 132,546.00	$ 131,916.00	$ 140,316.00	$ 144,702.00	$ 149,586.00	$ 155,160.00	$ 162,960.00	$ 169,782.00	$ 179,562.00	$ 189,822.00	$ 197,190.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 180.00	$ 174.00	$ 168.00	$ 168.00	$ 156.00	$ 144.00	$ 138.00	$ 132.00	$ 126.00	$ 126.00	$ 120.00	$ 114.00	$ 114.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 36,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,660.00	$ 30,460.00	$ 29,810.00	$ 35,750.00	$ 35,150.00	$ 33,560.00	$ 33,560.00	$ 30,180.00	$ 28,680.00	$ 28,250.00	$ 27,440.00	$ 27,500.00	$ 25,880.00	$ 26,540.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 4,300.00	$ 7,220.00	$ 8,320.00	$ 10,420.00	$ 11,810.00	$ 12,670.00	$ 14,790.00	$ 15,500.00	$ 15,350.00	$ 14,790.00	$ 14,130.00	$ 13,410.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,410.00	$ 2,390.00	$ 2,830.00	$ 3,180.00	$ 3,460.00	$ 3,500.00	$ 3,260.00	$ 3,020.00	$ 2,830.00	$ 2,650.00	$ 2,480.00	$ 2,300.00
STRATEGIC UNDERGROUND PLAN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 540.00	$ 880.00	$ 1,210.00	$ 1,380.00	$ 1,480.00	$ 1,410.00	$ 1,330.00	$ 1,260.00	$ 1,210.00	$ 1,160.00	$ 1,110.00	$ 1,060.00
AS Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 3,400.00	$ 2,190.00	$ 2,110.00	$ 2,010.00	$ 1,850.00	$ 1,730.00	$ 1,630.00	$ 1,520.00	$ 1,450.00	$ 1,360.00	$ 1,280.00	$ 1,190.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 17,790.00	$ 17,262.00	$ 15,066.00	$ 14,520.00	$ 10,974.00	$ 10,032.00	$ 9,966.00	$ 8,070.00	$ 5,910.00	$ 1,914.00	$ 984.00	$ 456.00
Additional Resources in Plan B																		
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 750.00	$ 480.00	$ 610.00	$ 600.00	$ 550.00	$ 510.00	$ 470.00	$ 440.00	$ 420.00	$ 380.00	$ 340.00	$ 310.00	$ 280.00
RPS Program-Related Resources Plan B																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,074.00	$ 19,326.00	$ 14,226.00	$ 12,222.00	$ 10,302.00	$ 14,190.00	$ 17,658.00	$ 19,998.00	$ 22,428.00	$ 24,432.00	$ 27,108.00	$ 30,012.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 7,810.00	$ 14,860.00	$ 22,970.00	$ 30,830.00	$ 37,600.00	$ 43,190.00	$ 48,840.00	$ 53,710.00	$ 58,280.00	$ 62,890.00	$ 67,460.00	$ 71,840.00	$ 75,620.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (234.00)	$ (1,440.00)	$ (5,562.00)	$ (5,682.00)	$ (8,820.00)	$ (11,526.00)	$ (14,346.00)	$ (17,364.00)	$ (20,004.00)	$ (23,058.00)	$ (25,818.00)	$ (28,878.00)	$ (31,884.00)	$ (34,764.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,716.00)	$ (3,462.00)	$ (2,694.00)	$ (2,352.00)	$ (3,726.00)	$ (5,016.00)	$ (6,060.00)	$ (7,134.00)	$ (7,974.00)	$ (8,052.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (110.00)	$ (430.00)	$ (1,100.00)	$ (1,780.00)	$ (2,490.00)	$ (3,410.00)	$ (4,320.00)	$ (5,110.00)	$ (5,630.00)	$ (6,530.00)	$ (7,480.00)	$ (8,430.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,906.00	$ 6,360.00	$ 9,188.00	$ 16,858.00	$ 16,194.00	$ 20,832.00	$ 23,660.00	$ 25,714.00	$ 25,660.00	$ 25,096.00	$ 25,382.00	$ 24,918.00	$ 24,502.00	$ 24,374.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,212.00	$ 3,006.00	$ 6,070.00	$ 8,610.00	$ 11,068.00	$ 13,550.00	$ 15,972.00	$ 18,396.00	$ 20,980.00	$ 23,728.00	$ 26,404.00	$ 29,200.00	$ 32,000.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,070.00)	$ (2,574.00)	$ (4,860.00)	$ (5,262.00)	$ (6,456.00)	$ (7,998.00)	$ (9,702.00)	$ (11,298.00)	$ (12,630.00)	$ (14,334.00)	$ (15,810.00)	$ (17,448.00)	$ (19,056.00)	$ (20,580.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,656.00)	$ (2,616.00)	$ (1,860.00)	$ (1,626.00)	$ (2,442.00)	$ (3,204.00)	$ (3,792.00)	$ (4,392.00)	$ (4,818.00)	$ (4,632.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (100.00)	$ (310.00)	$ (720.00)	$ (1,100.00)	$ (1,510.00)	$ (2,020.00)	$ (2,530.00)	$ (2,970.00)	$ (3,260.00)	$ (3,750.00)	$ (4,260.00)	$ (4,790.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (470.00)	$ (1,392.00)	$ (1,954.00)	$ 498.00	$ (3,222.00)	$ (646.00)	$ 478.00	$ 1,028.00	$ 794.00	$ 472.00	$ 866.00	$ 814.00	$ 1,066.00	$ 1,998.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 18,140.00	$ 26,810.00	$ 32,410.00	$ 48,630.00	$ 45,710.00	$ 45,010.00	$ 46,840.00	$ 52,400.00	$ 59,700.00	$ 63,860.00	$ 78,560.00	$ 75,340.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,842.00)	$ (16,398.00)	$ (16,674.00)	$ (17,010.00)	$ (17,208.00)	$ (17,430.00)	$ (17,496.00)	$ (19,662.00)	$ (35,622.00)	$ (35,910.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (636.00)	$ (4,368.00)	$ (3,432.00)	$ (4,416.00)	$ (5,064.00)	$ (5,370.00)	$ (5,568.00)	$ (6,120.00)	$ (8,790.00)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,140.00)	$ (1,230.00)	$ (1,360.00)	$ (1,470.00)	$ (1,570.00)	$ (1,570.00)	$ (1,630.00)	$ (3,390.00)	$ (3,510.00)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 18,140.00	$ 26,810.00	$ 30,568.00	$ 30,456.00	$ 23,438.00	$ 23,208.00	$ 23,746.00	$ 28,336.00	$ 35,264.00	$ 37,000.00	$ 33,428.00	$ 27,130.00
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 280.00	$ 980.00
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,766.00	$ 31,650.00	$ 44,448.00	$ 69,492.00	$ 57,766.00	$ 62,864.00	$ 57,878.00	$ 64,140.00	$ 67,858.00	$ 73,902.00	$ 83,940.00	$ 87,164.00	$ 86,384.00	$ 84,494.00
PLAN B TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 455,656.60	$ 562,957.69	$ 466,771.63	$ 451,171.63	$ 445,619.63	$ 459,779.63	$ 456,041.63	$ 463,369.63	$ 472,699.63	$ 484,431.63	$ 497,901.63	$ 506,183.63	$ 512,147.63	$ 516,597.63
CAGR PLAN B (2019 BASE)													2.7%					2.4%
CAGR PLAN B (MAY 2020 BASE)													3.9%					3.3%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

LARGE GENERAL BILL PROJECTION - PLAN C, COMPANY METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL SERVICE Schedule GS-4 (6,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 47,560.00	$ 57,140.00	$ 59,580.00	$ 61,400.00	$ 61,740.00	$ 60,590.00	$ 60,430.00	$ 60,370.00	$ 60,320.00	$ 60,400.00	$ 60,540.00	$ 60,570.00	$ 60,480.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 133,692.00	$ 132,666.00	$ 139,428.00	$ 143,916.00	$ 149,304.00	$ 155,466.00	$ 163,746.00	$ 171,078.00	$ 178,022.00	$ 187,950.00	$ 195,876.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 180.00	$ 174.00	$ 168.00	$ 158.00	$ 156.00	$ 144.00	$ 138.00	$ 132.00	$ 126.00	$ 126.00	$ 120.00	$ 114.00	$ 114.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 36,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,660.00	$ 30,460.00	$ 29,810.00	$ 35,750.00	$ 35,140.00	$ 33,570.00	$ 33,560.00	$ 30,180.00	$ 28,670.00	$ 28,250.00	$ 27,440.00	$ 27,500.00	$ 25,880.00	$ 26,540.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 4,300.00	$ 7,220.00	$ 8,320.00	$ 10,420.00	$ 11,810.00	$ 12,670.00	$ 14,790.00	$ 15,500.00	$ 15,350.00	$ 14,790.00	$ 14,130.00	$ 13,410.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,410.00	$ 2,390.00	$ 2,830.00	$ 3,180.00	$ 3,460.00	$ 3,500.00	$ 3,260.00	$ 3,020.00	$ 2,830.00	$ 2,650.00	$ 2,480.00	$ 2,300.00
STRATEGIC UNDERGROUND PLAN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 540.00	$ 880.00	$ 1,210.00	$ 1,380.00	$ 1,480.00	$ 1,410.00	$ 1,330.00	$ 1,260.00	$ 1,210.00	$ 1,160.00	$ 1,110.00	$ 1,060.00
A5 Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,850.00	$ 2,170.00	$ 3,400.00	$ 2,190.00	$ 2,110.00	$ 2,010.00	$ 1,850.00	$ 1,730.00	$ 1,630.00	$ 1,520.00	$ 1,450.00	$ 1,360.00	$ 1,280.00	$ 1,190.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 17,790.00	$ 17,262.00	$ 15,066.00	$ 14,520.00	$ 10,974.00	$ 10,032.00	$ 9,966.00	$ 8,070.00	$ 5,910.00	$ 1,914.00	$ 984.00	$ 456.00
Additional Resources in Plan C																		
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 200.00	$ 580.00	$ 480.00	$ 610.00	$ 600.00	$ 550.00	$ 510.00	$ 470.00	$ 440.00	$ 420.00	$ 380.00	$ 340.00	$ 310.00	$ 280.00
RPS Program-Related Resources Plan C																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,074.00	$ 19,308.00	$ 13,986.00	$ 12,222.00	$ 9,858.00	$ 15,258.00	$ 18,114.00	$ 20,124.00	$ 22,620.00	$ 24,678.00	$ 27,420.00	$ 30,582.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 7,140.00	$ 13,100.00	$ 16,880.00	$ 18,790.00	$ 22,490.00	$ 28,080.00	$ 33,410.00	$ 37,980.00	$ 41,940.00	$ 45,790.00	$ 49,500.00	$ 53,040.00	$ 56,400.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (234.00)	$ (1,434.00)	$ (5,538.00)	$ (5,202.00)	$ (5,585.00)	$ (7,068.00)	$ (10,476.00)	$ (13,950.00)	$ (17,112.00)	$ (20,682.00)	$ (23,970.00)	$ (27,540.00)	$ (31,074.00)	$ (34,464.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,758.00)	$ (2,112.00)	$ (1,854.00)	$ (2,016.00)	$ (3,744.00)	$ (4,962.00)	$ (5,946.00)	$ (6,972.00)	$ (8,028.00)	$ (9,138.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (110.00)	$ (410.00)	$ (660.00)	$ (970.00)	$ (1,570.00)	$ (2,260.00)	$ (2,850.00)	$ (3,240.00)	$ (3,410.00)	$ (3,900.00)	$ (4,400.00)	$ (4,900.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,906.00	$ 5,696.00	$ 7,452.00	$ 11,268.00	$ 7,786.00	$ 12,340.00	$ 14,180.00	$ 15,184.00	$ 14,274.00	$ 13,056.00	$ 12,464.00	$ 11,088.00	$ 9,538.00	$ 7,858.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,158.00	$ 2,930.00	$ 5,886.00	$ 5,870.00	$ 6,632.00	$ 8,984.00	$ 11,372.00	$ 13,778.00	$ 16,214.00	$ 18,756.00	$ 21,280.00	$ 23,874.00	$ 26,468.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,070.00)	$ (2,448.00)	$ (4,740.00)	$ (5,106.00)	$ (4,590.00)	$ (5,178.00)	$ (7,008.00)	$ (8,880.00)	$ (10,548.00)	$ (12,486.00)	$ (14,232.00)	$ (16,164.00)	$ (18,060.00)	$ (19,884.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,728.00)	$ (1,764.00)	$ (1,356.00)	$ (1,350.00)	$ (2,382.00)	$ (3,060.00)	$ (3,582.00)	$ (4,140.00)	$ (4,710.00)	$ (5,310.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (100.00)	$ (300.00)	$ (480.00)	$ (660.00)	$ (1,010.00)	$ (1,400.00)	$ (1,740.00)	$ (1,980.00)	$ (2,060.00)	$ (2,330.00)	$ (2,610.00)	$ (2,880.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (470.00)	$ (1,320.00)	$ (1,910.00)	$ 480.00	$ (3,928.00)	$ (970.00)	$ (390.00)	$ (258.00)	$ (892.00)	$ (1,292.00)	$ (1,118.00)	$ (1,354.00)	$ (1,506.00)	$ (1,606.00)
RIDER OSW [2]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 17,760.00	$ 26,430.00	$ 32,040.00	$ 48,090.00	$ 44,620.00	$ 41,940.00	$ 38,160.00	$ 35,810.00	$ 34,830.00	$ 32,780.00	$ 31,250.00	$ 30,490.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,842.00)	$ (16,398.00)	$ (16,674.00)	$ (17,010.00)	$ (17,208.00)	$ (17,430.00)	$ (17,498.00)	$ (17,634.00)	$ (17,766.00)	$ (17,910.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (636.00)	$ (4,860.00)	$ (3,576.00)	$ (4,980.00)	$ (5,322.00)	$ (5,328.00)	$ (5,394.00)	$ (5,442.00)	$ (5,526.00)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,140.00)	$ (1,230.00)	$ (1,360.00)	$ (1,470.00)	$ (1,570.00)	$ (1,630.00)	$ (1,690.00)	$ (1,750.00)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 17,760.00	$ 26,430.00	$ 30,198.00	$ 29,916.00	$ 21,856.00	$ 19,994.00	$ 14,502.00	$ 11,488.00	$ 10,436.00	$ 8,122.00	$ 6,352.00	$ 5,304.00
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 270.00	$ 700.00	$ 1,390.00	$ 2,510.00
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,756.00	$ 31,058.00	$ 42,376.00	$ 57,486.00	$ 48,042.00	$ 53,508.00	$ 45,504.00	$ 50,178.00	$ 45,998.00	$ 43,376.00	$ 44,672.00	$ 43,234.00	$ 43,194.00	$ 44,688.00
PLAN C TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 455,856.60	$ 562,195.69	$ 464,699.63	$ 446,311.63	$ 436,635.63	$ 449,545.63	$ 442,881.63	$ 449,125.63	$ 451,135.63	$ 454,691.63	$ 459,929.63	$ 461,713.63	$ 467,085.63	$ 475,477.63
CAGR PLAN C (2019 BASE)													2.3%					1.9%
CAGR PLAN C (MAY 2020 BASE)													3.5%					2.7%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] *While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.*

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL BILL PROJECTION - PLAN D, COMPANY METHODOLOGY

LARGE GENERAL SERVICE Schedule GS-4 (5,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 47,560.00	$ 57,140.00	$ 59,580.00	$ 61,400.00	$ 61,740.00	$ 60,590.00	$ 60,430.00	$ 60,370.00	$ 60,320.00	$ 60,400.00	$ 60,540.00	$ 60,570.00	$ 60,480.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 132,606.00	$ 131,976.00	$ 140,430.00	$ 144,936.00	$ 149,940.00	$ 155,622.00	$ 163,524.00	$ 170,430.00	$ 180,282.00	$ 190,680.00	$ 197,820.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 180.00	$ 174.00	$ 168.00	$ 168.00	$ 156.00	$ 144.00	$ 138.00	$ 132.00	$ 126.00	$ 128.00	$ 120.00	$ 114.00	$ 114.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 35,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,660.00	$ 30,460.00	$ 29,810.00	$ 35,750.00	$ 35,150.00	$ 33,560.00	$ 33,560.00	$ 30,180.00	$ 28,680.00	$ 28,250.00	$ 27,440.00	$ 27,500.00	$ 25,880.00	$ 26,540.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 4,300.00	$ 7,220.00	$ 8,320.00	$ 10,420.00	$ 11,810.00	$ 12,670.00	$ 14,790.00	$ 15,500.00	$ 15,350.00	$ 14,790.00	$ 14,130.00	$ 13,410.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,410.00	$ 2,390.00	$ 2,830.00	$ 3,180.00	$ 3,460.00	$ 3,500.00	$ 3,260.00	$ 3,020.00	$ 2,830.00	$ 2,650.00	$ 2,480.00	$ 2,300.00
STRATEGIC UNDERGROUND PLAN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 540.00	$ 880.00	$ 1,210.00	$ 1,380.00	$ 1,480.00	$ 1,410.00	$ 1,330.00	$ 1,260.00	$ 1,210.00	$ 1,160.00	$ 1,110.00	$ 1,060.00
A5 Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 3,400.00	$ 2,190.00	$ 2,110.00	$ 2,010.00	$ 1,850.00	$ 1,730.00	$ 1,630.00	$ 1,520.00	$ 1,450.00	$ 1,360.00	$ 1,280.00	$ 1,190.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 17,790.00	$ 17,262.00	$ 15,066.00	$ 14,520.00	$ 10,974.00	$ 10,032.00	$ 9,966.00	$ 8,070.00	$ 5,910.00	$ 1,914.00	$ 984.00	$ 456.00
Additional Resources in Plan D																		
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 100.00	$ 320.00	$ 220.00	$ 270.00	$ 320.00	$ 280.00	$ 250.00	$ 330.00	$ 290.00	$ 250.00	$ 210.00	$ 180.00	$ 150.00	$ 450.00
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 200.00	$ 580.00	$ 480.00	$ 610.00	$ 600.00	$ 550.00	$ 510.00	$ 470.00	$ 440.00	$ 420.00	$ 380.00	$ 340.00	$ 310.00	$ 280.00
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 110.00	$ 380.00	$ 240.00	$ 220.00	$ 200.00	$ 200.00	$ 220.00	$ 230.00	$ 200.00	$ 200.00	$ 190.00	$ 160.00	$ 180.00
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 120.00	$ 420.00	$ 330.00	$ 400.00	$ 390.00	$ 350.00	$ 320.00	$ 320.00	$ 310.00	$ 290.00	$ 260.00	$ 320.00	$ 310.00	$ 290.00
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 60.00	$ 390.00	$ 280.00	$ 350.00	$ 360.00	$ 350.00	$ 340.00	$ 320.00	$ 290.00	$ 280.00	$ 280.00	$ 240.00	$ 260.00	$ 260.00
RPS Program-Related Resources Plan D																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,074.00	$ 19,326.00	$ 14,226.00	$ 12,222.00	$ 10,308.00	$ 14,136.00	$ 17,610.00	$ 19,980.00	$ 22,386.00	$ 24,360.00	$ 26,988.00	$ 29,832.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 7,820.00	$ 14,880.00	$ 23,150.00	$ 31,210.00	$ 38,450.00	$ 45,170.00	$ 51,960.00	$ 57,880.00	$ 63,460.00	$ 69,000.00	$ 74,470.00	$ 79,920.00	$ 85,510.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (234.00)	$ (1,440.00)	$ (5,562.00)	$ (5,682.00)	$ (8,820.00)	$ (11,586.00)	$ (14,888.00)	$ (18,432.00)	$ (21,594.00)	$ (25,182.00)	$ (28,458.00)	$ (32,064.00)	$ (35,562.00)	$ (38,604.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,722.00	$ 3,462.00	$ 2,688.00	$ 2,424.00	$ 3,858.00	$ 5,226.00	$ 6,354.00	$ 7,500.00	$ 8,436.00	$ 8,844.00
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (110.00)	$ (430.00)	$ (1,100.00)	$ (1,780.00)	$ (2,510.00)	$ (3,440.00)	$ (4,370.00)	$ (5,180.00)	$ (5,730.00)	$ (6,650.00)	$ (7,630.00)	$ (8,610.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,906.00	$ 6,370.00	$ 9,208.00	$ 17,038.00	$ 28,012.00	$ 28,546.00	$ 30,460.00	$ 32,512.00	$ 35,774.00	$ 38,324.00	$ 41,166.00	$ 43,256.00	$ 45,164.00	$ 47,140.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,212.00	$ 3,006.00	$ 6,070.00	$ 8,610.00	$ 11,068.00	$ 13,550.00	$ 15,972.00	$ 18,396.00	$ 20,980.00	$ 23,728.00	$ 26,404.00	$ 29,200.00	$ 32,000.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,070.00)	$ (2,568.00)	$ (4,860.00)	$ (5,268.00)	$ (6,456.00)	$ (7,998.00)	$ (9,702.00)	$ (11,298.00)	$ (12,630.00)	$ (14,334.00)	$ (15,804.00)	$ (17,448.00)	$ (19,050.00)	$ (20,580.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,656.00	$ 2,616.00	$ 1,860.00	$ 1,608.00	$ 2,376.00	$ 3,102.00	$ 3,654.00	$ 4,206.00	$ 4,584.00	$ 4,464.00
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (100.00)	$ (310.00)	$ (720.00)	$ (1,100.00)	$ (1,510.00)	$ (2,020.00)	$ (2,530.00)	$ (2,960.00)	$ (3,260.00)	$ (3,750.00)	$ (4,260.00)	$ (4,790.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (470.00)	$ (1,386.00)	$ (1,954.00)	$ 492.00	$ 6,090.00	$ 4,586.00	$ 4,198.00	$ 4,262.00	$ 5,612.00	$ 6,788.00	$ 8,318.00	$ 9,412.00	$ 10,474.00	$ 11,094.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 18,140.00	$ 26,810.00	$ 32,410.00	$ 48,630.00	$ 45,710.00	$ 45,010.00	$ 46,840.00	$ 52,400.00	$ 59,700.00	$ 63,860.00	$ 78,560.00	$ 75,340.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,842.00)	$ (16,398.00)	$ (16,674.00)	$ (17,010.00)	$ (17,208.00)	$ (17,430.00)	$ (17,496.00)	$ (19,662.00)	$ (35,622.00)	$ (35,910.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 636.00	$ 4,368.00	$ 3,414.00	$ 4,320.00	$ 4,914.00	$ 5,160.00	$ 5,388.00	$ 5,736.00	$ 8,082.00
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,140.00)	$ (1,230.00)	$ (1,360.00)	$ (1,470.00)	$ (1,570.00)	$ (1,570.00)	$ (1,630.00)	$ (3,390.00)	$ (3,510.00)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 18,140.00	$ 26,810.00	$ 30,568.00	$ 31,728.00	$ 32,174.00	$ 30,054.00	$ 32,482.00	$ 38,314.00	$ 45,794.00	$ 47,956.00	$ 45,284.00	$ 44,002.00
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 270.00	$ 980.00	$ 2,370.00	$ 4,600.00
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,766.00	$ 31,656.00	$ 44,468.00	$ 63,666.00	$ 76,896.00	$ 77,082.00	$ 77,130.00	$ 80,964.00	$ 91,478.00	$ 103,406.00	$ 117,934.00	$ 125,984.00	$ 130,280.00	$ 135,668.00
PLAN D TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 456,136.60	$ 564,043.69	$ 468,001.63	$ 452,665.63	$ 466,099.63	$ 475,291.63	$ 476,637.63	$ 481,737.63	$ 497,901.63	$ 515,519.63	$ 533,493.63	$ 546,633.63	$ 557,781.63	$ 570,581.63
CAGR PLAN D (2019 BASE)													3.2%					3.1%
CAGR PLAN D (MAY 2020 BASE)													4.5%					3.9%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore Wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00158.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
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Rate Outlook 2020 to 2035

