# **McGuireWoods**

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May 1, 2023

## **VIA ELECTRONIC DELIVERY**

Ms. A. Shonta Dunston, Chief Clerk North Carolina Utilities Commission Dobbs Building 430 North Salisbury Street Raleigh, North Carolina 27603-5918

Re: Historical Review of 2019 REPS Plan

Docket No. E-100