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Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL BILL PROJECTION - PLAN E, COMPANY METHODOLOGY

LARGE GENERAL SERVICE Schedule GS-4 (6,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 47,560.00	$ 57,140.00	$ 59,580.00	$ 61,400.00	$ 61,740.00	$ 60,590.00	$ 60,430.00	$ 60,370.00	$ 60,320.00	$ 60,400.00	$ 60,540.00	$ 60,570.00	$ 60,480.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 133,896.00	$ 133,392.00	$ 142,020.00	$ 146,946.00	$ 152,562.00	$ 158,754.00	$ 167,178.00	$ 174,180.00	$ 182,010.00	$ 190,668.00	$ 198,222.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 180.00	$ 174.00	$ 168.00	$ 168.00	$ 156.00	$ 144.00	$ 138.00	$ 132.00	$ 126.00	$ 126.00	$ 120.00	$ 114.00	$ 114.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	*$ 36,670.00*	*$ 34,070.00*	*$ 33,750.00*	*$ 34,570.00*	*$ 36,660.00*	*$ 30,460.00*	*$ 29,810.00*	*$ 35,750.00*	$ 35,150.00	$ 33,560.00	*$ 33,560.00*	$ 30,190.00	$ 28,680.00	$ 28,250.00	$ 27,440.00	$ 27,500.00	$ 25,880.00	$ 26,540.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 4,300.00	$ 7,220.00	$ 8,320.00	$ 10,420.00	$ 11,810.00	$ 12,670.00	$ 14,790.00	$ 15,500.00	$ 15,350.00	$ 14,790.00	$ 14,130.00	$ 13,410.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,410.00	$ 2,390.00	$ 2,830.00	$ 3,160.00	$ 3,460.00	$ 3,500.00	$ 3,260.00	$ 3,020.00	$ 2,830.00	$ 2,650.00	$ 2,480.00	$ 2,300.00
STRATEGIC UNDERGROUND PLAN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 540.00	$ 880.00	$ 1,210.00	$ 1,380.00	$ 1,480.00	$ 1,410.00	$ 1,330.00	$ 1,260.00	$ 1,210.00	$ 1,160.00	$ 1,110.00	$ 1,060.00
AS Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 3,400.00	$ 2,190.00	$ 2,110.00	$ 2,010.00	$ 1,850.00	$ 1,730.00	$ 1,630.00	$ 1,520.00	$ 1,450.00	$ 1,360.00	$ 1,280.00	$ 1,190.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 17,790.00	$ 17,262.00	$ 15,066.00	$ 14,520.00	$ 10,974.00	$ 10,032.00	$ 9,966.00	$ 8,070.00	$ 5,910.00	$ 1,914.00	$ 984.00	$ 456.00
Additional Resources in Plan E																		
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 100.00	$ 320.00	$ 220.00	$ 270.00	$ 320.00	$ 280.00	$ 250.00	$ 330.00	$ 290.00	$ 250.00	$ 210.00	$ 180.00	$ 150.00	$ 450.00
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 200.00	$ 580.00	$ 480.00	$ 610.00	$ 600.00	$ 550.00	$ 510.00	$ 470.00	$ 440.00	$ 420.00	$ 380.00	$ 340.00	$ 310.00	$ 280.00
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 110.00	$ 380.00	$ 240.00	$ 220.00	$ 200.00	$ 200.00	$ 220.00	$ 230.00	$ 200.00	$ 200.00	$ 190.00	$ 160.00	$ 180.00
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 120.00	$ 420.00	$ 330.00	$ 400.00	$ 390.00	$ 350.00	$ 320.00	$ 320.00	$ 310.00	$ 290.00	$ 260.00	$ 320.00	$ 310.00	$ 290.00
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 60.00	$ 390.00	$ 280.00	$ 350.00	$ 360.00	$ 350.00	$ 340.00	$ 320.00	$ 290.00	$ 280.00	$ 280.00	$ 240.00	$ 260.00	$ 260.00
RPS Program-Related Resources Plan E																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,074.00	$ 19,908.00	$ 14,226.00	$ 12,222.00	$ 10,326.00	$ 13,800.00	$ 17,388.00	$ 19,896.00	$ 22,224.00	$ 24,084.00	$ 26,592.00	$ 29,562.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 7,850.00	$ 15,160.00	$ 25,400.00	$ 35,950.00	$ 47,350.00	$ 56,260.00	$ 64,850.00	$ 72,220.00	$ 78,840.00	$ 85,270.00	$ 91,560.00	$ 97,730.00	$ 103,720.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (234.00)	$ (1,434.00)	$ (5,538.00)	$ (5,400.00)	$ (9,648.00)	$ (13,278.00)	$ (17,478.00)	$ (21,798.00)	$ (25,692.00)	$ (30,186.00)	$ (34,272.00)	$ (38,766.00)	$ (43,134.00)	$ (47,022.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,572.00)	$ (3,732.00)	$ (3,078.00)	$ (2,634.00)	$ (4,026.00)	$ (5,478.00)	$ (6,678.00)	$ (7,824.00)	$ (8,784.00)	$ (11,100.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (110.00)	$ (410.00)	$ (1,290.00)	$ (2,230.00)	$ (3,260.00)	$ (4,490.00)	$ (5,760.00)	$ (6,830.00)	$ (7,520.00)	$ (8,610.00)	$ (9,730.00)	$ (10,840.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,906.00	$ 6,406.00	$ 9,512.00	$ 19,590.00	$ 20,440.00	$ 28,110.00	$ 32,444.00	$ 35,928.00	$ 36,742.00	$ 36,346.00	$ 36,800.00	$ 36,360.00	$ 36,082.00	$ 34,758.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,158.00	$ 2,930.00	$ 6,028.00	$ 9,404.00	$ 12,650.00	$ 15,772.00	$ 18,960.00	$ 22,188.00	$ 25,472.00	$ 28,932.00	$ 32,358.00	$ 35,890.00	$ 39,404.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,070.00)	$ (2,448.00)	$ (4,740.00)	$ (5,214.00)	$ (6,786.00)	$ (8,658.00)	$ (10,644.00)	$ (12,690.00)	$ (14,466.00)	$ (16,614.00)	$ (18,522.00)	$ (20,646.00)	$ (22,740.00)	$ (24,732.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,542.00)	$ (2,724.00)	$ (2,016.00)	$ (1,644.00)	$ (2,370.00)	$ (3,144.00)	$ (3,744.00)	$ (4,296.00)	$ (4,758.00)	$ (5,772.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (100.00)	$ (300.00)	$ (820.00)	$ (1,340.00)	$ (1,910.00)	$ (2,580.00)	$ (3,280.00)	$ (3,860.00)	$ (4,220.00)	$ (4,800.00)	$ (5,390.00)	$ (5,990.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (470.00)	$ (1,320.00)	$ (1,910.00)	$ 514.00	$ (2,744.00)	$ (72.00)	$ 1,202.00	$ 2,048.00	$ 2,072.00	$ 1,854.00	$ 2,446.00	$ 2,616.00	$ 3,002.00	$ 2,910.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 17,760.00	$ 26,430.00	$ 32,040.00	$ 48,090.00	$ 44,620.00	$ 41,940.00	$ 38,160.00	$ 35,110.00	$ 34,010.00	$ 31,730.00	$ 29,890.00	$ 28,760.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,842.00)	$ (16,398.00)	$ (16,674.00)	$ (17,010.00)	$ (17,208.00)	$ (17,430.00)	$ (17,496.00)	$ (17,634.00)	$ (17,766.00)	$ (17,910.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (636.00)	$ (3,858.00)	$ (3,456.00)	$ (3,846.00)	$ (4,488.00)	$ (4,752.00)	$ (4,914.00)	$ (4,956.00)	$ (5,094.00)	
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,140.00)	$ (1,230.00)	$ (1,360.00)	$ (1,470.00)	$ (1,570.00)	$ (1,570.00)	$ (1,630.00)	$ (1,690.00)	$ (1,750.00)	
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 17,760.00	$ 26,430.00	$ 30,198.00	$ 29,916.00	$ 22,858.00	$ 20,114.00	$ 15,636.00	$ 11,622.00	$ 10,192.00	$ 7,552.00	$ 5,478.00	$ 4,006.00
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 270.00	$ 980.00	$ 2,370.00	$ 4,600.00	
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,766.00	$ 31,768.00	$ 44,436.00	$ 65,842.00	$ 62,120.00	$ 70,176.00	$ 66,830.00	$ 71,888.00	$ 71,838.00	$ 69,718.00	$ 71,932.00	$ 71,592.00	$ 73,524.00	$ 75,836.00
PLAN E TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 456,136.60	$ 564,145.69	$ 467,969.63	$ 456,131.63	$ 452,739.63	$ 469,975.63	$ 468,347.63	$ 475,293.63	$ 481,393.63	$ 485,485.63	$ 491,241.63	$ 493,989.63	$ 501,013.63	$ 510,151.63
CAGR PLAN E (2019 BASE)													2.9%					2.4%
CAGR PLAN E (MAY 2020 BASE)													4.1%					3.2%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

RESIDENTIAL BILL PROJECTION - PLAN A, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.43)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 16.60	$ 12.91	$ 17.45	$ 18.39	$ 19.43	$ 20.48	$ 21.20	$ 21.63	$ 22.11	$ 22.60	$ 23.07	$ 23.52	$ 23.95	$ 24.36	$ 24.74
FUEL	$ 23.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 23.49	$ 23.69	$ 26.19	$ 27.74	$ 29.24	$ 30.87	$ 32.69	$ 34.36	$ 35.10	$ 38.01	$ 39.79
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.82	$ 4.21	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 13.05	$ 8.89	$ 8.79	$ 8.52	$ 9.03	$ 8.80	$ 8.60	$ 8.66	$ 8.63	$ 8.86	$ 8.36	$ 8.69
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.59	$ 2.70	$ 3.18	$ 4.10	$ 4.83	$ 5.31	$ 6.34	$ 6.78	$ 6.84	$ 6.70	$ 6.50	$ 6.28
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.30	$ 3.18	$ 2.38	$ 3.02	$ 3.66	$ 4.22	$ 4.47	$ 4.37	$ 4.23	$ 4.09	$ 3.94	$ 3.80	$ 3.63
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.96	$ 2.87	$ 3.34	$ 3.61	$ 3.96	$ 4.46	$ 4.35	$ 4.80	$ 3.79	$ 3.71	$ 3.64	$ 3.56	$ 3.48
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.88	$ 1.28	$ 1.59	$ 1.80	$ 1.81	$ 1.79	$ 1.76	$ 1.74	$ 1.72	$ 1.70	$ 1.68
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.20	$ 0.78	$ 0.77	$ 0.75	$ 0.72	$ 0.69	$ 0.67	$ 0.64	$ 0.61	$ 0.59	$ 0.56	$ 0.53
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 3.04	$ 3.01	$ 2.71	$ 2.70	$ 2.13	$ 2.00	$ 2.04	$ 1.69	$ 1.26	$ 0.42	$ 0.22	$ 0.10
Additional Resources in Plan A																		
GAS CT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.12	$ 0.41	$ 0.84	$ 1.38	$ 2.28	$ 3.07	$ 3.67
VCHEC 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.13	$ 7.73	$ 7.34	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
BIOMASS 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.74	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RPS Program-Related Resources Plan A																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.25	$ 3.36	$ 2.47	$ 2.28	$ 1.95	$ 2.93	$ 3.65	$ 4.20	$ 4.80	$ 5.32	$ 6.01	$ 6.83
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 1.67	$ 2.93	$ 2.87	$ 2.71	$ 2.59	$ 2.49	$ 2.42	$ 2.36	$ 2.30	$ 2.23	$ 2.17	$ 2.12	$ 2.06
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.21)	$ (0.91)	$ (0.60)	$ (0.55)	$ (0.55)	$ (0.57)	$ (0.59)	$ (0.59)	$ (0.61)	$ (0.61)	$ (0.62)	$ (0.64)	$ (0.64)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.73)	$ (0.19)	$ (0.14)	$ (0.10)	$ (0.15)	$ (0.17)	$ (0.17)	$ (0.18)	$ (0.19)	$ (0.20)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.10)	$ (0.13)	$ (0.16)	$ (0.19)	$ (0.22)	$ (0.25)	$ (0.27)	$ (0.29)	$ (0.30)	$ (0.32)	$ (0.34)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 1.45	$ 1.97	$ 2.17	$ 1.30	$ 1.69	$ 1.59	$ 1.52	$ 1.37	$ 1.25	$ 1.16	$ 1.07	$ 0.98	$ 0.89
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.21	$ 0.50	$ 1.08	$ 2.50	$ 3.99	$ 5.55	$ 7.15	$ 8.84	$ 10.60	$ 12.47	$ 14.35	$ 16.34	$ 18.41
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.34)	$ (0.38)	$ (0.73)	$ (0.86)	$ (1.69)	$ (2.61)	$ (3.63)	$ (4.70)	$ (5.70)	$ (6.89)	$ (7.98)	$ (9.20)	$ (10.44)	$ (11.69)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.84)	$ (0.58)	$ (0.67)	$ (0.66)	$ (1.14)	$ (1.55)	$ (1.91)	$ (2.31)	$ (2.69)	$ (3.16)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.04)	$ (0.11)	$ (0.34)	$ (0.67)	$ (1.04)	$ (1.46)	$ (1.81)	$ (2.02)	$ (2.09)	$ (2.44)	$ (2.79)	$ (3.17)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.17)	$ (0.27)	$ 0.11	$ (0.37)	$ 0.12	$ 0.21	$ 0.34	$ 0.20	$ 0.14	$ 0.48	$ 0.40	$ 0.42	$ 0.39
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.46	$ 9.72	$ 12.02	$ 18.53	$ 17.84	$ 17.16	$ 15.96	$ 14.98	$ 14.77	$ 13.99	$ 13.39	$ 13.04
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.33)	$ (3.03)	$ (3.20)	$ (3.35)	$ (3.47)	$ (3.59)	$ (3.67)	$ (3.76)	$ (3.85)	$ (3.95)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.12)	$ (0.84)	$ (0.68)	$ (0.89)	$ (1.04)	$ (1.13)	$ (1.19)	$ (1.23)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.44)	$ (0.49)	$ (0.56)	$ (0.61)	$ (0.67)	$ (0.68)	$ (0.72)	$ (0.76)
TOTAL OFFSHORE WIND	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.46	$ 9.72	$ 11.69	$ 14.94	$ 13.31	$ 12.58	$ 10.98	$ 9.68	$ 9.29	$ 8.32	$ 7.56	$ 7.24
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.52	$ 7.81	$ 11.41	$ 15.35	$ 15.09	$ 19.02	$ 17.06	$ 17.36	$ 16.20	$ 15.27	$ 15.74	$ 15.11	$ 14.97	$ 15.35
PLAN A TOTAL	$ 122.66	$ 116.18	$ 116.54	$ 120.32	$ 140.34	$ 168.04	$ 158.74	$ 146.75	$ 149.11	$ 158.17	$ 160.10	$ 162.74	$ 165.16	$ 165.91	$ 168.38	$ 169.79	$ 171.58	$ 174.43
CAGR PLAN A (2019 BASE)													2.7%					2.2%
CAGR PLAN A (MAY 2020 BASE)													3.4%					2.6%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] *Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.*
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL BILL PROJECTION - PLAN B, DIRECTED METHODOLOGY

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.43)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 16.60	$ 12.91	$ 17.45	$ 18.39	$ 19.43	$ 20.48	$ 21.20	$ 21.63	$ 22.11	$ 22.60	$ 23.07	$ 23.52	$ 23.95	$ 24.36	$ 24.74
FUEL	$ 23.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 22.85	$ 23.31	$ 25.27	$ 26.57	$ 27.85	$ 29.35	$ 31.36	$ 33.38	$ 35.81	$ 38.51	$ 40.67
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.82	$ 4.21	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 13.05	$ 12.90	$ 12.95	$ 12.71	$ 13.22	$ 12.18	$ 11.85	$ 11.92	$ 11.79	$ 12.00	$ 11.48	$ 11.98
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.59	$ 2.70	$ 3.18	$ 4.10	$ 4.83	$ 5.31	$ 6.34	$ 6.78	$ 6.84	$ 6.70	$ 6.50	$ 6.28
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.30	$ 3.18	$ 2.38	$ 3.02	$ 3.66	$ 4.22	$ 4.47	$ 4.37	$ 4.23	$ 4.09	$ 3.94	$ 3.80	$ 3.63
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.96	$ 2.87	$ 3.34	$ 3.61	$ 3.96	$ 4.46	$ 4.35	$ 4.80	$ 3.79	$ 3.71	$ 3.64	$ 3.56	$ 3.48
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.88	$ 1.28	$ 1.59	$ 1.80	$ 1.81	$ 1.79	$ 1.76	$ 1.74	$ 1.72	$ 1.70	$ 1.68
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.20	$ 0.78	$ 0.77	$ 0.75	$ 0.72	$ 0.69	$ 0.67	$ 0.64	$ 0.61	$ 0.59	$ 0.56	$ 0.53
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 3.04	$ 3.01	$ 2.71	$ 2.70	$ 2.13	$ 2.00	$ 2.04	$ 1.69	$ 1.26	$ 0.42	$ 0.22	$ 0.10
Additional Resources in Plan B																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 0.51	$ 1.56	$ 2.81	$ 2.18	$ 1.80	$ 1.62	$ 1.44	$ 1.34	$ 1.38	$ 1.44	$ 1.53	$ 1.61	$ 1.63
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.33	$ 0.23	$ 0.22	$ 0.22	$ 0.21	$ 0.20	$ 0.19	$ 0.18	$ 0.17	$ 0.16	$ 0.15	$ 0.14	$ 0.13
RPS Program-Related Resources Plan B																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.25	$ 3.36	$ 2.52	$ 2.28	$ 1.96	$ 2.91	$ 3.65	$ 4.20	$ 4.80	$ 5.33	$ 6.02	$ 6.80
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 3.20	$ 5.16	$ 8.08	$ 11.08	$ 13.88	$ 16.57	$ 19.20	$ 21.59	$ 23.94	$ 26.30	$ 28.66	$ 31.03	$ 33.23
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.23)	$ (0.96)	$ (1.01)	$ (1.56)	$ (2.07)	$ (2.65)	$ (3.26)	$ (3.84)	$ (4.51)	$ (5.12)	$ (5.81)	$ (6.51)	$ (7.21)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.89)	$ (0.60)	$ (0.53)	$ (0.47)	$ (0.78)	$ (1.05)	$ (1.29)	$ (1.53)	$ (1.76)	$ (1.66)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.15)	$ (0.39)	$ (0.66)	$ (0.96)	$ (1.34)	$ (1.74)	$ (2.10)	$ (2.36)	$ (2.77)	$ (3.23)	$ (3.71)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 2.97	$ 4.17	$ 6.92	$ 8.24	$ 10.55	$ 12.44	$ 14.13	$ 15.24	$ 16.29	$ 17.53	$ 18.55	$ 19.54	$ 20.65
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.22	$ 0.60	$ 1.23	$ 1.79	$ 2.37	$ 3.03	$ 3.69	$ 4.38	$ 5.14	$ 5.95	$ 6.77	$ 7.65	$ 8.57
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.34)	$ (0.40)	$ (0.76)	$ (0.85)	$ (1.07)	$ (1.37)	$ (1.72)	$ (2.06)	$ (2.36)	$ (2.74)	$ (3.07)	$ (3.45)	$ (3.83)	$ (4.21)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.78)	$ (0.42)	$ (0.33)	$ (0.32)	$ (0.49)	$ (0.65)	$ (0.76)	$ (0.94)	$ (0.98)	$ (1.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.04)	$ (0.11)	$ (0.26)	$ (0.41)	$ (0.58)	$ (0.79)	$ (1.02)	$ (1.22)	$ (1.36)	$ (1.59)	$ (1.84)	$ (2.11)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.18)	$ (0.20)	$ 0.27	$ (0.32)	$ 0.19	$ 0.40	$ 0.51	$ 0.54	$ 0.75	$ 0.79	$ 1.00	$ 1.26	
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.59	$ 9.86	$ 12.16	$ 18.73	$ 18.28	$ 18.42	$ 19.59	$ 22.37	$ 25.93	$ 28.16	$ 35.19	$ 34.32
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.33)	$ (3.03)	$ (3.20)	$ (3.35)	$ (3.47)	$ (3.59)	$ (3.67)	$ (4.19)	$ (7.72)	$ (7.91)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.12)	$ (0.84)	$ (0.68)	$ (0.89)	$ (1.04)	$ (1.13)	$ (1.19)	$ (1.33)	$ (1.94)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.44)	$ (0.49)	$ (0.56)	$ (0.61)	$ (0.67)	$ (0.68)	$ (0.72)	$ (2.52)	$ (1.60)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.59	$ 9.86	$ 11.83	$ 15.15	$ 13.75	$ 13.83	$ 14.61	$ 17.06	$ 20.45	$ 22.06	$ 24.63	$ 22.87
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.12	$ 0.44
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.52	$ 9.32	$ 13.81	$ 20.41	$ 22.27	$ 28.16	$ 28.54	$ 31.38	$ 34.00	$ 38.08	$ 43.53	$ 46.72	$ 51.31	$ 52.02
PLAN B TOTAL	$ 122.66	$ 116.18	$ 116.54	$ 120.32	$ 140.21	$ 162.66	$ 154.83	$ 158.21	$ 162.48	$ 172.58	$ 176.42	$ 180.27	$ 185.81	$ 191.36	$ 198.57	$ 203.64	$ 210.22	$ 213.36
CAGR PLAN B (2019 BASE)													3.8%					3.5%
CAGR PLAN B (MAY 2020 BASE)													4.5%					4.0%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] *No assumptions modeled for exemptions to Riders OSW & PIPP.*
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] *While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.*

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

RESIDENTIAL BILL PROJECTION - PLAN C, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.43)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 16.60	$ 12.91	$ 17.45	$ 18.39	$ 19.43	$ 20.48	$ 21.20	$ 21.63	$ 22.11	$ 22.60	$ 23.07	$ 23.52	$ 23.95	$ 24.36	$ 24.74
FUEL	$ 23.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 23.06	$ 23.40	$ 25.03	$ 25.35	$ 27.72	$ 29.32	$ 31.43	$ 33.54	$ 35.60	$ 38.05	$ 40.40
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.82	$ 4.21	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 13.05	$ 12.90	$ 12.95	$ 12.71	$ 13.21	$ 12.18	$ 11.85	$ 11.92	$ 11.79	$ 12.00	$ 11.48	$ 11.98
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.59	$ 2.70	$ 3.18	$ 4.10	$ 4.83	$ 5.31	$ 6.34	$ 6.78	$ 6.84	$ 6.70	$ 6.50	$ 6.28
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.30	$ 3.18	$ 2.38	$ 3.02	$ 3.66	$ 4.22	$ 4.47	$ 4.37	$ 4.23	$ 4.09	$ 3.94	$ 3.80	$ 3.63
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.96	$ 2.87	$ 3.34	$ 3.61	$ 3.96	$ 4.46	$ 4.35	$ 4.80	$ 3.79	$ 3.71	$ 3.64	$ 3.56	$ 3.48
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.88	$ 1.28	$ 1.59	$ 1.80	$ 1.81	$ 1.79	$ 1.76	$ 1.74	$ 1.72	$ 1.70	$ 1.68
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.20	$ 0.78	$ 0.77	$ 0.75	$ 0.72	$ 0.69	$ 0.67	$ 0.64	$ 0.61	$ 0.59	$ 0.56	$ 0.53
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 3.04	$ 3.01	$ 2.71	$ 2.70	$ 2.13	$ 2.00	$ 2.04	$ 1.69	$ 1.26	$ 0.42	$ 0.22	$ 0.10
Additional Resources in Plan C																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 0.51	$ 1.56	$ 2.81	$ 2.18	$ 1.80	$ 1.62	$ 1.44	$ 1.34	$ 1.38	$ 1.44	$ 1.53	$ 1.61	$ 1.63
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.08	$ 0.25	$ 0.23	$ 0.22	$ 0.22	$ 0.21	$ 0.20	$ 0.19	$ 0.18	$ 0.17	$ 0.16	$ 0.15	$ 0.14	$ 0.13
RPS Program-Related Resources Plan C																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.25	$ 3.37	$ 2.51	$ 2.28	$ 1.91	$ 3.04	$ 3.71	$ 4.21	$ 4.82	$ 5.35	$ 6.05	$ 6.87
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 2.93	$ 4.55	$ 5.94	$ 6.75	$ 8.30	$ 10.77	$ 13.14	$ 15.27	$ 17.23	$ 19.14	$ 21.03	$ 22.91	$ 24.78
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.23)	$ (0.95)	$ (0.94)	$ (1.03)	$ (1.32)	$ (1.97)	$ (2.65)	$ (3.30)	$ (4.06)	$ (4.76)	$ (5.55)	$ (6.35)	$ (7.15)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.86)	$ (0.41)	$ (0.34)	$ (0.38)	$ (0.71)	$ (0.96)	$ (1.17)	$ (1.39)	$ (1.62)	$ (1.88)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.14)	$ (0.24)	$ (0.36)	$ (0.61)	$ (0.89)	$ (1.15)	$ (1.33)	$ (1.43)	$ (1.66)	$ (1.90)	$ (2.15)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 2.69	$ 3.56	$ 4.86	$ 4.63	$ 6.22	$ 7.85	$ 9.22	$ 10.10	$ 10.88	$ 11.79	$ 12.44	$ 13.04	$ 13.60
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.21	$ 0.58	$ 1.20	$ 1.23	$ 1.42	$ 1.96	$ 2.52	$ 3.11	$ 3.73	$ 4.38	$ 5.04	$ 5.74	$ 6.46
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.34)	$ (0.38)	$ (0.74)	$ (0.83)	$ (0.77)	$ (0.89)	$ (1.25)	$ (1.62)	$ (1.97)	$ (2.39)	$ (2.77)	$ (3.20)	$ (3.63)	$ (4.07)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.78)	$ (0.31)	$ (0.24)	$ (0.24)	$ (0.44)	$ (0.58)	$ (0.69)	$ (0.81)	$ (0.94)	$ (1.08)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.04)	$ (0.11)	$ (0.17)	$ (0.24)	$ (0.39)	$ (0.55)	$ (0.70)	$ (0.81)	$ (0.86)	$ (0.99)	$ (1.13)	$ (1.27)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.17)	$ (0.19)	$ 0.26	$ (0.49)	$ (0.03)	$ 0.08	$ 0.11	$ (0.00)	$ (0.04)	$ 0.06	$ 0.04	$ 0.04	$ 0.05
RIDER OSW [2]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.46	$ 9.72	$ 12.02	$ 18.53	$ 17.84	$ 17.16	$ 15.96	$ 15.28	$ 15.13	$ 14.45	$ 14.00	$ 13.89
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.33)	$ (3.03)	$ (3.20)	$ (3.35)	$ (3.47)	$ (3.59)	$ (3.67)	$ (3.76)	$ (3.85)	$ (3.95)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.12)	$ (0.93)	$ (0.70)	$ (1.01)	$ (1.10)	$ (1.12)	$ (1.15)	$ (1.18)	$ (1.22)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.44)	$ (0.49)	$ (0.56)	$ (0.61)	$ (0.67)	$ (0.68)	$ (0.72)	$ (0.76)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.46	$ 9.72	$ 11.69	$ 14.94	$ 13.22	$ 12.55	$ 10.87	$ 9.92	$ 9.66	$ 8.82	$ 8.21	$ 7.92
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.12	$ 0.30	$ 0.61	$ 1.12
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.52	$ 9.05	$ 13.07	$ 18.20	$ 18.35	$ 23.41	$ 23.06	$ 24.91	$ 24.67	$ 24.97	$ 26.44	$ 26.96	$ 27.96	$ 29.56
PLAN C TOTAL	$ 122.66	$ 116.18	$ 116.54	$ 120.32	$ 140.29	$ 162.31	$ 154.09	$ 156.21	$ 158.64	$ 167.59	$ 170.72	$ 173.67	$ 176.45	$ 178.31	$ 181.64	$ 183.66	$ 186.40	$ 190.62
CAGR PLAN C (2019 BASE)													3.4%					2.8%
CAGR PLAN C (MAY 2020 BASE)													4.0%					3.2%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL BILL PROJECTION - PLAN D, DIRECTED METHODOLOGY

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.43)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 16.60	$ 12.91	$ 17.45	$ 18.39	$ 19.43	$ 20.48	$ 21.20	$ 21.63	$ 22.11	$ 22.60	$ 23.07	$ 23.52	$ 23.95	$ 24.36	$ 24.74
FUEL	$ 23.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 22.85	$ 23.31	$ 25.28	$ 26.60	$ 27.90	$ 29.43	$ 31.46	$ 33.49	$ 35.94	$ 38.66	$ 40.82
DSM (APPROVED PROGRAMS)	$ 1.13	$ 1.13	$ 1.47	$ 1.31	$ 1.60	$ 2.82	$ 4.21	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.09	$ 0.03	$ 1.19	$ 1.19	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.13	$ 1.19	$ 1.13	$ 1.13	$ 1.13	$ 1.13
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 13.39	$ 14.51	$ 13.11	$ 13.05	$ 12.90	$ 12.95	$ 12.71	$ 13.22	$ 12.18	$ 11.85	$ 11.92	$ 11.79	$ 12.00	$ 11.48	$ 11.98
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.59	$ 2.70	$ 3.18	$ 4.10	$ 4.85	$ 5.31	$ 6.34	$ 6.78	$ 6.84	$ 6.70	$ 6.50	$ 6.28
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.50	$ 3.18	$ 2.38	$ 3.02	$ 3.66	$ 4.22	$ 4.47	$ 4.37	$ 4.23	$ 4.09	$ 3.94	$ 3.80	$ 3.65
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.96	$ 2.87	$ 3.34	$ 3.61	$ 3.96	$ 4.46	$ 4.55	$ 4.80	$ 3.79	$ 3.71	$ 3.64	$ 3.56	$ 3.48
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.88	$ 1.28	$ 1.59	$ 1.80	$ 1.81	$ 1.79	$ 1.76	$ 1.74	$ 1.72	$ 1.70	$ 1.68
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.20	$ 0.78	$ 0.77	$ 0.75	$ 0.72	$ 0.69	$ 0.67	$ 0.64	$ 0.61	$ 0.59	$ 0.56	$ 0.53
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.96	$ 3.05	$ 3.04	$ 3.01	$ 2.71	$ 2.70	$ 2.13	$ 2.00	$ 2.04	$ 1.69	$ 1.26	$ 0.42	$ 0.22	$ 0.10
Additional Resources in Plan D																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 0.51	$ 1.56	$ 2.81	$ 2.18	$ 1.80	$ 1.62	$ 1.44	$ 1.34	$ 1.38	$ 1.44	$ 1.53	$ 1.61	$ 1.63
BEAR GARDEN 2038 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.04	$ 0.14	$ 0.10	$ 0.10	$ 0.12	$ 0.11	$ 0.10	$ 0.13	$ 0.12	$ 0.10	$ 0.09	$ 0.08	$ 0.07	$ 0.20
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.08	$ 0.25	$ 0.23	$ 0.22	$ 0.22	$ 0.21	$ 0.20	$ 0.19	$ 0.18	$ 0.17	$ 0.16	$ 0.15	$ 0.14	$ 0.13
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.05	$ 0.08	$ 0.08	$ 0.08	$ 0.08	$ 0.08	$ 0.09	$ 0.09	$ 0.08	$ 0.09	$ 0.08	$ 0.07	$ 0.08
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.05	$ 0.18	$ 0.15	$ 0.14	$ 0.14	$ 0.13	$ 0.13	$ 0.13	$ 0.13	$ 0.12	$ 0.11	$ 0.14	$ 0.14	$ 0.13
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.02	$ 0.17	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.12	$ 0.13	$ 0.13	$ 0.11	$ 0.12	$ 0.12
RPS Program-Related Resources Plan D																		
RIDER RPS [6]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.25	$ 3.36	$ 2.52	$ 2.28	$ 1.95	$ 2.90	$ 3.64	$ 4.19	$ 4.79	$ 5.31	$ 5.99	$ 6.76
RIDER CE [5]	$ -	$ -	$ -	$ 0.19	$ 1.36	$ 3.20	$ 5.17	$ 8.14	$ 11.22	$ 14.19	$ 17.39	$ 20.43	$ 23.27	$ 25.07	$ 28.86	$ 31.84	$ 34.52	$ 37.57
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.23)	$ (0.96)	$ (1.01)	$ (1.56)	$ (2.08)	$ (2.75)	$ (3.48)	$ (4.16)	$ (4.95)	$ (5.68)	$ (6.50)	$ (7.32)	$ (8.07)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.88)	$ (0.60)	$ (0.53)	$ (0.49)	$ (0.82)	$ (1.12)	$ (1.36)	$ (1.64)	$ (1.86)	$ (1.91)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.15)	$ (0.59)	$ (0.68)	$ (0.97)	$ (1.36)	$ (1.76)	$ (2.13)	$ (2.40)	$ (2.83)	$ (3.29)	$ (3.79)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 2.97	$ 4.17	$ 6.98	$ 8.99	$ 10.83	$ 13.08	$ 15.11	$ 16.52	$ 17.88	$ 19.41	$ 20.68	$ 22.05	$ 23.81
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.91	$ 0.22	$ 0.60	$ 1.23	$ 1.79	$ 2.57	$ 3.03	$ 3.69	$ 4.38	$ 5.14	$ 5.95	$ 6.77	$ 7.65	$ 8.57
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.34)	$ (0.38)	$ (0.74)	$ (0.84)	$ (1.06)	$ (1.36)	$ (1.71)	$ (2.05)	$ (2.35)	$ (2.78)	$ (3.06)	$ (3.44)	$ (3.81)	$ (4.19)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.78)	$ (0.41)	$ (0.35)	$ (0.30)	$ (0.47)	$ (0.62)	$ (0.74)	$ (0.87)	$ (0.97)	$ (0.92)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.04)	$ (0.11)	$ (0.26)	$ (0.41)	$ (0.58)	$ (0.79)	$ (1.02)	$ (1.22)	$ (1.36)	$ (1.59)	$ (1.84)	$ (2.11)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.16)	$ (0.18)	$ 0.28	$ (0.31)	$ 0.20	$ 0.39	$ 0.55	$ 0.54	$ 0.58	$ 0.79	$ 0.87	$ 1.03	$ 1.36
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.59	$ 9.86	$ 12.16	$ 18.73	$ 18.28	$ 18.42	$ 19.59	$ 22.37	$ 25.93	$ 28.16	$ 30.19	$ 34.82
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.33)	$ (3.03)	$ (3.20)	$ (3.55)	$ (3.47)	$ (3.59)	$ (3.67)	$ (4.19)	$ (7.72)	$ (7.91)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.12)	$ (0.84)	$ (0.67)	$ (0.87)	$ (1.01)	$ (1.08)	$ (1.15)	$ (1.24)	$ (1.78)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.44)	$ (0.49)	$ (0.56)	$ (0.61)	$ (0.67)	$ (0.68)	$ (0.72)	$ (1.52)	$ (1.60)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.59	$ 9.86	$ 11.83	$ 15.15	$ 13.75	$ 13.84	$ 14.63	$ 17.09	$ 20.50	$ 22.10	$ 24.71	$ 23.03
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.12	$ 0.42	$ 1.04	$ 2.06
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.52	$ 9.34	$ 13.84	$ 20.48	$ 22.43	$ 28.47	$ 29.17	$ 32.39	$ 35.33	$ 39.73	$ 45.60	$ 49.37	$ 54.83	$ 57.01
PLAN D TOTAL	$ 122.66	$ 116.18	$ 116.54	$ 120.92	$ 140.40	$ 163.14	$ 159.43	$ 158.73	$ 163.11	$ 179.56	$ 177.52	$ 181.81	$ 187.68	$ 193.54	$ 201.16	$ 206.83	$ 214.28	$ 219.03
CAGR PLAN D (2019 BASE)													5.9%					5.7%
CAGR PLAN D (MAY 2020 BASE)													4.6%					4.1%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, SW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore Wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

RESIDENTIAL BILL PROJECTION - PLAN E, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

RESIDENTIAL Schedule 1 (1,000 kWh)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 61.82	$ 61.82	$ 61.82	$ 61.82	$ 60.93	$ 60.93	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71	$ 60.71
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (0.47)	$ (0.45)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 19.72	$ 19.72	$ 20.29	$ 18.60	$ 12.91	$ 17.45	$ 18.39	$ 19.43	$ 20.48	$ 21.20	$ 21.63	$ 22.11	$ 22.60	$ 23.07	$ 23.52	$ 23.95	$ 24.56	$ 24.74
FUEL	$ 25.25	$ 17.36	$ 17.02	$ 20.45	$ 35.38	$ 49.09	$ 29.37	$ 23.08	$ 23.56	$ 25.55	$ 26.92	$ 28.30	$ 29.90	$ 32.03	$ 34.15	$ 36.19	$ 38.59	$ 40.84
DSM (APPROVED PROGRAMS)	$ 1.15	$ 1.13	$ 1.47	$ 1.51	$ 1.60	$ 2.82	$ 4.21	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65	$ 4.65
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.03	$ 0.03	$ 1.13	$ 1.18	$ 1.18	$ 1.13	$ 1.13	$ 1.18	$ 1.15	$ 1.13	$ 1.18	$ 1.19	$ 1.13	$ 1.19	$ 1.15
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 12.91	$ 12.76	$ 12.87	$ 15.39	$ 14.51	$ 13.11	$ 13.05	$ 12.90	$ 12.95	$ 12.71	$ 13.22	$ 12.18	$ 11.85	$ 11.92	$ 11.79	$ 12.00	$ 11.48	$ 11.98
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 2.06	$ 1.85	$ 1.59	$ 2.70	$ 3.18	$ 4.10	$ 4.83	$ 5.31	$ 6.34	$ 6.78	$ 8.84	$ 6.70	$ 6.50	$ 6.28
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1.16	$ 0.30	$ 3.18	$ 2.88	$ 3.02	$ 3.66	$ 4.22	$ 4.47	$ 4.57	$ 4.23	$ 4.09	$ 3.94	$ 3.80	$ 3.63
STRATEGIC UNDERGROUND PLAN	$ 1.84	$ 1.40	$ 1.40	$ 2.14	$ 2.50	$ 1.98	$ 2.87	$ 3.34	$ 3.61	$ 3.96	$ 4.46	$ 4.35	$ 4.80	$ 3.79	$ 3.71	$ 3.64	$ 3.56	$ 3.48
RURAL BROADBAND	$ -	$ -	$ -	$ 0.03	$ 0.17	$ 0.30	$ 0.50	$ 0.88	$ 1.28	$ 1.59	$ 1.80	$ 1.81	$ 1.79	$ 1.76	$ 1.74	$ 1.72	$ 1.70	$ 1.68
AS Environmental																		
RIDER E	$ 1.99	$ 1.99	$ 1.67	$ 1.25	$ 1.95	$ 0.95	$ 1.20	$ 0.78	$ 0.77	$ 0.75	$ 0.72	$ 0.69	$ 0.67	$ 0.64	$ 0.61	$ 0.59	$ 0.56	$ 0.53
RIDER CCR	$ -	$ -	$ -	$ 2.95	$ 2.98	$ 3.05	$ 3.04	$ 3.01	$ 2.71	$ 2.70	$ 2.13	$ 2.00	$ 2.04	$ 1.69	$ 1.26	$ 0.42	$ 0.22	$ 0.10
Additional Resources in Plan E																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 0.51	$ 1.56	$ 2.81	$ 2.18	$ 1.80	$ 1.62	$ 1.44	$ 1.84	$ 1.38	$ 1.44	$ 1.53	$ 1.61	$ 1.65
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.04	$ 0.14	$ 0.10	$ 0.10	$ 0.12	$ 0.11	$ 0.10	$ 0.13	$ 0.12	$ 0.10	$ 0.09	$ 0.08	$ 0.07	$ 0.20
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.08	$ 0.25	$ 0.23	$ 0.22	$ 0.22	$ 0.21	$ 0.20	$ 0.19	$ 0.18	$ 0.17	$ 0.16	$ 0.15	$ 0.14	$ 0.13
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.05	$ 0.18	$ 0.08	$ 0.08	$ 0.08	$ 0.08	$ 0.09	$ 0.09	$ 0.08	$ 0.09	$ 0.08	$ 0.07	$ 0.08
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.05	$ 0.18	$ 0.15	$ 0.14	$ 0.14	$ 0.13	$ 0.13	$ 0.13	$ 0.13	$ 0.12	$ 0.11	$ 0.14	$ 0.14	$ 0.13
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.02	$ 0.17	$ 0.14	$ 0.13	$ 0.14	$ 0.14	$ 0.14	$ 0.14	$ 0.12	$ 0.13	$ 0.15	$ 0.11	$ 0.12	$ 0.12
RPS Program-Related Resources Plan E																		
RIDER RPS [5]	$ -	$ -	$ -	$ 0.18	$ 1.81	$ 3.11	$ 3.25	$ 3.36	$ 2.52	$ 2.28	$ 2.00	$ 2.78	$ 3.58	$ 4.17	$ 4.76	$ 5.25	$ 5.91	$ 6.68
RIDER CE [6]	$ -	$ -	$ -	$ 0.19	$ 1.38	$ 3.21	$ 5.27	$ 8.93	$ 12.92	$ 17.47	$ 21.58	$ 25.49	$ 29.03	$ 32.38	$ 35.66	$ 38.90	$ 42.20	$ 45.57
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.04)	$ (0.28)	$ (0.95)	$ (0.97)	$ (1.69)	$ (2.56)	$ (3.21)	$ (4.09)	$ (4.92)	$ (5.90)	$ (6.81)	$ (7.82)	$ (8.83)	$ (9.78)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.86)	$ (0.65)	$ (0.57)	$ (0.52)	$ (0.85)	$ (1.17)	$ (1.45)	$ (1.73)	$ (1.98)	$ (2.30)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.01)	$ (0.04)	$ (0.14)	$ (0.46)	$ (0.83)	$ (1.26)	$ (1.77)	$ (2.32)	$ (2.81)	$ (3.15)	$ (3.66)	$ (4.20)	$ (4.77)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.19	$ 1.32	$ 2.99	$ 4.28	$ 7.82	$ 9.91	$ 13.65	$ 16.55	$ 19.12	$ 20.95	$ 22.50	$ 24.26	$ 25.70	$ 27.19	$ 28.79
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 0.31	$ 0.21	$ 0.58	$ 1.22	$ 1.99	$ 2.80	$ 3.64	$ 4.51	$ 5.43	$ 6.38	$ 7.39	$ 8.42	$ 9.51	$ 10.64
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.34)	$ (0.58)	$ (0.74)	$ (0.85)	$ (1.12)	$ (1.48)	$ (1.89)	$ (2.31)	$ (2.70)	$ (3.17)	$ (3.60)	$ (4.08)	$ (4.56)	$ (5.05)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.78)	$ (0.44)	$ (0.36)	$ (0.31)	$ (0.46)	$ (0.62)	$ (0.75)	$ (0.88)	$ (1.00)	$ (1.14)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.03)	$ (0.01)	$ (0.04)	$ (0.11)	$ (0.29)	$ (0.50)	$ (0.73)	$ (1.01)	$ (1.32)	$ (1.59)	$ (1.76)	$ (2.04)	$ (2.33)	$ (2.63)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.07)	$ (0.17)	$ (0.19)	$ 0.27	$ (0.21)	$ 0.38	$ 0.66	$ 0.88	$ 0.95	$ 1.01	$ 1.28	$ 1.43	$ 1.62	$ 1.81
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.46	$ 9.72	$ 12.02	$ 18.53	$ 17.84	$ 17.16	$ 15.96	$ 14.98	$ 14.77	$ 13.99	$ 13.39	$ 13.10
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.33)	$ (3.03)	$ (3.20)	$ (3.35)	$ (3.47)	$ (3.59)	$ (3.67)	$ (3.76)	$ (3.85)	$ (3.95)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.12)	$ (0.74)	$ (0.68)	$ (0.78)	$ (0.93)	$ (1.00)	$ (1.05)	$ (1.07)	$ (1.12)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.44)	$ (0.49)	$ (0.56)	$ (0.61)	$ (0.67)	$ (0.68)	$ (0.72)	$ (0.76)	$ (0.80)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 1.45	$ 3.42	$ 6.46	$ 9.72	$ 11.69	$ 14.94	$ 13.41	$ 12.57	$ 11.10	$ 9.80	$ 9.42	$ 8.48	$ 7.71	$ 7.23
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.12	$ 0.42	$ 1.04	$ 2.06
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 0.37	$ 4.52	$ 9.34	$ 13.79	$ 21.17	$ 29.93	$ 51.29	$ 32.63	$ 35.35	$ 36.57	$ 37.48	$ 39.84	$ 41.26	$ 43.48	$ 46.51
PLAN E TOTAL	$ 122.68	$ 116.18	$ 116.54	$ 120.32	$ 140.40	$ 163.14	$ 155.38	$ 159.86	$ 184.85	$ 176.89	$ 181.50	$ 183.17	$ 189.39	$ 191.86	$ 196.06	$ 198.98	$ 202.85	$ 208.55
CAGR PLAN E (2019 BASE)													4.0%					5.4%
CAGR PLAN E (MAY 2020 BASE)													4.7%					3.8%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

SMALL GENERAL BILL PROJECTION - PLAN A, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 79.87	$ 84.16	$ 88.92	$ 93.73	$ 97.01	$ 98.98	$ 101.17	$ 103.42	$ 105.59	$ 107.64	$ 109.60	$ 111.46	$ 113.21
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 140.92	$ 142.15	$ 157.15	$ 166.45	$ 175.44	$ 185.20	$ 196.14	$ 206.17	$ 216.61	$ 228.05	$ 238.73
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.32	$ 16.89	$ 18.65	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 60.51	$ 40.39	$ 39.86	$ 38.71	$ 41.12	$ 40.02	$ 39.07	$ 39.40	$ 39.26	$ 40.32	$ 38.01	$ 39.58
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 6.03	$ 10.24	$ 12.07	$ 15.52	$ 18.30	$ 20.11	$ 24.02	$ 25.69	$ 25.94	$ 25.39	$ 24.64	$ 23.81
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.75	$ 11.05	$ 13.98	$ 16.96	$ 19.57	$ 20.73	$ 20.29	$ 19.64	$ 18.98	$ 18.26	$ 17.61	$ 16.85
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.74	$ 11.35	$ 13.23	$ 14.30	$ 15.69	$ 17.64	$ 17.23	$ 19.01	$ 14.98	$ 14.68	$ 14.38	$ 14.09	$ 13.78
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.32	$ 4.09	$ 5.95	$ 7.35	$ 8.37	$ 8.39	$ 8.28	$ 8.17	$ 8.08	$ 7.99	$ 7.89	$ 7.80
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.69	$ 3.70	$ 3.64	$ 3.56	$ 3.41	$ 3.28	$ 3.15	$ 3.02	$ 2.89	$ 2.77	$ 2.65	$ 2.53
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 18.26	$ 18.08	$ 16.23	$ 16.21	$ 12.76	$ 11.99	$ 12.22	$ 10.12	$ 7.55	$ 2.49	$ 1.30	$ 0.62
Additional Resources in Plan A																		
GAS CT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.60	$ 1.97	$ 4.08	$ 6.70	$ 11.06	$ 14.87	$ 17.80
VCHEC 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.52	$ 36.42	$ 35.61	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
BIOMASS 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ -	$ 3.59	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RPS Program-Related Resources Plan A																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.50	$ 20.15	$ 14.79	$ 13.66	$ 11.71	$ 17.57	$ 21.92	$ 25.18	$ 28.79	$ 31.94	$ 36.08	$ 41.00
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 7.93	$ 13.89	$ 13.64	$ 12.86	$ 12.28	$ 11.81	$ 11.50	$ 11.20	$ 10.90	$ 10.60	$ 10.33	$ 10.08	$ 9.79
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.22)	$ (1.28)	$ (5.46)	$ (3.60)	$ (3.29)	$ (3.32)	$ (3.43)	$ (3.51)	$ (3.53)	$ (3.64)	$ (3.67)	$ (3.74)	$ (3.81)	$ (3.86)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.36)	$ (1.13)	$ (0.86)	$ (0.62)	$ (0.87)	$ (0.99)	$ (1.04)	$ (1.10)	$ (1.13)	$ (1.18)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.19)	$ (0.47)	$ (0.61)	$ (0.74)	$ (0.89)	$ (1.04)	$ (1.19)	$ (1.29)	$ (1.36)	$ (1.45)	$ (1.52)	$ (1.60)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.19	$ 6.63	$ 8.24	$ 9.56	$ 4.59	$ 7.08	$ 6.64	$ 6.34	$ 5.60	$ 4.99	$ 4.52	$ 4.04	$ 3.62	$ 3.15
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.24	$ 2.86	$ 6.23	$ 14.53	$ 23.19	$ 32.29	$ 41.65	$ 51.50	$ 61.75	$ 72.62	$ 83.59	$ 95.19	$ 107.27
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.06)	$ (2.26)	$ (4.36)	$ (5.17)	$ (10.15)	$ (15.67)	$ (21.80)	$ (28.19)	$ (34.22)	$ (41.31)	$ (47.89)	$ (55.20)	$ (62.64)	$ (70.13)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5.03)	$ (3.49)	$ (4.00)	$ (3.97)	$ (6.81)	$ (9.30)	$ (11.47)	$ (13.87)	$ (16.13)	$ (18.96)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.50)	$ (1.63)	$ (3.19)	$ (4.93)	$ (6.91)	$ (8.59)	$ (9.61)	$ (9.94)	$ (11.56)	$ (13.27)	$ (15.06)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.43)	$ (1.07)	$ (1.67)	$ 0.56	$ (2.28)	$ 0.85	$ 1.56	$ 2.57	$ 1.88	$ 1.53	$ 3.32	$ 2.96	$ 3.15	$ 3.11
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 28.85	$ 43.42	$ 53.74	$ 82.80	$ 79.74	$ 76.69	$ 71.33	$ 66.97	$ 66.03	$ 62.53	$ 59.85	$ 58.26
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (18.17)	$ (19.18)	$ (20.10)	$ (20.83)	$ (21.56)	$ (22.03)	$ (22.57)	$ (23.09)	$ (23.68)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.70)	$ (5.03)	$ (4.06)	$ (5.35)	$ (6.26)	$ (6.76)	$ (7.12)	$ (7.36)	$ (6.33)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (2.20)	$ (2.48)	$ (2.74)	$ (2.99)	$ (3.05)	$ (3.22)	$ (3.39)	$ (3.56)
TOTAL OFFSHORE WIND	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 28.85	$ 43.42	$ 51.76	$ 61.96	$ 53.33	$ 50.05	$ 42.41	$ 36.16	$ 34.20	$ 29.63	$ 26.01	$ 24.69
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.43	$ 39.51	$ 54.92	$ 73.69	$ 68.86	$ 83.54	$ 73.24	$ 76.53	$ 71.81	$ 67.85	$ 70.84	$ 68.56	$ 68.86	$ 71.96
PLAN A TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 671.01	$ 831.51	$ 756.74	$ 689.42	$ 695.91	$ 736.84	$ 744.96	$ 760.63	$ 773.59	$ 779.83	$ 793.89	$ 802.57	$ 814.57	$ 831.82
CAGR PLAN A (2019 BASE)													2.8%					2.3%
CAGR PLAN A (MAY 2020 BASE)													3.6%					2.9%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

SMALL GENERAL BILL PROJECTION - PLAN B, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 79.87	$ 84.16	$ 88.92	$ 93.73	$ 97.01	$ 98.98	$ 101.17	$ 103.42	$ 105.59	$ 107.64	$ 109.60	$ 111.46	$ 113.21
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 137.12	$ 139.87	$ 151.60	$ 159.42	$ 167.09	$ 176.11	$ 188.18	$ 200.28	$ 214.87	$ 231.04	$ 244.01
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.32	$ 16.89	$ 18.65	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 60.51	$ 59.81	$ 60.07	$ 59.03	$ 61.41	$ 56.42	$ 54.84	$ 55.19	$ 54.56	$ 55.54	$ 53.12	$ 55.55
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 6.03	$ 10.24	$ 12.07	$ 15.52	$ 18.30	$ 20.11	$ 24.02	$ 25.69	$ 25.94	$ 25.39	$ 24.64	$ 23.81
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.75	$ 11.05	$ 13.98	$ 16.96	$ 19.57	$ 20.73	$ 20.29	$ 19.64	$ 18.98	$ 18.26	$ 17.61	$ 16.85
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.74	$ 11.35	$ 13.23	$ 14.30	$ 15.69	$ 17.64	$ 17.23	$ 19.01	$ 14.98	$ 14.68	$ 14.38	$ 14.09	$ 13.78
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.32	$ 4.09	$ 5.95	$ 7.35	$ 8.37	$ 8.39	$ 8.28	$ 8.17	$ 8.08	$ 7.99	$ 7.89	$ 7.80
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.69	$ 3.70	$ 3.64	$ 3.56	$ 3.41	$ 3.28	$ 3.15	$ 3.02	$ 2.89	$ 2.77	$ 2.65	$ 2.53
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 18.26	$ 18.08	$ 16.23	$ 16.21	$ 12.76	$ 11.99	$ 12.22	$ 10.12	$ 7.55	$ 2.49	$ 1.30	$ 0.62
Additional Resources in Plan B																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 2.06	$ 6.26	$ 11.28	$ 8.76	$ 7.21	$ 6.52	$ 5.80	$ 5.38	$ 5.52	$ 5.79	$ 6.13	$ 6.45	$ 6.52
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 1.53	$ 1.09	$ 1.06	$ 1.06	$ 1.00	$ 0.98	$ 0.91	$ 0.88	$ 0.85	$ 0.77	$ 0.71	$ 0.67	$ 0.61
RPS Program-Related Resources Plan B																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.50	$ 20.18	$ 15.13	$ 13.66	$ 11.75	$ 17.43	$ 21.87	$ 25.18	$ 28.80	$ 31.97	$ 35.12	$ 40.79
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 15.20	$ 24.52	$ 38.36	$ 52.59	$ 65.89	$ 78.68	$ 91.16	$ 102.53	$ 113.70	$ 124.87	$ 136.10	$ 147.36	$ 157.81
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.22)	$ (1.37)	$ (5.74)	$ (6.06)	$ (9.34)	$ (12.40)	$ (15.88)	$ (19.58)	$ (23.01)	$ (27.03)	$ (30.72)	$ (34.85)	$ (39.05)	$ (43.26)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5.33)	$ (3.61)	$ (3.17)	$ (2.80)	$ (4.67)	$ (6.29)	$ (7.72)	$ (9.16)	$ (10.53)	$ (9.95)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.19)	$ (0.71)	$ (1.87)	$ (3.12)	$ (4.56)	$ (6.38)	$ (8.27)	$ (9.96)	$ (11.21)	$ (13.18)	$ (15.34)	$ (17.62)	
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.19	$ 13.80	$ 18.59	$ 31.59	$ 36.06	$ 46.76	$ 55.07	$ 62.41	$ 66.58	$ 70.42	$ 75.22	$ 78.91	$ 82.44	$ 86.98
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.30	$ 3.38	$ 6.97	$ 10.12	$ 13.45	$ 17.14	$ 20.83	$ 24.70	$ 28.90	$ 33.40	$ 37.91	$ 42.78	$ 47.86
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.06)	$ (2.38)	$ (4.57)	$ (5.12)	$ (6.41)	$ (8.21)	$ (10.33)	$ (12.35)	$ (14.16)	$ (16.42)	$ (18.44)	$ (20.69)	$ (22.96)	$ (25.24)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.69)	$ (2.49)	$ (1.97)	$ (1.93)	$ (2.95)	$ (3.88)	$ (4.58)	$ (5.63)	$ (5.90)	$ (5.99)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.52)	$ (1.22)	$ (1.92)	$ (2.74)	$ (3.77)	$ (4.83)	$ (5.78)	$ (6.47)	$ (7.55)	$ (8.74)	$ (10.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.43)	$ (1.13)	$ (1.36)	$ 1.32	$ (2.21)	$ 0.83	$ 2.09	$ 2.78	$ 2.76	$ 2.81	$ 3.91	$ 4.03	$ 5.17	$ 6.64
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 29.47	$ 44.05	$ 54.36	$ 83.73	$ 81.68	$ 82.31	$ 87.56	$ 99.96	$ 115.90	$ 125.85	$ 157.30	$ 153.38
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (18.17)	$ (19.18)	$ (20.10)	$ (20.83)	$ (21.56)	$ (22.03)	$ (25.16)	$ (46.30)	$ (47.47)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.70)	$ (5.03)	$ (4.06)	$ (5.35)	$ (6.26)	$ (6.76)	$ (7.12)	$ (7.95)	$ (11.62)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (2.20)	$ (2.48)	$ (2.74)	$ (2.99)	$ (3.05)	$ (3.22)	$ (6.80)	$ (7.15)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 29.47	$ 44.05	$ 52.39	$ 62.89	$ 55.27	$ 55.67	$ 58.64	$ 69.14	$ 84.07	$ 90.35	$ 96.25	$ 87.14
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.59	$ 2.12	
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.43	$ 46.63	$ 66.20	$ 97.14	$ 101.36	$ 124.13	$ 124.19	$ 138.29	$ 149.84	$ 167.55	$ 192.00	$ 205.26	$ 220.57	$ 223.66
PLAN B TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 670.49	$ 805.80	$ 736.17	$ 740.84	$ 756.16	$ 800.41	$ 816.67	$ 836.55	$ 862.59	$ 889.65	$ 924.33	$ 948.53	$ 976.63	$ 994.08
CAGR PLAN B (2019 BASE)													3.8%					3.5%
CAGR PLAN B (MAY 2020 BASE)													4.6%					4.1%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] *The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.*
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

SMALL GENERAL BILL PROJECTION - PLAN C, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [2]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 79.87	$ 84.16	$ 88.92	$ 93.73	$ 97.01	$ 98.98	$ 101.17	$ 103.42	$ 105.59	$ 107.64	$ 109.60	$ 111.46	$ 113.21
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 138.34	$ 140.41	$ 150.18	$ 158.11	$ 166.30	$ 175.94	$ 188.56	$ 201.25	$ 213.61	$ 228.28	$ 242.39
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.32	$ 16.89	$ 18.65	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67
RIDER PIPP - UNIVERSAL SERVICE FEE [3]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [5]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 60.51	$ 59.81	$ 60.07	$ 59.03	$ 61.41	$ 56.42	$ 54.83	$ 55.19	$ 54.56	$ 55.54	$ 53.12	$ 55.54
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 6.03	$ 10.24	$ 12.07	$ 15.52	$ 18.30	$ 20.11	$ 24.02	$ 25.69	$ 25.94	$ 25.39	$ 24.64	$ 23.81
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.75	$ 11.05	$ 13.98	$ 16.96	$ 19.57	$ 20.73	$ 20.29	$ 19.64	$ 18.98	$ 18.26	$ 17.61	$ 16.85
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.74	$ 11.35	$ 13.23	$ 14.30	$ 15.69	$ 17.64	$ 17.23	$ 19.01	$ 14.98	$ 14.68	$ 14.38	$ 14.09	$ 13.78
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.32	$ 4.09	$ 5.95	$ 7.35	$ 8.37	$ 8.39	$ 8.28	$ 8.17	$ 8.08	$ 7.99	$ 7.89	$ 7.80
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.69	$ 3.70	$ 3.64	$ 3.56	$ 3.41	$ 3.28	$ 3.15	$ 3.02	$ 2.89	$ 2.77	$ 2.65	$ 2.53
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 18.26	$ 18.08	$ 16.23	$ 16.21	$ 12.76	$ 11.99	$ 12.22	$ 10.12	$ 7.55	$ 2.49	$ 1.30	$ 0.62
Additional Resources in Plan C																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 2.06	$ 6.26	$ 11.28	$ 8.76	$ 7.21	$ 6.52	$ 5.80	$ 5.38	$ 5.52	$ 5.79	$ 6.13	$ 6.45	$ 6.52
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.32	$ 1.18	$ 1.09	$ 1.06	$ 1.06	$ 1.00	$ 0.98	$ 0.91	$ 0.88	$ 0.85	$ 0.77	$ 0.71	$ 0.67	$ 0.61
RPS Program-Related Resources Plan C																		
RIDER RPS [8]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.50	$ 20.19	$ 15.08	$ 13.66	$ 11.45	$ 18.24	$ 22.23	$ 25.27	$ 28.93	$ 32.11	$ 36.28	$ 41.20
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 13.88	$ 21.62	$ 28.20	$ 32.07	$ 39.41	$ 51.13	$ 62.37	$ 72.49	$ 81.82	$ 90.91	$ 99.86	$ 108.80	$ 117.69
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.22)	$ (1.37)	$ (5.72)	$ (5.61)	$ (6.18)	$ (7.89)	$ (11.80)	$ (15.89)	$ (19.79)	$ (24.33)	$ (28.58)	$ (33.28)	$ (38.07)	$ (42.90)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5.13)	$ (2.44)	$ (2.06)	$ (2.27)	$ (4.27)	$ (5.77)	$ (7.00)	$ (8.33)	$ (9.74)	$ (11.28)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.19)	$ (0.68)	$ (1.12)	$ (1.70)	$ (2.89)	$ (4.22)	$ (5.47)	$ (6.33)	$ (6.77)	$ (7.88)	$ (9.02)	$ (10.23)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.19	$ 12.49	$ 15.71	$ 21.91	$ 19.64	$ 27.38	$ 34.39	$ 39.98	$ 42.96	$ 45.40	$ 48.56	$ 50.38	$ 51.97	$ 53.28
RIDER PPA [6]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.24	$ 3.30	$ 6.74	$ 6.92	$ 8.03	$ 11.20	$ 14.47	$ 17.91	$ 21.50	$ 25.29	$ 29.14	$ 33.19	$ 37.42
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.06)	$ (2.26)	$ (4.45)	$ (4.97)	$ (4.59)	$ (5.35)	$ (7.49)	$ (9.73)	$ (11.84)	$ (14.32)	$ (16.62)	$ (19.18)	$ (21.77)	$ (24.40)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.69)	$ (1.84)	$ (1.43)	$ (1.46)	$ (2.65)	$ (3.49)	$ (4.16)	$ (4.88)	$ (5.65)	$ (6.49)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.50)	$ (0.82)	$ (1.16)	$ (1.84)	$ (2.61)	$ (3.32)	$ (3.82)	$ (4.09)	$ (4.70)	$ (5.35)	$ (6.02)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.43)	$ (1.07)	$ (1.32)	$ 1.27	$ (3.18)	$ (0.31)	$ 0.43	$ 0.67	$ 0.10	$ (0.13)	$ 0.43	$ 0.38	$ 0.43	$ 0.52
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 28.85	$ 43.42	$ 53.74	$ 82.80	$ 79.74	$ 76.69	$ 71.32	$ 68.30	$ 67.61	$ 64.60	$ 62.57	$ 62.06
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (18.17)	$ (19.18)	$ (20.10)	$ (20.83)	$ (21.56)	$ (22.03)	$ (22.57)	$ (23.09)	$ (23.68)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.70)	$ (5.59)	$ (4.22)	$ (6.03)	$ (6.58)	$ (6.71)	$ (6.90)	$ (7.07)	$ (7.31)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (2.20)	$ (2.48)	$ (2.74)	$ (2.99)	$ (3.05)	$ (3.22)	$ (3.39)	$ (3.56)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 28.85	$ 43.42	$ 51.76	$ 61.96	$ 52.76	$ 49.88	$ 41.72	$ 37.16	$ 35.83	$ 31.92	$ 29.01	$ 27.51
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.56	$ 1.47	$ 2.97	$ 5.44
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.43	$ 45.37	$ 62.75	$ 86.80	$ 83.30	$ 102.68	$ 99.03	$ 108.77	$ 107.01	$ 107.71	$ 114.31	$ 116.26	$ 120.65	$ 127.94
PLAN C TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 670.81	$ 804.20	$ 732.72	$ 731.71	$ 738.64	$ 777.54	$ 790.20	$ 805.23	$ 819.58	$ 830.18	$ 847.60	$ 858.27	$ 873.95	$ 896.74
CAGR PLAN C (2019 BASE)													3.3%					2.8%
CAGR PLAN C (MAY 2020 BASE)													4.1%					3.4%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

SMALL GENERAL BILL PROJECTION - PLAN D, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 268.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 79.87	$ 84.16	$ 88.92	$ 93.73	$ 97.01	$ 98.98	$ 101.17	$ 103.42	$ 105.59	$ 107.64	$ 109.60	$ 111.46	$ 113.21
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 137.11	$ 139.87	$ 151.66	$ 159.60	$ 167.41	$ 176.57	$ 188.75	$ 200.93	$ 215.66	$ 231.98	$ 244.93
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.32	$ 16.89	$ 18.65	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.28	$ 59.50	$ 60.51	$ 59.81	$ 60.07	$ 59.03	$ 61.41	$ 56.42	$ 54.84	$ 55.19	$ 54.56	$ 55.54	$ 53.12	$ 55.54
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 6.03	$ 10.24	$ 12.07	$ 15.52	$ 18.30	$ 20.11	$ 24.02	$ 25.69	$ 25.94	$ 25.39	$ 24.64	$ 23.81
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.75	$ 11.05	$ 13.98	$ 16.96	$ 19.57	$ 20.73	$ 20.29	$ 19.64	$ 18.98	$ 18.28	$ 17.61	$ 16.85
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.74	$ 11.35	$ 13.23	$ 14.30	$ 15.69	$ 17.64	$ 17.23	$ 19.01	$ 14.98	$ 14.68	$ 14.38	$ 14.09	$ 13.78
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.32	$ 4.09	$ 5.95	$ 7.35	$ 8.37	$ 8.39	$ 8.28	$ 8.17	$ 8.08	$ 7.99	$ 7.89	$ 7.80
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.69	$ 3.70	$ 3.64	$ 3.56	$ 3.41	$ 3.28	$ 3.15	$ 3.02	$ 2.89	$ 2.77	$ 2.65	$ 2.53
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 18.26	$ 18.08	$ 16.23	$ 16.21	$ 12.76	$ 11.99	$ 12.22	$ 10.12	$ 7.55	$ 2.49	$ 1.30	$ 0.62
Additional Resources in Plan D																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 2.06	$ 6.26	$ 11.28	$ 8.76	$ 7.21	$ 6.52	$ 5.80	$ 5.38	$ 5.52	$ 5.79	$ 6.13	$ 6.45	$ 6.52
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.16	$ 0.64	$ 0.50	$ 0.47	$ 0.56	$ 0.52	$ 0.46	$ 0.64	$ 0.57	$ 0.50	$ 0.44	$ 0.38	$ 0.32	$ 0.97
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.32	$ 1.18	$ 1.09	$ 1.06	$ 1.06	$ 1.00	$ 0.98	$ 0.91	$ 0.88	$ 0.85	$ 0.77	$ 0.71	$ 0.67	$ 0.61
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.22	$ 0.86	$ 0.41	$ 0.40	$ 0.36	$ 0.38	$ 0.43	$ 0.45	$ 0.41	$ 0.42	$ 0.40	$ 0.35	$ 0.39
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.19	$ 0.85	$ 0.74	$ 0.70	$ 0.68	$ 0.65	$ 0.62	$ 0.63	$ 0.62	$ 0.59	$ 0.53	$ 0.67	$ 0.65	$ 0.64
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.10	$ 0.66	$ 0.52	$ 0.49	$ 0.52	$ 0.53	$ 0.53	$ 0.51	$ 0.46	$ 0.47	$ 0.47	$ 0.42	$ 0.45	$ 0.46
RPS Program-Related Resources Plan D																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.50	$ 20.18	$ 15.13	$ 13.66	$ 11.72	$ 17.41	$ 21.83	$ 25.15	$ 28.75	$ 31.87	$ 35.96	$ 40.55
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 15.21	$ 24.55	$ 38.64	$ 53.25	$ 67.39	$ 82.30	$ 96.98	$ 110.50	$ 123.80	$ 137.02	$ 150.25	$ 163.93	$ 178.42
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.22)	$ (1.37)	$ (5.74)	$ (6.06)	$ (9.34)	$ (12.47)	$ (16.52)	$ (20.86)	$ (24.95)	$ (29.69)	$ (34.09)	$ (38.99)	$ (43.90)	$ (48.42)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5.29)	$ (3.61)	$ (3.19)	$ (2.92)	$ (4.94)	$ (6.70)	$ (8.18)	$ (9.81)	$ (11.15)	$ (11.44)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.19)	$ (0.71)	$ (1.87)	$ (3.12)	$ (4.59)	$ (6.44)	$ (8.38)	$ (10.10)	$ (11.41)	$ (13.43)	$ (15.65)	$ (17.99)	
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.19	$ 13.81	$ 18.62	$ 31.87	$ 36.76	$ 48.19	$ 58.00	$ 66.76	$ 72.23	$ 77.32	$ 83.34	$ 88.01	$ 93.23	$ 100.57
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.30	$ 3.38	$ 6.97	$ 10.12	$ 13.45	$ 17.14	$ 20.83	$ 24.70	$ 28.90	$ 33.40	$ 37.91	$ 42.78	$ 47.86
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.06)	$ (2.26)	$ (4.45)	$ (5.05)	$ (6.35)	$ (8.14)	$ (10.27)	$ (12.28)	$ (14.09)	$ (16.35)	$ (18.37)	$ (20.61)	$ (22.88)	$ (25.16)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.69)	$ (2.48)	$ (2.08)	$ (1.81)	$ (2.83)	$ (3.71)	$ (4.43)	$ (5.23)	$ (5.80)	$ (5.51)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.52)	$ (1.22)	$ (1.92)	$ (2.74)	$ (3.76)	$ (4.83)	$ (5.78)	$ (6.47)	$ (7.55)	$ (8.74)	$ (10.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.43)	$ (1.01)	$ (1.24)	$ 1.39	$ (2.14)	$ 0.81	$ 2.05	$ 2.98	$ 2.95	$ 3.06	$ 4.13	$ 4.52	$ 5.36	$ 7.19
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 29.47	$ 44.05	$ 54.36	$ 83.73	$ 81.58	$ 82.31	$ 87.56	$ 99.96	$ 115.90	$ 125.85	$ 157.30	$ 153.38
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (18.17)	$ (19.18)	$ (20.10)	$ (20.83)	$ (21.56)	$ (22.03)	$ (25.16)	$ (46.30)	$ (47.47)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.70)	$ (5.03)	$ (4.04)	$ (5.23)	$ (6.08)	$ (6.50)	$ (6.89)	$ (7.46)	$ (10.68)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (2.20)	$ (2.48)	$ (2.74)	$ (2.99)	$ (3.05)	$ (3.22)	$ (6.80)	$ (7.15)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 29.47	$ 44.05	$ 52.39	$ 62.89	$ 55.27	$ 55.69	$ 58.73	$ 69.33	$ 84.33	$ 90.58	$ 96.74	$ 88.09
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.56	$ 2.05	$ 5.05	$ 9.98
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.43	$ 46.75	$ 66.35	$ 97.49	$ 102.14	$ 125.64	$ 127.03	$ 142.84	$ 155.76	$ 174.86	$ 201.11	$ 217.02	$ 236.35	$ 246.38
PLAN D TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 671.25	$ 807.94	$ 738.95	$ 743.26	$ 759.10	$ 804.03	$ 821.69	$ 843.61	$ 871.06	$ 899.51	$ 935.95	$ 862.95	$ 995.11	$ 1,020.18
CAGR PLAN D (2019 BASE)													3.9%					3.7%
CAGR PLAN D (MAY 2020 BASE)													4.7%					4.2%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore Wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

SMALL GENERAL BILL PROJECTION - PLAN E, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

SMALL GENERAL SERVICE Schedule GS-1 (6,000 kWh - 15 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 272.78	$ 272.78	$ 272.78	$ 272.78	$ 266.31	$ 266.31	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72	$ 259.72
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (3.27)	$ (3.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 76.59	$ 76.59	$ 89.37	$ 70.55	$ 58.84	$ 79.87	$ 84.16	$ 88.92	$ 93.73	$ 97.01	$ 98.98	$ 101.17	$ 103.42	$ 105.59	$ 107.64	$ 109.60	$ 111.46	$ 113.21
FUEL	$ 139.52	$ 104.14	$ 102.13	$ 122.69	$ 212.27	$ 294.53	$ 176.20	$ 138.47	$ 141.35	$ 153.31	$ 161.52	$ 169.78	$ 179.41	$ 192.18	$ 204.88	$ 217.16	$ 231.53	$ 245.03
DSM (APPROVED PROGRAMS)	$ 5.33	$ 5.33	$ 6.49	$ 6.22	$ 6.42	$ 11.32	$ 16.89	$ 18.65	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67	$ 18.67
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 0.16	$ 0.16	$ 6.75	$ 8.75	$ 8.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75	$ 6.75
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 61.54	$ 58.22	$ 57.99	$ 65.89	$ 59.26	$ 59.50	$ 60.51	$ 59.81	$ 60.07	$ 59.03	$ 61.42	$ 58.42	$ 54.85	$ 55.20	$ 54.57	$ 55.55	$ 53.12	$ 55.54
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 8.25	$ 7.00	$ 6.03	$ 10.24	$ 12.07	$ 15.52	$ 18.30	$ 20.11	$ 24.02	$ 25.69	$ 25.94	$ 25.39	$ 24.64	$ 23.81
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 4.73	$ 1.39	$ 14.75	$ 11.05	$ 13.98	$ 16.96	$ 19.57	$ 20.73	$ 20.29	$ 19.64	$ 18.98	$ 18.26	$ 17.61	$ 16.85
STRATEGIC UNDERGROUND PLAN	$ 8.75	$ 5.90	$ 5.90	$ 9.18	$ 9.90	$ 7.74	$ 11.35	$ 13.23	$ 14.30	$ 15.69	$ 17.64	$ 17.23	$ 19.01	$ 14.98	$ 14.68	$ 14.38	$ 14.09	$ 13.78
RURAL BROADBAND	$ -	$ -	$ -	$ 0.12	$ 0.70	$ 1.40	$ 2.32	$ 4.09	$ 5.95	$ 7.35	$ 8.37	$ 8.39	$ 8.28	$ 8.17	$ 8.08	$ 7.99	$ 7.89	$ 7.80
AS Environmental																		
RIDER E	$ 9.44	$ 9.44	$ 7.48	$ 5.99	$ 7.76	$ 4.48	$ 5.69	$ 3.70	$ 3.64	$ 3.56	$ 3.41	$ 3.28	$ 3.15	$ 3.02	$ 2.89	$ 2.77	$ 2.65	$ 2.53
RIDER CCR	$ -	$ -	$ -	$ 17.67	$ 17.73	$ 18.29	$ 18.26	$ 18.08	$ 16.23	$ 16.21	$ 12.76	$ 11.99	$ 12.22	$ 10.12	$ 7.55	$ 2.49	$ 1.30	$ 0.62
Additional Resources in Plan E																		
INCREMENTAL GENERIC DSM	$ -	$ -	$ -	$ -	$ -	$ 2.06	$ 6.26	$ 11.28	$ 8.76	$ 7.21	$ 6.52	$ 5.80	$ 5.38	$ 5.52	$ 5.79	$ 6.13	$ 6.45	$ 6.52
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.15	$ 0.64	$ 0.50	$ 0.47	$ 0.56	$ 0.52	$ 0.46	$ 0.64	$ 0.57	$ 0.50	$ 0.44	$ 0.38	$ 0.32	$ 0.97
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.32	$ 1.18	$ 1.09	$ 1.06	$ 1.06	$ 1.00	$ 0.98	$ 0.91	$ 0.88	$ 0.85	$ 0.77	$ 0.71	$ 0.67	$ 0.61
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 0.22	$ 0.86	$ 0.41	$ 0.40	$ 0.36	$ 0.38	$ 0.43	$ 0.45	$ 0.41	$ 0.42	$ 0.40	$ 0.35	$ 0.39
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.19	$ 0.85	$ 0.74	$ 0.70	$ 0.68	$ 0.65	$ 0.62	$ 0.63	$ 0.62	$ 0.59	$ 0.53	$ 0.67	$ 0.65	$ 0.64
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 0.10	$ 0.66	$ 0.52	$ 0.49	$ 0.52	$ 0.53	$ 0.53	$ 0.51	$ 0.46	$ 0.47	$ 0.47	$ 0.42	$ 0.45	$ 0.46
RPS Program-Related Resources Plan E																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1.09	$ 10.86	$ 18.67	$ 19.50	$ 20.18	$ 15.14	$ 13.66	$ 11.99	$ 16.70	$ 21.48	$ 25.03	$ 28.53	$ 31.51	$ 35.45	$ 40.10
RIDER CE [6]	$ -	$ -	$ -	$ 0.92	$ 5.41	$ 15.28	$ 25.03	$ 42.41	$ 61.34	$ 82.97	$ 102.50	$ 121.05	$ 137.87	$ 153.79	$ 169.34	$ 184.73	$ 200.42	$ 216.43
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (0.22)	$ (1.37)	$ (5.72)	$ (5.80)	$ (10.14)	$ (14.18)	$ (19.24)	$ (24.51)	$ (29.50)	$ (35.38)	$ (40.84)	$ (46.89)	$ (52.98)	$ (58.69)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5.14)	$ (3.91)	$ (3.42)	$ (3.13)	$ (5.07)	$ (7.02)	$ (8.68)	$ (10.35)	$ (11.89)	$ (13.79)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (0.02)	$ (0.19)	$ (0.68)	$ (2.18)	$ (3.91)	$ (5.96)	$ (8.38)	$ (11.03)	$ (13.35)	$ (14.94)	$ (17.39)	$ (19.94)	$ (22.64)
TOTAL RIDER CE	$ -	$ -	$ -	$ 0.92	$ 5.19	$ 13.88	$ 19.12	$ 35.93	$ 43.88	$ 60.98	$ 73.88	$ 85.03	$ 92.27	$ 98.04	$ 104.89	$ 110.10	$ 115.62	$ 121.30
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1.76	$ 1.24	$ 3.30	$ 6.91	$ 11.19	$ 15.65	$ 20.35	$ 25.19	$ 30.28	$ 35.59	$ 41.21	$ 46.92	$ 52.94	$ 59.22
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2.06)	$ (2.26)	$ (4.45)	$ (5.07)	$ (6.73)	$ (8.87)	$ (11.32)	$ (13.86)	$ (16.20)	$ (19.02)	$ (21.58)	$ (24.46)	$ (27.38)	$ (30.31)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4.69)	$ (2.63)	$ (2.14)	$ (1.85)	$ (2.75)	$ (3.71)	$ (4.51)	$ (5.29)	$ (5.98)	$ (6.86)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (0.13)	$ (0.05)	$ (0.17)	$ (0.50)	$ (1.40)	$ (2.35)	$ (3.49)	$ (4.82)	$ (6.26)	$ (7.54)	$ (8.38)	$ (9.68)	$ (11.06)	$ (12.50)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (0.43)	$ (1.07)	$ (1.32)	$ 1.33	$ (1.63)	$ 1.80	$ 3.41	$ 4.67	$ 5.07	$ 5.32	$ 6.74	$ 7.49	$ 8.53	$ 9.35
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 28.85	$ 43.42	$ 53.74	$ 82.80	$ 79.74	$ 76.69	$ 71.33	$ 66.97	$ 66.04	$ 62.54	$ 59.86	$ 58.55
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (18.17)	$ (19.18)	$ (20.10)	$ (20.83)	$ (21.56)	$ (22.03)	$ (22.57)	$ (23.09)	$ (23.68)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (0.70)	$ (4.43)	$ (4.08)	$ (4.66)	$ (5.56)	$ (5.98)	$ (6.29)	$ (6.44)	$ (6.74)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1.97)	$ (2.20)	$ (2.48)	$ (2.74)	$ (2.99)	$ (3.05)	$ (3.22)	$ (3.39)	$ (3.56)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ 5.80	$ 15.28	$ 28.85	$ 43.42	$ 51.76	$ 61.96	$ 53.92	$ 50.03	$ 43.10	$ 34.98	$ 36.86	$ 34.98	$ 30.47	$ 26.93	$ 24.57
NUCLEAR SMALL MODULAR REACTORS [10]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.56	$ 2.05	$ 5.05	$ 9.98
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 2.01	$ 21.43	$ 46.76	$ 66.16	$ 100.87	$ 109.15	$ 138.89	$ 143.20	$ 156.43	$ 161.92	$ 163.26	$ 175.70	$ 181.61	$ 191.59	$ 205.51
PLAN E TOTAL	$ 573.95	$ 532.40	$ 542.13	$ 573.26	$ 671.25	$ 807.95	$ 738.75	$ 748.00	$ 767.59	$ 818.43	$ 839.79	$ 859.59	$ 880.06	$ 893.34	$ 914.51	$ 929.05	$ 949.91	$ 979.40
CAGR PLAN E (2019 BASE)													4.0%					3.4%
CAGR PLAN E (MAY 2020 BASE)													4.8%					4.0%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

LARGE GENERAL BILL PROJECTION - PLAN A, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL SERVICE Schedule GS-4 (6,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 50,530.00	$ 53,250.00	$ 56,260.00	$ 59,300.00	$ 61,380.00	$ 62,620.00	$ 64,010.00	$ 65,440.00	$ 66,800.00	$ 68,110.00	$ 69,340.00	$ 70,520.00	$ 71,630.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 140,916.00	$ 142,146.00	$ 157,152.00	$ 166,446.00	$ 175,440.00	$ 185,202.00	$ 196,140.00	$ 206,172.00	$ 216,612.00	$ 228,054.00	$ 238,734.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 192.00	$ 210.00	$ 222.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 36,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,660.00	$ 30,460.00	$ 28,450.00	$ 19,600.00	$ 19,390.00	$ 18,770.00	$ 19,860.00	$ 19,370.00	$ 18,920.00	$ 19,060.00	$ 18,980.00	$ 19,500.00	$ 18,410.00	$ 19,090.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 3,740.00	$ 6,350.00	$ 7,480.00	$ 9,620.00	$ 11,350.00	$ 12,470.00	$ 14,900.00	$ 15,930.00	$ 16,090.00	$ 15,740.00	$ 15,280.00	$ 14,770.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,840.00	$ 2,880.00	$ 3,640.00	$ 4,420.00	$ 5,090.00	$ 5,390.00	$ 5,280.00	$ 5,120.00	$ 4,950.00	$ 4,760.00	$ 4,580.00	$ 4,390.00
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 610.00	$ 1,060.00	$ 1,550.00	$ 1,920.00	$ 2,180.00	$ 2,190.00	$ 2,160.00	$ 2,130.00	$ 2,100.00	$ 2,080.00	$ 2,060.00	$ 2,030.00
AS Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 2,750.00	$ 1,790.00	$ 1,760.00	$ 1,710.00	$ 1,650.00	$ 1,580.00	$ 1,520.00	$ 1,460.00	$ 1,410.00	$ 1,340.00	$ 1,290.00	$ 1,230.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 18,258.00	$ 18,078.00	$ 16,230.00	$ 16,212.00	$ 12,756.00	$ 11,988.00	$ 12,222.00	$ 10,122.00	$ 7,554.00	$ 2,490.00	$ 1,302.00	$ 618.00
Additional Resources in Plan A																		
GAS CT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 260.00	$ 870.00	$ 1,790.00	$ 2,930.00	$ 4,840.00	$ 6,530.00	$ 7,810.00
VCHEC 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ 320.00	$ 17,920.00	$ 15,610.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
BIOMASS 2024 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,580.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RPS Program-Related Resources Plan A																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,500.00	$ 20,148.00	$ 14,790.00	$ 13,656.00	$ 11,712.00	$ 17,568.00	$ 21,918.00	$ 25,182.00	$ 28,794.00	$ 31,938.00	$ 36,078.00	$ 41,004.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 4,080.00	$ 7,140.00	$ 7,010.00	$ 6,610.00	$ 6,310.00	$ 6,070.00	$ 5,910.00	$ 5,750.00	$ 5,610.00	$ 5,460.00	$ 5,310.00	$ 5,180.00	$ 5,020.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (216.00)	$ (1,278.00)	$ (5,460.00)	$ (3,600.00)	$ (3,294.00)	$ (3,324.00)	$ (3,426.00)	$ (3,510.00)	$ (3,534.00)	$ (3,636.00)	$ (3,672.00)	$ (3,744.00)	$ (3,810.00)	$ (3,864.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,362.00)	$ (1,134.00)	$ (864.00)	$ (618.00)	$ (870.00)	$ (990.00)	$ (1,044.00)	$ (1,098.00)	$ (1,128.00)	$ (1,182.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (100.00)	$ (240.00)	$ (320.00)	$ (380.00)	$ (450.00)	$ (540.00)	$ (600.00)	$ (660.00)	$ (700.00)	$ (740.00)	$ (770.00)	$ (810.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,924.00	$ 2,792.00	$ 1,580.00	$ 3,170.00	$ (1,366.00)	$ 1,472.00	$ 1,330.00	$ 1,242.00	$ 746.00	$ 324.00	$ 44.00	$ (272.00)	$ (528.00)	$ (836.00)
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,158.00	$ 2,648.00	$ 5,830.00	$ 13,672.00	$ 21,864.00	$ 30,462.00	$ 39,318.00	$ 48,630.00	$ 58,328.00	$ 68,606.00	$ 78,980.00	$ 89,952.00	$ 101,364.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,058.00)	$ (2,262.00)	$ (4,362.00)	$ (5,172.00)	$ (10,152.00)	$ (15,666.00)	$ (21,798.00)	$ (28,194.00)	$ (34,218.00)	$ (41,310.00)	$ (47,892.00)	$ (55,200.00)	$ (62,640.00)	$ (70,134.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5,028.00)	$ (3,486.00)	$ (3,996.00)	$ (3,972.00)	$ (6,810.00)	$ (9,300.00)	$ (11,466.00)	$ (13,872.00)	$ (16,134.00)	$ (18,960.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (90.00)	$ (260.00)	$ (830.00)	$ (1,640.00)	$ (2,530.00)	$ (3,550.00)	$ (4,410.00)	$ (4,940.00)	$ (5,110.00)	$ (5,940.00)	$ (6,820.00)	$ (7,740.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (458.00)	$ (1,134.00)	$ (1,804.00)	$ 398.00	$ (2,338.00)	$ 1,072.00	$ 2,138.00	$ 3,602.00	$ 3,192.00	$ 2,778.00	$ 4,138.00	$ 3,968.00	$ 4,358.00	$ 4,530.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,130.00	$ 22,760.00	$ 28,170.00	$ 43,410.00	$ 41,800.00	$ 40,200.00	$ 37,390.00	$ 35,110.00	$ 34,610.00	$ 32,780.00	$ 31,370.00	$ 30,540.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,974.00)	$ (18,174.00)	$ (19,182.00)	$ (20,100.00)	$ (20,832.00)	$ (21,564.00)	$ (22,026.00)	$ (22,566.00)	$ (23,094.00)	$ (23,676.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (702.00)	$ (5,028.00)	$ (4,056.00)	$ (5,346.00)	$ (6,264.00)	$ (6,756.00)	$ (7,122.00)	$ (7,356.00)	$ (6,330.00)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,030.00)	$ (1,150.00)	$ (1,300.00)	$ (1,440.00)	$ (1,570.00)	$ (1,600.00)	$ (1,690.00)	$ (1,780.00)	$ (1,870.00)
TOTAL OFFSHORE WIND	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,130.00	$ 22,760.00	$ 26,196.00	$ 23,504.00	$ 16,440.00	$ 14,744.00	$ 9,772.00	$ 5,712.00	$ 4,228.00	$ 1,402.00	$ (860.00)	$ (1,336.00)	
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,796.00	$ 28,340.00	$ 34,406.00	$ 46,476.00	$ 37,282.00	$ 39,704.00	$ 31,620.00	$ 37,156.00	$ 35,628.00	$ 33,996.00	$ 37,204.00	$ 37,036.00	$ 39,048.00	$ 43,362.00
PLAN A TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 456,006.60	$ 579,799.69	$ 467,983.63	$ 422,715.63	$ 418,089.63	$ 440,199.63	$ 442,883.63	$ 459,165.63	$ 471,453.63	$ 481,859.63	$ 494,811.63	$ 503,049.63	$ 516,385.63	$ 532,975.63
CAGR PLAN A (2019 BASE)													2.7%					2.6%
CAGR PLAN A (MAY 2020 BASE)													3.9%					3.5%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

LARGE GENERAL BILL PROJECTION - PLAN B, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL SERVICE Schedule GS-4 (6,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 50,530.00	$ 53,250.00	$ 56,260.00	$ 59,300.00	$ 61,380.00	$ 62,620.00	$ 64,010.00	$ 65,440.00	$ 66,800.00	$ 68,110.00	$ 69,340.00	$ 70,520.00	$ 71,630.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 137,118.00	$ 139,872.00	$ 151,602.00	$ 159,420.00	$ 167,088.00	$ 176,112.00	$ 188,184.00	$ 200,280.00	$ 214,872.00	$ 231,042.00	$ 244,008.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 192.00	$ 210.00	$ 222.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 36,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,660.00	$ 30,460.00	$ 28,450.00	$ 28,120.00	$ 28,250.00	$ 27,680.00	$ 28,760.00	$ 26,560.00	$ 25,840.00	$ 25,980.00	$ 25,690.00	$ 26,170.00	$ 25,030.00	$ 26,090.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 3,740.00	$ 6,350.00	$ 7,480.00	$ 9,620.00	$ 11,350.00	$ 12,470.00	$ 14,900.00	$ 15,930.00	$ 16,090.00	$ 15,740.00	$ 15,280.00	$ 14,770.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,840.00	$ 2,880.00	$ 3,640.00	$ 4,420.00	$ 5,090.00	$ 5,390.00	$ 5,280.00	$ 5,120.00	$ 4,950.00	$ 4,760.00	$ 4,580.00	$ 4,390.00
STRATEGIC UNDERGROUND PLAN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 610.00	$ 1,060.00	$ 1,550.00	$ 1,920.00	$ 2,180.00	$ 2,190.00	$ 2,160.00	$ 2,130.00	$ 2,100.00	$ 2,080.00	$ 2,060.00	$ 2,030.00
AS Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 2,750.00	$ 1,790.00	$ 1,760.00	$ 1,710.00	$ 1,650.00	$ 1,580.00	$ 1,520.00	$ 1,460.00	$ 1,410.00	$ 1,340.00	$ 1,290.00	$ 1,230.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 18,258.00	$ 18,078.00	$ 16,230.00	$ 16,212.00	$ 12,756.00	$ 11,988.00	$ 12,222.00	$ 10,122.00	$ 7,554.00	$ 2,490.00	$ 1,302.00	$ 618.00
Additional Resources in Plan B																		
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 750.00	$ 480.00	$ 470.00	$ 470.00	$ 440.00	$ 430.00	$ 400.00	$ 390.00	$ 370.00	$ 340.00	$ 310.00	$ 290.00	$ 260.00
RPS Program-Related Resources Plan B																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,500.00	$ 20,184.00	$ 15,132.00	$ 13,656.00	$ 11,748.00	$ 17,430.00	$ 21,870.00	$ 25,176.00	$ 28,800.00	$ 31,968.00	$ 36,120.00	$ 40,788.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 7,810.00	$ 12,600.00	$ 19,730.00	$ 27,040.00	$ 33,850.00	$ 40,440.00	$ 46,860.00	$ 52,690.00	$ 58,430.00	$ 64,190.00	$ 69,950.00	$ 75,730.00	$ 81,090.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (216.00)	$ (1,374.00)	$ (5,736.00)	$ (6,060.00)	$ (9,336.00)	$ (12,402.00)	$ (15,876.00)	$ (19,584.00)	$ (23,010.00)	$ (27,030.00)	$ (30,720.00)	$ (34,854.00)	$ (39,048.00)	$ (43,260.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5,328.00)	$ (3,612.00)	$ (3,174.00)	$ (2,796.00)	$ (4,674.00)	$ (6,294.00)	$ (7,722.00)	$ (9,156.00)	$ (10,530.00)	$ (9,954.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (100.00)	$ (360.00)	$ (960.00)	$ (1,590.00)	$ (2,340.00)	$ (3,280.00)	$ (4,240.00)	$ (5,110.00)	$ (5,760.00)	$ (6,780.00)	$ (7,870.00)	$ (9,050.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,924.00	$ 6,426.00	$ 6,764.00	$ 13,310.00	$ 11,416.00	$ 16,246.00	$ 19,050.00	$ 21,200.00	$ 20,766.00	$ 19,996.00	$ 19,988.00	$ 19,160.00	$ 18,282.00	$ 18,826.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,212.00	$ 2,996.00	$ 6,170.00	$ 8,992.00	$ 11,978.00	$ 15,256.00	$ 18,442.00	$ 21,768.00	$ 25,358.00	$ 29,170.00	$ 32,956.00	$ 37,022.00	$ 41,260.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,058.00)	$ (2,376.00)	$ (4,572.00)	$ (5,124.00)	$ (6,414.00)	$ (8,208.00)	$ (10,332.00)	$ (12,354.00)	$ (14,160.00)	$ (16,422.00)	$ (18,438.00)	$ (20,688.00)	$ (22,962.00)	$ (25,242.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,692.00)	$ (2,490.00)	$ (1,968.00)	$ (1,932.00)	$ (2,952.00)	$ (3,882.00)	$ (4,578.00)	$ (5,634.00)	$ (5,904.00)	$ (5,988.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (90.00)	$ (270.00)	$ (630.00)	$ (990.00)	$ (1,410.00)	$ (1,930.00)	$ (2,480.00)	$ (2,970.00)	$ (3,330.00)	$ (3,880.00)	$ (4,490.00)	$ (5,140.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (458.00)	$ (1,194.00)	$ (1,666.00)	$ 776.00	$ (2,744.00)	$ 290.00	$ 1,546.00	$ 2,226.00	$ 2,176.00	$ 2,084.00	$ 2,824.00	$ 2,754.00	$ 3,666.00	$ 4,890.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,450.00	$ 23,090.00	$ 28,500.00	$ 43,900.00	$ 42,820.00	$ 43,150.00	$ 45,900.00	$ 52,400.00	$ 60,750.00	$ 65,970.00	$ 82,460.00	$ 80,400.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,974.00)	$ (18,174.00)	$ (19,182.00)	$ (20,100.00)	$ (20,832.00)	$ (21,564.00)	$ (22,026.00)	$ (25,164.00)	$ (46,302.00)	$ (47,472.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (702.00)	$ (5,028.00)	$ (4,056.00)	$ (5,346.00)	$ (6,264.00)	$ (6,756.00)	$ (7,122.00)	$ (7,950.00)	$ (11,622.00)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,030.00)	$ (1,150.00)	$ (1,300.00)	$ (1,440.00)	$ (1,570.00)	$ (1,600.00)	$ (1,690.00)	$ (3,570.00)	$ (3,750.00)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,450.00	$ 23,090.00	$ 26,526.00	$ 23,994.00	$ 17,460.00	$ 17,694.00	$ 18,282.00	$ 23,002.00	$ 30,368.00	$ 31,994.00	$ 24,638.00	$ 17,556.00
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 260.00	$ 930.00
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,796.00	$ 31,914.00	$ 40,048.00	$ 57,360.00	$ 50,330.00	$ 54,186.00	$ 49,804.00	$ 58,550.00	$ 63,094.00	$ 70,258.00	$ 81,980.00	$ 85,876.00	$ 82,966.00	$ 82,980.00
PLAN B TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 455,686.60	$ 568,203.69	$ 456,915.63	$ 438,791.63	$ 438,193.63	$ 458,481.63	$ 463,371.63	$ 479,537.63	$ 496,269.63	$ 515,665.63	$ 537,815.63	$ 552,289.63	$ 563,671.63	$ 577,327.63
CAGR PLAN B (2019 BASE)													3.2%					3.2%
CAGR PLAN B (MAY 2020 BASE)													4.4%					4.0%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] *Includes all approved and anticipated phases of distribution infrastructure as of July 2022.*
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

LARGE GENERAL BILL PROJECTION - PLAN C, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL SERVICE Schedule GS-4 (6,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 50,530.00	$ 53,250.00	$ 56,260.00	$ 59,300.00	$ 61,380.00	$ 62,620.00	$ 64,010.00	$ 65,440.00	$ 66,800.00	$ 68,110.00	$ 69,340.00	$ 70,520.00	$ 71,630.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 138,336.00	$ 140,406.00	$ 150,180.00	$ 158,106.00	$ 166,296.00	$ 175,944.00	$ 188,562.00	$ 201,246.00	$ 213,612.00	$ 228,282.00	$ 242,394.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 192.00	$ 210.00	$ 222.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 36,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,660.00	$ 30,460.00	$ 28,450.00	$ 28,120.00	$ 28,250.00	$ 27,680.00	$ 28,760.00	$ 26,560.00	$ 25,840.00	$ 25,970.00	$ 25,690.00	$ 26,170.00	$ 25,030.00	$ 26,080.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 3,740.00	$ 6,350.00	$ 7,480.00	$ 9,620.00	$ 11,350.00	$ 12,470.00	$ 14,900.00	$ 15,930.00	$ 16,090.00	$ 15,740.00	$ 15,280.00	$ 14,770.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,840.00	$ 2,880.00	$ 3,640.00	$ 4,420.00	$ 5,090.00	$ 5,390.00	$ 5,280.00	$ 5,120.00	$ 4,950.00	$ 4,760.00	$ 4,580.00	$ 4,390.00
STRATEGIC UNDERGROUND PLAN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 610.00	$ 1,060.00	$ 1,550.00	$ 1,920.00	$ 2,180.00	$ 2,190.00	$ 2,160.00	$ 2,130.00	$ 2,100.00	$ 2,080.00	$ 2,060.00	$ 2,030.00
AS Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 2,750.00	$ 1,790.00	$ 1,760.00	$ 1,710.00	$ 1,650.00	$ 1,580.00	$ 1,520.00	$ 1,460.00	$ 1,410.00	$ 1,340.00	$ 1,290.00	$ 1,230.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 18,258.00	$ 18,078.00	$ 16,230.00	$ 16,212.00	$ 12,756.00	$ 11,988.00	$ 12,222.00	$ 10,122.00	$ 7,554.00	$ 2,490.00	$ 1,302.00	$ 618.00
Additional Resources in Plan C																		
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 200.00	$ 580.00	$ 480.00	$ 470.00	$ 470.00	$ 440.00	$ 430.00	$ 400.00	$ 390.00	$ 370.00	$ 340.00	$ 310.00	$ 290.00	$ 260.00
RPS Program-Related Resources Plan C																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,500.00	$ 20,190.00	$ 15,078.00	$ 13,656.00	$ 11,454.00	$ 18,240.00	$ 22,230.00	$ 25,272.00	$ 28,932.00	$ 32,112.00	$ 36,282.00	$ 41,202.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 7,140.00	$ 11,110.00	$ 14,500.00	$ 16,480.00	$ 20,240.00	$ 26,270.00	$ 32,060.00	$ 37,250.00	$ 42,050.00	$ 46,730.00	$ 51,320.00	$ 55,910.00	$ 60,470.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (216.00)	$ (1,368.00)	$ (5,718.00)	$ (5,610.00)	$ (6,180.00)	$ (7,890.00)	$ (11,802.00)	$ (15,894.00)	$ (19,794.00)	$ (24,330.00)	$ (28,584.00)	$ (33,276.00)	$ (38,070.00)	$ (42,900.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5,130.00)	$ (2,436.00)	$ (2,058.00)	$ (2,268.00)	$ (4,266.00)	$ (5,766.00)	$ (6,996.00)	$ (8,334.00)	$ (9,738.00)	$ (11,280.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (100.00)	$ (340.00)	$ (580.00)	$ (870.00)	$ (1,480.00)	$ (2,170.00)	$ (2,800.00)	$ (3,240.00)	$ (3,480.00)	$ (4,050.00)	$ (4,630.00)	$ (5,250.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,924.00	$ 5,762.00	$ 5,292.00	$ 8,550.00	$ 4,590.00	$ 9,044.00	$ 10,930.00	$ 11,728.00	$ 10,390.00	$ 8,714.00	$ 7,670.00	$ 5,660.00	$ 3,472.00	$ 1,040.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,158.00	$ 2,920.00	$ 5,968.00	$ 6,132.00	$ 7,180.00	$ 10,168.00	$ 13,256.00	$ 16,502.00	$ 19,886.00	$ 23,464.00	$ 27,096.00	$ 30,918.00	$ 34,910.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,058.00)	$ (2,262.00)	$ (4,452.00)	$ (4,968.00)	$ (4,590.00)	$ (5,352.00)	$ (7,494.00)	$ (9,732.00)	$ (11,638.00)	$ (14,316.00)	$ (16,620.00)	$ (19,176.00)	$ (21,774.00)	$ (24,396.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,686.00)	$ (1,836.00)	$ (1,434.00)	$ (1,464.00)	$ (2,646.00)	$ (3,486.00)	$ (4,158.00)	$ (4,884.00)	$ (5,646.00)	$ (6,486.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (90.00)	$ (260.00)	$ (420.00)	$ (600.00)	$ (950.00)	$ (1,340.00)	$ (1,710.00)	$ (1,970.00)	$ (2,100.00)	$ (2,420.00)	$ (2,750.00)	$ (3,090.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (458.00)	$ (1,134.00)	$ (1,622.00)	$ 740.00	$ (3,564.00)	$ (608.00)	$ 290.00	$ 720.00	$ 308.00	$ 114.00	$ 586.00	$ 616.00	$ 748.00	$ 938.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,130.00	$ 22,760.00	$ 28,170.00	$ 43,410.00	$ 41,800.00	$ 40,200.00	$ 37,390.00	$ 35,810.00	$ 35,440.00	$ 33,870.00	$ 32,800.00	$ 32,530.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,974.00)	$ (18,174.00)	$ (19,182.00)	$ (20,100.00)	$ (20,832.00)	$ (21,564.00)	$ (22,026.00)	$ (22,566.00)	$ (23,094.00)	$ (23,676.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (702.00)	$ (5,592.00)	$ (4,224.00)	$ (6,030.00)	$ (6,582.00)	$ (6,708.00)	$ (6,900.00)	$ (7,074.00)	$ (7,308.00)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,030.00)	$ (1,150.00)	$ (1,300.00)	$ (1,440.00)	$ (1,570.00)	$ (1,600.00)	$ (1,690.00)	$ (1,780.00)	$ (1,870.00)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,130.00	$ 22,760.00	$ 26,196.00	$ 23,504.00	$ 15,876.00	$ 14,576.00	$ 9,088.00	$ 6,094.00	$ 5,106.00	$ 2,714.00	$ 852.00	$ (924.00)
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250.00	$ 640.00	$ 1,300.00	$ 2,380.00
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,786.00	$ 31,310.00	$ 38,300.00	$ 52,240.00	$ 42,300.00	$ 45,596.00	$ 38,550.00	$ 45,264.00	$ 42,016.00	$ 40,194.00	$ 42,544.00	$ 41,742.00	$ 42,654.00	$ 45,236.00
PLAN C TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 455,886.60	$ 565,429.69	$ 455,167.63	$ 434,889.63	$ 430,697.63	$ 448,469.63	$ 450,803.63	$ 465,459.63	$ 475,023.63	$ 485,969.63	$ 499,345.63	$ 506,895.63	$ 520,599.63	$ 537,949.63
CAGR PLAN C (2019 BASE)													2.8%					2.7%
CAGR PLAN C (MAY 2020 BASE)													4.0%					3.5%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar and storage.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

LARGE GENERAL BILL PROJECTION - PLAN D, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL SERVICE Schedule GS-4 (6,000,000 kWh - 10,000 kW)	2019 DEC 2019	2020 MAY 1, 2020	2020 DEC 2020	2021 DEC 2021	2022 DEC 2022	2023 DEC 2023	2024 DEC 2024	2025 DEC 2025	2026 DEC 2026	2027 DEC 2027	2028 DEC 2028	2029 DEC 2029	2030 DEC 2030	2031 DEC 2031	2032 DEC 2032	2033 DEC 2033	2034 DEC 2034	2035 DEC 2035
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 50,530.00	$ 53,250.00	$ 56,260.00	$ 59,300.00	$ 61,380.00	$ 62,620.00	$ 64,010.00	$ 65,440.00	$ 66,800.00	$ 68,110.00	$ 69,340.00	$ 70,520.00	$ 71,630.00
FUEL	$ 139,524.00	$ 104,142.00	$ 102,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,198.00	$ 137,112.00	$ 139,872.00	$ 151,662.00	$ 159,600.00	$ 167,406.00	$ 176,568.00	$ 188,754.00	$ 200,928.00	$ 215,664.00	$ 231,978.00	$ 244,932.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 192.00	$ 210.00	$ 222.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 38,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,660.00	$ 30,460.00	$ 28,450.00	$ 28,120.00	$ 28,250.00	$ 27,680.00	$ 28,760.00	$ 26,560.00	$ 25,840.00	$ 25,980.00	$ 25,700.00	$ 26,170.00	$ 25,030.00	$ 26,090.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 3,740.00	$ 6,350.00	$ 7,480.00	$ 9,620.00	$ 11,350.00	$ 12,470.00	$ 14,900.00	$ 15,930.00	$ 16,090.00	$ 15,740.00	$ 15,280.00	$ 14,770.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,840.00	$ 2,880.00	$ 3,640.00	$ 4,420.00	$ 5,090.00	$ 5,390.00	$ 5,280.00	$ 5,120.00	$ 4,950.00	$ 4,760.00	$ 4,580.00	$ 4,390.00
STRATEGIC UNDERGROUND PLAN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 610.00	$ 1,060.00	$ 1,550.00	$ 1,920.00	$ 2,180.00	$ 2,190.00	$ 2,160.00	$ 2,130.00	$ 2,100.00	$ 2,080.00	$ 2,060.00	$ 2,030.00
AS Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 2,750.00	$ 1,790.00	$ 1,760.00	$ 1,710.00	$ 1,650.00	$ 1,580.00	$ 1,520.00	$ 1,460.00	$ 1,410.00	$ 1,340.00	$ 1,290.00	$ 1,230.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 18,258.00	$ 18,078.00	$ 16,230.00	$ 16,212.00	$ 12,756.00	$ 11,988.00	$ 12,222.00	$ 10,122.00	$ 7,554.00	$ 2,490.00	$ 1,302.00	$ 618.00
Additional Resources in Plan D																		
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 100.00	$ 320.00	$ 220.00	$ 210.00	$ 250.00	$ 230.00	$ 200.00	$ 280.00	$ 250.00	$ 220.00	$ 190.00	$ 170.00	$ 140.00	$ 430.00
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 200.00	$ 580.00	$ 480.00	$ 470.00	$ 470.00	$ 440.00	$ 430.00	$ 400.00	$ 390.00	$ 370.00	$ 340.00	$ 310.00	$ 290.00	$ 260.00
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 110.00	$ 380.00	$ 180.00	$ 170.00	$ 160.00	$ 170.00	$ 190.00	$ 200.00	$ 180.00	$ 180.00	$ 180.00	$ 150.00	$ 170.00
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 120.00	$ 420.00	$ 330.00	$ 300.00	$ 300.00	$ 280.00	$ 270.00	$ 280.00	$ 270.00	$ 260.00	$ 230.00	$ 300.00	$ 290.00	$ 280.00
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 60.00	$ 410.00	$ 320.00	$ 310.00	$ 320.00	$ 330.00	$ 330.00	$ 320.00	$ 290.00	$ 290.00	$ 290.00	$ 260.00	$ 280.00	$ 280.00
RPS Program-Related Resources Plan D																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,500.00	$ 20,184.00	$ 15,132.00	$ 13,656.00	$ 11,718.00	$ 17,406.00	$ 21,828.00	$ 25,152.00	$ 28,746.00	$ 31,872.00	$ 35,964.00	$ 40,554.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 7,820.00	$ 12,620.00	$ 19,880.00	$ 27,370.00	$ 34,630.00	$ 42,290.00	$ 49,840.00	$ 56,780.00	$ 63,630.00	$ 70,440.00	$ 77,210.00	$ 84,230.00	$ 91,670.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (216.00)	$ (1,374.00)	$ (5,736.00)	$ (6,060.00)	$ (9,336.00)	$ (12,468.00)	$ (16,518.00)	$ (20,856.00)	$ (24,954.00)	$ (29,688.00)	$ (34,092.00)	$ (38,994.00)	$ (43,902.00)	$ (48,420.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5,286.00)	$ (3,612.00)	$ (3,192.00)	$ (2,922.00)	$ (4,938.00)	$ (6,696.00)	$ (8,184.00)	$ (9,810.00)	$ (11,148.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (100.00)	$ (360.00)	$ (960.00)	$ (1,590.00)	$ (2,350.00)	$ (3,310.00)	$ (4,290.00)	$ (5,180.00)	$ (5,860.00)	$ (6,910.00)	$ (8,030.00)	$ (9,240.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,924.00	$ 6,436.00	$ 6,784.00	$ 13,460.00	$ 11,788.00	$ 16,950.00	$ 20,230.00	$ 22,752.00	$ 22,598.00	$ 22,066.00	$ 22,304.00	$ 21,496.00	$ 21,150.00	$ 22,574.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,212.00	$ 2,996.00	$ 6,170.00	$ 8,992.00	$ 11,978.00	$ 15,256.00	$ 18,442.00	$ 21,768.00	$ 25,358.00	$ 29,170.00	$ 32,956.00	$ 37,022.00	$ 41,260.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,058.00)	$ (2,262.00)	$ (4,452.00)	$ (5,052.00)	$ (6,348.00)	$ (8,138.00)	$ (10,266.00)	$ (12,282.00)	$ (14,088.00)	$ (16,350.00)	$ (18,366.00)	$ (20,610.00)	$ (22,884.00)	$ (25,164.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,686.00)	$ (2,484.00)	$ (2,082.00)	$ (1,812.00)	$ (2,832.00)	$ (3,708.00)	$ (4,434.00)	$ (5,226.00)	$ (5,796.00)	$ (5,514.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (90.00)	$ (270.00)	$ (630.00)	$ (990.00)	$ (1,410.00)	$ (1,930.00)	$ (2,480.00)	$ (2,970.00)	$ (3,330.00)	$ (3,880.00)	$ (4,490.00)	$ (5,140.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (458.00)	$ (1,080.00)	$ (1,546.00)	$ 848.00	$ (2,672.00)	$ 368.00	$ 1,498.00	$ 2,418.00	$ 2,368.00	$ 2,330.00	$ 3,040.00	$ 3,240.00	$ 3,852.00	$ 5,442.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,450.00	$ 23,090.00	$ 28,500.00	$ 43,900.00	$ 42,820.00	$ 43,150.00	$ 45,900.00	$ 52,400.00	$ 60,760.00	$ 65,970.00	$ 82,470.00	$ 80,410.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,974.00)	$ (18,174.00)	$ (19,182.00)	$ (20,100.00)	$ (20,832.00)	$ (21,564.00)	$ (22,026.00)	$ (25,164.00)	$ (46,302.00)	$ (47,472.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (702.00)	$ (5,028.00)	$ (4,038.00)	$ (5,232.00)	$ (6,078.00)	$ (6,498.00)	$ (6,894.00)	$ (7,464.00)	$ (10,680.00)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,030.00)	$ (1,150.00)	$ (1,300.00)	$ (1,440.00)	$ (1,570.00)	$ (1,690.00)	$ (1,690.00)	$ (3,570.00)	$ (3,750.00)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,450.00	$ 23,090.00	$ 26,526.00	$ 23,994.00	$ 17,460.00	$ 17,712.00	$ 18,396.00	$ 23,188.00	$ 30,636.00	$ 32,222.00	$ 25,134.00	$ 18,508.00
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250.00	$ 890.00	$ 2,220.00	$ 4,380.00	
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,796.00	$ 32,038.00	$ 40,188.00	$ 57,582.00	$ 50,774.00	$ 54,978.00	$ 50,906.00	$ 60,288.00	$ 65,190.00	$ 72,736.00	$ 84,976.00	$ 89,720.00	$ 88,320.00	$ 91,458.00
PLAN D TOTAL	$ 350,860.69	$ 312,878.69	$ 313,788.69	$ 356,338.69	$ 456,166.60	$ 567,417.69	$ 458,305.63	$ 440,007.63	$ 439,677.63	$ 460,333.63	$ 465,623.63	$ 482,663.63	$ 499,831.63	$ 519,663.63	$ 542,359.63	$ 557,835.63	$ 570,821.63	$ 587,879.63
CAGR PLAN D (2019 BASE)													3.3%					3.3%
CAGR PLAN D (MAY 2020 BASE)													4.5%					4.1%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] *No assumptions modeled for exemptions to Riders OSW & PIPP.*
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] Includes all approved and anticipated phases of distribution infrastructure as of July 2022.
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore Wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

2022 RPS Development Plan
Attachment 11: Consolidated Bill Analysis

Rate Outlook 2020 to 2035

LARGE GENERAL BILL PROJECTION - PLAN E, DIRECTED METHODOLOGY

Rate projections are not final. Rates are subject to regulatory approval.
Certain line items potentially eligible for customer credit reinvestment offset under Va. Code.

LARGE GENERAL SERVICE *Schedule GS-4 (8,000,000 kWh - 10,000 kW)*	2019 *DEC 2019*	2020 *MAY 1, 2020*	2020 *DEC 2020*	2021 *DEC 2021*	2022 *DEC 2022*	2023 *DEC 2023*	2024 *DEC 2024*	2025 *DEC 2025*	2026 *DEC 2026*	2027 *DEC 2027*	2028 *DEC 2028*	2029 *DEC 2029*	2030 *DEC 2030*	2031 *DEC 2031*	2032 *DEC 2032*	2033 *DEC 2033*	2034 *DEC 2034*	2035 *DEC 2035*
DISTRIBUTION & GENERATION (BASE) [1]	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 131,196.69	$ 127,019.69	$ 127,019.69	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63	$ 122,333.63
TRIENNIAL REVIEW - VOLUNTARY CUSTOMER REFUND [1]	$ -	$ -	$ -	$ -	$ (1,597.09)	$ (1,464.00)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TRANSMISSION - RIDER T	$ 37,760.00	$ 37,760.00	$ 42,270.00	$ 45,260.00	$ 35,280.00	$ 50,530.00	$ 53,250.00	$ 56,260.00	$ 59,300.00	$ 61,380.00	$ 62,620.00	$ 64,010.00	$ 65,440.00	$ 66,800.00	$ 68,110.00	$ 69,340.00	$ 70,520.00	$ 71,630.00
FUEL	$ 139,524.00	$ 104,142.00	$ 107,126.00	$ 122,688.00	$ 212,274.00	$ 294,534.00	$ 176,196.00	$ 138,474.00	$ 141,348.00	$ 153,312.00	$ 161,520.00	$ 169,782.00	$ 179,406.00	$ 192,180.00	$ 204,882.00	$ 217,164.00	$ 231,528.00	$ 245,028.00
DSM (APPROVED PROGRAMS)	$ 150.00	$ 150.00	$ 144.00	$ 60.00	$ 102.00	$ 192.00	$ 210.00	$ 222.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00	$ 228.00
RIDER PIPP - UNIVERSAL SERVICE FEE [2]	$ -	$ -	$ -	$ 162.00	$ 162.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00	$ 6,750.00
Generation Infrastructure																		
GENERATION RIDERS APPROVED PRIOR TO 2020 [3]	$ 36,670.00	$ 34,070.00	$ 33,750.00	$ 34,570.00	$ 36,650.00	$ 30,460.00	$ 28,450.00	$ 28,120.00	$ 28,250.00	$ 27,680.00	$ 28,760.00	$ 26,570.00	$ 25,850.00	$ 25,980.00	$ 25,700.00	$ 25,180.00	$ 25,040.00	$ 26,080.00
RIDER SNA - NUCLEAR SUBSEQUENT LICENSE RENEWAL	$ -	$ -	$ -	$ -	$ 5,150.00	$ 4,340.00	$ 3,740.00	$ 6,350.00	$ 7,480.00	$ 9,620.00	$ 11,350.00	$ 12,470.00	$ 14,900.00	$ 15,930.00	$ 16,090.00	$ 15,740.00	$ 15,280.00	$ 14,770.00
Distribution Infrastructure [4]																		
GRID TRANSFORMATION PLAN	$ -	$ -	$ -	$ -	$ 1,160.00	$ 360.00	$ 3,840.00	$ 2,880.00	$ 3,640.00	$ 4,420.00	$ 5,090.00	$ 5,390.00	$ 5,280.00	$ 5,120.00	$ 4,950.00	$ 4,760.00	$ 4,580.00	$ 4,390.00
STRATEGIC UNDERGROUND PLAN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RURAL BROADBAND	$ -	$ -	$ -	$ 20.00	$ 90.00	$ 360.00	$ 610.00	$ 1,060.00	$ 1,550.00	$ 1,920.00	$ 2,180.00	$ 2,190.00	$ 2,160.00	$ 2,130.00	$ 2,100.00	$ 2,080.00	$ 2,060.00	$ 2,030.00
AS Environmental																		
RIDER E	$ 5,560.00	$ 5,560.00	$ 4,300.00	$ 3,140.00	$ 4,860.00	$ 2,170.00	$ 2,750.00	$ 1,790.00	$ 1,760.00	$ 1,710.00	$ 1,650.00	$ 1,580.00	$ 1,520.00	$ 1,460.00	$ 1,410.00	$ 1,340.00	$ 1,290.00	$ 1,230.00
RIDER CCR	$ -	$ -	$ -	$ 17,670.00	$ 17,730.00	$ 18,288.00	$ 18,258.00	$ 18,078.00	$ 16,230.00	$ 16,212.00	$ 12,756.00	$ 11,988.00	$ 12,222.00	$ 10,122.00	$ 7,554.00	$ 2,490.00	$ 1,302.00	$ 618.00
Additional Resources in Plan E																		
BEAR GARDEN 2039 RETIREMENT	$ -	$ -	$ -	$ -	$ 100.00	$ 320.00	$ 220.00	$ 210.00	$ 250.00	$ 230.00	$ 200.00	$ 280.00	$ 250.00	$ 220.00	$ 190.00	$ 170.00	$ 140.00	$ 430.00
VCHEC 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 200.00	$ 580.00	$ 480.00	$ 470.00	$ 470.00	$ 440.00	$ 430.00	$ 400.00	$ 390.00	$ 370.00	$ 340.00	$ 310.00	$ 290.00	$ 260.00
WARREN COUNTY 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ -	$ 110.00	$ 380.00	$ 180.00	$ 170.00	$ 160.00	$ 170.00	$ 190.00	$ 200.00	$ 180.00	$ 180.00	$ 180.00	$ 150.00	$ 170.00
GREENVILLE 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 120.00	$ 420.00	$ 330.00	$ 300.00	$ 300.00	$ 280.00	$ 270.00	$ 280.00	$ 270.00	$ 260.00	$ 230.00	$ 300.00	$ 290.00	$ 280.00
BRUNSWICK 2045 RETIREMENT	$ -	$ -	$ -	$ -	$ 60.00	$ 410.00	$ 320.00	$ 310.00	$ 320.00	$ 330.00	$ 330.00	$ 320.00	$ 290.00	$ 290.00	$ 290.00	$ 260.00	$ 280.00	$ 280.00
RPS Program-Related Resources Plan E																		
RIDER RPS [5]	$ -	$ -	$ -	$ 1,092.00	$ 10,860.00	$ 18,672.00	$ 19,500.00	$ 20,184.00	$ 15,138.00	$ 13,656.00	$ 11,994.00	$ 16,704.00	$ 21,480.00	$ 25,032.00	$ 28,530.00	$ 31,512.00	$ 35,454.00	$ 40,104.00
RIDER CE [6]	$ -	$ -	$ -	$ 480.00	$ 3,140.00	$ 7,850.00	$ 12,860.00	$ 21,800.00	$ 31,530.00	$ 42,630.00	$ 52,670.00	$ 62,210.00	$ 70,850.00	$ 79,040.00	$ 87,050.00	$ 94,940.00	$ 102,990.00	$ 111,210.00
RIDER CE - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (216.00)	$ (1,368.00)	$ (5,718.00)	$ (5,796.00)	$ (10,140.00)	$ (14,178.00)	$ (19,236.00)	$ (24,510.00)	$ (29,502.00)	$ (35,382.00)	$ (40,836.00)	$ (46,890.00)	$ (52,980.00)	$ (58,692.00)
RIDER CE - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (5,136.00)	$ (3,906.00)	$ (3,420.00)	$ (3,132.00)	$ (5,070.00)	$ (7,020.00)	$ (8,676.00)	$ (10,350.00)	$ (11,886.00)	$ (13,788.00)
RIDER CE - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ (10.00)	$ (100.00)	$ (340.00)	$ (1,130.00)	$ (2,000.00)	$ (3,060.00)	$ (4,310.00)	$ (5,660.00)	$ (6,860.00)	$ (7,670.00)	$ (8,940.00)	$ (10,240.00)	$ (11,620.00)
TOTAL RIDER CE	$ -	$ -	$ -	$ 480.00	$ 2,924.00	$ 6,472.00	$ 7,042.00	$ 15,664.00	$ 15,124.00	$ 22,546.00	$ 26,954.00	$ 30,258.00	$ 30,618.00	$ 29,778.00	$ 29,868.00	$ 28,760.00	$ 27,884.00	$ 27,110.00
RIDER PPA [8]	$ -	$ -	$ -	$ -	$ 1,680.00	$ 1,158.00	$ 2,920.00	$ 6,122.00	$ 9,782.00	$ 13,592.00	$ 17,612.00	$ 21,738.00	$ 26,074.00	$ 30,600.00	$ 35,388.00	$ 40,246.00	$ 45,372.00	$ 50,706.00
RIDER PPA - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ (2,058.00)	$ (2,262.00)	$ (4,452.00)	$ (5,070.00)	$ (6,732.00)	$ (8,874.00)	$ (11,322.00)	$ (13,860.00)	$ (16,200.00)	$ (19,020.00)	$ (21,582.00)	$ (24,462.00)	$ (27,378.00)	$ (30,312.00)
RIDER PPA - REC PROXY	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,686.00)	$ (2,628.00)	$ (2,136.00)	$ (1,848.00)	$ (2,748.00)	$ (3,714.00)	$ (4,512.00)	$ (5,286.00)	$ (5,976.00)	$ (6,864.00)
RIDER PPA - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ (80.00)	$ (30.00)	$ (90.00)	$ (260.00)	$ (720.00)	$ (1,210.00)	$ (1,790.00)	$ (2,470.00)	$ (3,220.00)	$ (3,870.00)	$ (4,310.00)	$ (4,980.00)	$ (5,680.00)	$ (6,420.00)
TOTAL RIDER PPA	$ -	$ -	$ -	$ -	$ (458.00)	$ (1,134.00)	$ (1,622.00)	$ 792.00	$ (2,356.00)	$ 880.00	$ 2,364.00	$ 3,560.00	$ 3,906.00	$ 3,996.00	$ 4,984.00	$ 5,518.00	$ 6,338.00	$ 7,110.00
RIDER OSW [9]	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,130.00	$ 22,760.00	$ 28,170.00	$ 43,410.00	$ 41,800.00	$ 40,200.00	$ 37,390.00	$ 35,110.00	$ 34,620.00	$ 32,780.00	$ 31,380.00	$ 30,700.00
RIDER OSW - FUEL BENEFIT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,974.00)	$ (18,174.00)	$ (19,182.00)	$ (20,100.00)	$ (20,832.00)	$ (21,564.00)	$ (22,026.00)	$ (22,566.00)	$ (23,094.00)	$ (23,676.00)
RIDER OSW - REC PROXY VALUE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (702.00)	$ (4,434.00)	$ (4,080.00)	$ (4,656.00)	$ (5,556.00)	$ (5,982.00)	$ (6,288.00)	$ (6,438.00)	$ (6,738.00)
RIDER OSW - CAPACITY OFFSET [7]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,030.00)	$ (1,150.00)	$ (1,300.00)	$ (1,440.00)	$ (1,970.00)	$ (1,600.00)	$ (1,690.00)	$ (1,780.00)	$ (1,870.00)
TOTAL OFFSHORE WIND (2 PHASES TOTALING 5,154 MW)	$ -	$ -	$ -	$ -	$ 3,470.00	$ 8,010.00	$ 15,130.00	$ 22,760.00	$ 26,196.00	$ 23,504.00	$ 17,034.00	$ 14,720.00	$ 10,462.00	$ 6,420.00	$ 5,012.00	$ 2,236.00	$ 68.00	$ (1,584.00)
NUCLEAR SMALL MODULAR REACTORS [9]	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 250.00	$ 890.00	$ 2,220.00	$ 4,380.00
RPS PROGRAM-RELATED RESOURCES SUBTOTAL	$ -	$ -	$ -	$ 1,572.00	$ 16,796.00	$ 32,020.00	$ 40,050.00	$ 59,400.00	$ 54,102.00	$ 60,586.00	$ 58,346.00	$ 65,242.00	$ 66,466.00	$ 65,226.00	$ 68,644.00	$ 68,916.00	$ 71,964.00	$ 77,120.00
PLAN E TOTAL	$ 350,860.69	$ 312,878.69	$ 313,786.69	$ 356,338.69	$ 456,166.60	$ 567,399.69	$ 458,167.63	$ 443,187.63	$ 444,481.63	$ 467,591.63	$ 474,983.63	$ 490,003.63	$ 503,955.63	$ 515,579.63	$ 529,981.63	$ 538,541.63	$ 554,025.63	$ 573,627.63
CAGR PLAN E (2019 BASE)													3.3%					3.1%
CAGR PLAN E (MAY 2020 BASE)													4.6%					3.9%

[1] Publicly available, annualized tariff rates consistent with the final order in Case No. PUR-2021-00058. No future changes modeled.
[2] No assumptions modeled for exemptions to Riders OSW & PIPP.
[3] Riders B, R, S, W, BW, GV, US-2, US-3 and US-4.
[4] *Includes all approved and anticipated phases of distribution infrastructure as of July 2022.*
[5] Includes the cost of purchase plus the REC proxy value for RECs from Company-owned and contracted-for resources.
[6] Includes specific Company-owned projects proposed in 2020 and thereafter, along with generic solar, distributed solar, storage and onshore wind.
[7] The need for a credit at the avoided capacity cost proxy value for Riders CE, PPA, and OSW under consideration in Case No. PUR-2021-00156.
[8] Includes specific PPAs proposed in 2020 and thereafter, along with generic solar and storage PPAs.
[9] While nuclear small modular reactors do not generate RECs, the output from such facilities reduces the Company's RPS Program annual requirement.

Summary of Lifetime Revenue Requirement
Virginia Jurisdiction Only
($ in Millions)

Calendar Year	Utility Scale Solar	Small Scale Solar	Offshore Wind	Storage	Total Excluding Benefits	Fuel Benefits	REC Benefits	Capacity Benefits	Subtotal Benefits	Total Including Benefits
2022 [1]	$68	$1	$79	$6	$153	($3)	$0	$0	($3)	$150
2023 [2]	111	2	195	7	316	(31)	0	(0)	(31)	284
2024	178	8	371	11	567	(51)	0	(1)	(53)	515
2025	248	19	562	28	858	(54)	0	(5)	(59)	799
2026	359	36	694	51	1,141	(100)	(49)	(11)	(159)	981
2027	506	53	1,069	93	1,721	(366)	(38)	(54)	(458)	1,264
2028	642	70	1,042	130	1,885	(435)	(99)	(76)	(610)	1,275
2029	750	85	1,050	171	2,057	(496)	(91)	(101)	(688)	1,370
2030	845	99	1,117	216	2,277	(551)	(121)	(127)	(798)	1,479
2031	932	111	1,276	264	2,583	(614)	(158)	(151)	(923)	1,660
2032	1,017	124	1,479	315	2,935	(669)	(183)	(168)	(1,020)	1,915
2033	1,102	136	1,606	365	3,210	(766)	(206)	(195)	(1,167)	2,043
2034	1,186	148	2,008	414	3,756	(1,105)	(236)	(267)	(1,607)	2,149
2035	1,238	156	1,957	450	3,802	(1,176)	(281)	(300)	(1,757)	2,045
2036	1,265	155	1,857	464	3,742	(1,239)	(322)	(327)	(1,888)	1,854
2037	1,224	149	1,634	445	3,452	(1,266)	(355)	(329)	(1,950)	1,502
2038	1,181	143	1,523	426	3,273	(1,284)	(373)	(331)	(1,988)	1,285
2039	1,143	138	1,480	409	3,170	(1,298)	(383)	(333)	(2,014)	1,156
2040	1,114	133	1,448	393	3,088	(1,317)	(395)	(335)	(2,047)	1,041
2041	1,087	129	1,409	378	3,003	(1,357)	(406)	(342)	(2,105)	898
2042	1,064	124	1,380	365	2,933	(1,397)	(419)	(352)	(2,168)	765
2043	1,043	120	1,348	351	2,861	(1,454)	(420)	(362)	(2,237)	624
2044	1,022	115	1,321	338	2,796	(1,506)	(426)	(371)	(2,304)	493
2045	1,002	111	1,297	323	2,733	(1,542)	(394)	(380)	(2,316)	418
2046	983	107	1,303	309	2,701	(1,564)	(385)	(390)	(2,339)	362
2047	964	102	1,267	276	2,608	(1,604)	(385)	(390)	(2,380)	229
2048	943	97	1,238	250	2,528	(1,652)	(386)	(392)	(2,430)	98
2049	904	92	1,222	222	2,440	(1,688)	(387)	(392)	(2,467)	(27)
2050	866	85	1,211	192	2,353	(1,731)	(386)	(390)	(2,507)	(153)
2051	828	75	1,205	160	2,269	(1,791)	(385)	(384)	(2,561)	(292)
2052	806	66	1,204	127	2,202	(1,861)	(391)	(373)	(2,626)	(424)
2053	795	57	1,189	95	2,135	(1,918)	(399)	(362)	(2,679)	(544)
2054	785	48	1,182	60	2,075	(1,984)	(404)	(348)	(2,737)	(661)
2055	775	40	1,169	28	2,011	(2,053)	(411)	(334)	(2,797)	(786)
2056	764	32	1,170	0	1,966	(2,063)	(417)	(322)	(2,802)	(836)
2057	752	25	634	0	1,412	(1,575)	(413)	(236)	(2,224)	(813)
2058	737	18	639	0	1,394	(1,613)	(310)	(226)	(2,149)	(754)
2059	711	11	640	0	1,362	(953)	(312)	(210)	(1,476)	(113)
2060	685	5	642	0	1,332	(942)	(308)	(196)	(1,447)	(115)
2061	654	2	643	0	1,299	(902)	(306)	(193)	(1,401)	(102)
2062	576	2	632	0	1,209	(809)	(298)	(185)	(1,292)	(83)
2063	498	2	569	0	1,069	(712)	(278)	(176)	(1,166)	(97)
2064	436	2	70	0	508	(634)	(244)	(69)	(948)	(439)
2065	375	2	0	0	378	(550)	(112)	(60)	(722)	(345)
2066	316	3	0	0	319	(464)	(95)	(51)	(611)	(292)
2067	258	3	0	0	260	(376)	(79)	(42)	(497)	(236)
2068	200	3	0	0	203	(285)	(63)	(32)	(380)	(177)
2069	143	3	0	0	146	(191)	(47)	(22)	(259)	(113)
2070	85	3	0	0	88	(94)	(31)	(11)	(136)	(48)
2071	0	0	0	0	0	0	0	0	0	0
Total	$36,168	$3,252	$47,030	$8,133	$94,583	($50,087)	($12,586)	($10,708)	($73,381)	$21,202

[1] Amounts shown for year 2022 represent the rate year of 05/01/2022-04/30/2023 for solar and storage, and the rate year of 09/01/2022-08/31/2023 for offshore wind.

[2] Amounts shown for year 2023 represent the rate year of 05/01/2023-04/30/2024 for solar and storage.

2022 RPS Development Plan
Attachment 13: Environmental Justice Evaluation and Ranking of Generic Resources

The Virginia Environmental Justice Act ("VEJA"), Va. Code § 2.2-234 *et seq.*, sets the policy of Virginia to promote environmental justice, ensuring the fair treatment and meaningful involvement of every person—regardless of race, color, national origin, income, faith, or disability—regarding the development, implementation, or enforcement of any environmental law, regulation, or policy.

Generally, the Company believes that environmental justice is best evaluated case-by-case based on the location of the project. The Company has established an environmental justice review process for evaluating its specific projects and programs that implicate environmental justice consistent with relevant laws and regulations, as well as previously developed U.S. Environmental Protection Agency guidance, and currently accepted best practices. The Company presents the results and status of these review processes in the relevant proceedings before the Commission, including for the CE-3 Projects, the CE-3 Distributed Solar Projects, and the CE-3 PPAs filed for approval with this 2022 RPS Development Plan. See the pre-filed direct testimony of Company Witnesses Todd Flowers and Brian M. Keefer for additional information.

In the 2020 Final Order, the Commission directed the Company to evaluate and rank the "potential environmental justice impacts of different renewable options."[1] Using the definitions in the VEJA as a guide, the Company interprets the phrase "environmental justice impacts" to mean negative environmental consequences resulting from the development of carbon-free generating resources on environmental justice communities located in discrete geographic areas. Consistent with the VCEA, and in response to feedback from Commission Staff, the Company evaluates the following type of generic carbon-free resources, which includes "different renewable options" as directed by the Commission: (1) utility-scale solar projects on greenfield sites; (2) utility-scale solar projects on brownfield sites; (3) distributed solar projects, including rooftop solar; (4) onshore wind projects; (5) and offshore wind projects; (6) battery storage; and (7) pumped storage.[2]

Limitations on Reviewing Generic Resources

Before turning to the evaluation, it is important to note the significant limitations of evaluating potential negative consequences of hypothetical, generic generating resources.

Environmental justice focuses first on determining whether an environmental justice community exists within a geographically discrete area. Without knowing a specific location, an environmental justice review can only occur in the abstract. For example, the extent of visual impacts on local farmland, open space easements, churches, and local residences is affected by local topography, trees, and vegetation, among other things. As another example, the extent (if any) of impacts to historic properties, wildlife, wetlands and other waters, and parks also depends on the nature of the local area.

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[1] In the 2021 Final Order, the Commission directed the Company to continue to present this evaluation.

[2] The Company notes that neither battery storage nor pumped storage is a renewable energy generation resource, and that neither generates electricity on its own.

In addition to a project's location, information about the project itself makes a difference in an environmental justice review. Generation projects come in all shapes and sizes that are driven by numerous variables, including land use and availability, geography, topography, presence of sensitive environmental resources, distance to existing electric infrastructure, costs of interconnection, local views on the placement of new generating resources, stakeholder input, availability of off-takers, permitting, and financing, among other things. The lack of project specific information is a key limitation in evaluating the potential environmental consequences of generic generating resources.

Of equal importance is the nature, makeup, and values of the relevant environmental justice community. This matters greatly in terms of both (1) developing and implementing appropriate steps and activities to ensure an opportunity for meaningful involvement, and (2) whether and how the various types of impacts that could result from the development of a project in or near the location of such community actually matter to that community. That is, after a community understands the proposed project and any potential impacts, whether it views them as detrimental or beneficial in light of all facts and circumstances. For example, in isolation, a community might view the visual impacts of a solar project located next to an existing interstate highway to be cumulative and negative. When the community weighs those impacts against how it values the development of carbon-free resources and any related financial and employment benefits to the area, however, it may actually support the project and conclude that any potential impacts related to the project are negated by its benefits. Put another way, what one community may find as a net negative project in terms of environmental impacts, another community may find as a net beneficial project in terms of environmental impacts.

In sum, evaluating the potential negative environmental consequences of carbon-free generation resources in the abstract without crucial site and community-specific information greatly limits an evaluation and ranking exercise.

Evaluation and Ranking

When evaluating and ranking carbon-free generating resources in light of potential negative environmental consequences on environmental justice communities, it is important, first, to recognize that these projects are subject to comprehensive regulatory oversight by expert agencies at the federal, state, and local levels. Specifically, in addition to the Commission's review and approval, expert agencies implement regulatory programs aimed at protecting environmental, historical, and other resources that may be impacted by such projects. For example, the Virginia Department of Environmental Quality ("DEQ") has comprehensive stormwater and erosion and sediment control programs to minimize and mitigate impacts to the land and water resources. DEQ also implements comprehensive solid and hazardous waste management programs, as well as air quality and fugitive dust programs. DEQ, together with the Virginia Marine Resources Commission, and in cooperation with the U.S. Army Corps of Engineers implement federal and state waters and wetlands protection and mitigation programs. Federal agencies, in coordination with the Virginia Department of Historic Resources protect, minimize, and mitigate impacts to historic, cultural, and tribal resources. Local permitting and zoning requirements (*e.g.*, special exception permits and site plan approvals) protect visual, noise, and traffic impacts. To the extent there are possible negative environmental consequences

on environmental justice communities from a specific generating facility, there also will be avoidance, minimization, and mitigation measures achieved through the federal, state, and local permitting processes, which should be considered when considering the severity and scope of any potential impacts.

Because an environmental justice inquiry is so fact specific, how one evaluates the impacts depends in large part on the type of impact in question and, as noted, the nature, makeup, and values of the environmental justice community in question. Nevertheless, to comply with the Commission's directives, the Company provides the following evaluation and rankings from the perspectives of different potential impacts:

- From an air quality and physical health perspective during operations, all evaluated generic projects generally rank evenly. As discussed above, physically larger projects located on land generally will have longer construction timelines than physically smaller projects, and thus, likely would tend to produce more fugitive dust and construction equipment-related emissions. Thus, distributed solar projects likely would rank more favorably than utility-scale solar projects and onshore wind projects. Because most construction of offshore wind projects takes place in the ocean away from environmental justice communities, it too would tend to rank higher than land-based projects from this perspective. When considering any potential interconnection line to the onshore system, the offshore wind project would tend to rank evenly with the smaller onshore projects.

- From a wetlands and onshore water (*e.g.*, rivers, streams, ponds, groundwater) quality perspective, solar-based projects tend to be sited in cleared fields, and away from areas with a significant presence of such water features, making direct impacts less likely. Nevertheless, solar-based projects tend to prevent rainwater from infiltrating the ground (potentially impacting groundwater quality), and can produce runoff. Runoff, in turn, can create impacts to offsite or nearby waters and cause erosion and sediment mobilization that can impact surface water quality. Such potential impacts are subject to comprehensive stormwater and erosion and sediment regulation, which prevents and mitigates such impacts. Onshore wind projects directly impact far less land, and thus, may not prevent rainwater infiltration. Due to the construction of onshore wind projects on wind prone ridges, for example, soil and landscape disturbance may produce stormwater and erosion and sediment issues. Again, however, such impacts can be prevented or mitigated through compliance with the comprehensive stormwater and erosion and sediment regulations. Considering these issues, from the perspective of wetlands and onshore water quality, the solar and onshore wind projects tend to rank evenly. While the generating portion of offshore wind projects would not impact onshore wetlands or water quality, any interconnection line onshore would tend to rank evenly with the other projects, as it would be subject to the same comprehensive regulatory regime (and can be designed to avoid and minimize impacts to wetlands and water, as is done for all interconnection projects).

- From a noise perspective, operational wind projects will generate noise due to blade rotation, while solar-based projects do not generate noise when operational. Here, solar projects will rankly highly against an onshore wind project. While offshore wind

projects will generate noise when operational, such noise will not be heard on land, and thus, offshore wind projects rank highly against onshore projects from this perspective.

- From a visual impacts perspective, it may be the proximity of a proposed project to the environmental justice community, and not general project size, that compels the potential scope and severity of visual impacts. Further, the vantage point of the viewer and what view is being impacted matters greatly. For example, one could find that an onshore wind project with turbines located near the apex of a mountain ridge greatly impacts a view of the vista and the overall landscape. In turn, another could conclude that a distributed solar project in a farm field near a flowery meadow greatly impacts a calming view of the country-side. Others may find that viewing a solar project in their community generates a sense of pride in providing carbon-free energy for it, and other Virginians, while some may find that any energy infrastructure mars their community. Given the subjectivity of visual impacts, and the inability to generalize about the potential scope and severity of such impacts based solely on, for example, the size or common location of the generating resources being evaluated, the solar and onshore wind projects tend to rank evenly from this perspective. From a land-based view, the generating portion of offshore wind projects tend to rank favorably because of their location far off in the ocean. The interconnection line for an offshore wind project ranks evenly with the other land-based resources, for the reasons stated.

- From the perspective of impacts from project proximity to residences, the solar projects tend to rank evenly. While it might be assumed that distributed solar projects always will have less impact on nearby residences than utility-scale solar projects simply based on size, that may not always be the case. Further, such projects are subject to local permitting requirements, which can and often do include buffering requirements. Further, in the Company's experience, in some cases solar projects enjoy natural buffers that hide the project from the community, even when near residences. Onshore wind projects tend to be located in more mountainous terrain, and thus often away from more populated areas or more ideal locations for residences. Such projects may enjoy natural buffering from residences, but the ability to create buffering for them can be more limited when compared to solar projects. Here, solar projects and onshore wind projects tend to rank evenly, but one could conclude that onshore wind projects might rank less favorably from this perspective. The generating portion of offshore wind projects are not located near residences, while their interconnection lines might be located near residences, depending on the circumstances, and often take advantage of natural buffers. From this perspective, offshore wind projects rank evenly with solar projects.

Table 1, appended to this attachment, provides a more in-depth evaluation of the likelihood of potential negative environmental consequences from generic, hypothetical carbon-free generating resources. For each of the potential negative environmental consequences, the table notes whether that consequence will not occur ("N"), is not likely ("NL"), is possible ("P"), is likely ("L"), or will occur ("Y"). Notably, all generating resources must interconnect to the electric grid. Some resources are located directly adjacent to existing grid infrastructure (*i.e.*, a substation or transmission line), while other resources may have interconnection wires of varying lengths and sizes. For offshore wind resources, both underwater and onshore interconnection

wires will be needed. Table 1 includes consideration of the types of potential impacts one might also find from interconnection wires for a project.

The Company's evaluation and ranking of carbon-free generating resources in the abstract in Table 1 yields several observations. First, all projects will have temporary construction-related impacts of fugitive dust, emissions from construction equipment, traffic, and noise. The duration and scope of these temporary impacts likely will be correlated to the size of the project. Thus, for example, while all projects come in varying shapes and sizes, the Company would expect longer and more spread-out temporary construction-related impacts for a utility-scale solar project with 50 MW of capacity than from a distributed solar project with 3 MW of capacity. In turn, and considering the difficulties of mountainous terrain, the Company would expect the construction of a 500 MW onshore wind project to take longer than a 50 MW utility-scale solar project located in a cleared field and, thus, the duration and scope of construction-related impacts to be longer and potentially more spread out, geographically speaking.

Reviewing the operating characteristics of each resource provides additional insight. When in operation, carbon-free resources will not have ongoing air emissions. All solar-based resources will not generate noise when operating, while wind-based resources will generate noise due to the sound the rotating blades produce. The noise from offshore wind generators, however, would not be heard by environmental justice communities. Solar-based resources generally may produce and temporarily store hazardous waste in the form of spent solar panels during operations, while the same generally is not true for the wind-based resources.

For many categories of potential negative environmental impacts, the most the Company can determine for all of the resource being evaluated is that they are "possible" or may or may not be "likely." Even assuming impacts were likely, this does not dictate the potential scope and severity of any such impacts on an abstract environmental justice community. Importantly, environmental justice communities do not exist in the abstract. Because each community is unique, making generic assumptions about all environmental justice communities is of limited value in this evaluation. As discussed, to the extent that a project may produce a negative environmental consequence, the potential benefits of such project may weigh on how an environmental justice community views the potential negative environmental consequences.

Conclusion

The evaluation and ranking of generic carbon-free generating resources in the abstract helps provide a general understanding of the types of negative environmental consequences that a specific project might yield. Beyond the temporary construction-related and certain operational impacts each project will have, however, simply ranking generic carbon-free generation projects holds little value and could create default assumptions about such projects that often are contrary to the specific facts of actual projects. The results of this evaluation thus demonstrate the importance of evaluating each carbon-free generating project from an environmental justice perspective on a project-specific basis.

Table 1: Evaluation of Potential Environmental Impacts

	Utility Scale Solar - Greenfield	Utility Scale Solar - Brownfield	Distributed Solar	Onshore Wind	Offshore Wind	Battery Storage	Pumped Storage
Continuous air emissions	N	N	N	N	N	N	N
Temporary construction-related air emissions (*e.g.*, fugitive dust, equipment exhaust emissions)	Y	Y	Y	Y	Y	Y	Y
Intermittent air emissions (*e.g.*, emergency generator)	NL	NL	NL	L[£]	L[£]	NL	L[£]
Temporary construction-related access and laydown area land impacts	Y	Y	Y	Y	Y	Y	Y
Tree or vegetation clearing and trimming impacts	L	NL	L	L	P	L	Y
Temporary construction-related noise impacts	Y	Y	Y	Y	Y	Y	Y
Continuous noise impacts	N	N	N	Y	N	P	Y
Temporary construction-related traffic impacts	Y	Y	Y	Y	Y[∞]	Y	Y
Continuous traffic impacts	N	N	N	N	N	N	N
Visual impacts	Y	Y	Y	Y	Y	Y	Y
Wetlands impacts	NL	NL	NL	P	P	NL	Y[Σ]

	Utility Scale Solar - Greenfield	Utility Scale Solar - Brownfield	Distributed Solar	Onshore Wind	Offshore Wind	Battery Storage	Pumped Storage
Non-voluntary private property impacts (*e.g.*, property for new rights-of-way)	P	NL	P	P	P	P	Y$^{\Sigma}$
Proximity to residences or other sensitive populations	P	P	P	P	P	P	NL
Waters Impacts (physical ocean/river/creek/stream impacts)	NL	NL	NL	P	Y	NL	Y$^{\Sigma}$
Stormwater and erosion / sediment impacts	Y	Y	Y	Y	Y	Y	Y$^{\Sigma}$
Protected species impacts	P	NL	P	P	P	P	L$^{\Sigma}$
Non-protected species wildlife / marine impacts (*e.g.*, habitat corridors)	P	NL	P	P	P	P	Y$^{\Sigma}$
Open spaces / farmland impacts	L	NL	L	P	P	L	Y$^{\Sigma}$
Historic properties impacts (*e.g.*, architectural, archeological, tribal)	P	P	P	P	P	P	P
Non-historic, but culturally significant property impacts (*e.g.*, parks, churches, tribal)	P	P	P	P	P	P	P

	Utility Scale Solar - Greenfield	Utility Scale Solar - Brownfield	Distributed Solar	Onshore Wind	Offshore Wind	Battery Storage	Pumped Storage
Solid waste generation[β] and temporary storage	Y	Y	Y	Y	Y	Y	Y
Hazardous waste generation[¥] and temporary storage	Y[¥]	Y[¥]	Y[¥]	P	P	Y	Y

£ Battery storage projects often require back-up fuel generators to maintain the temperature of the system in an emergency situation. Offshore wind projects have back-up fuel generators located in offshore substations and onshore stations.

∞ Traffic impacts related to offshore wind projects generally would be limited to the construction of interconnection lines, and not the offshore construction of the turbines.

β All resources generate solid waste during construction and operations.

¥ Spent (*i.e.*, exhausted useful life) or damaged and inoperative solar panels are managed as hazardous waste.

∑ The siting of a pumped storage facility likely would have significant impacts on the resources for which this note is assigned.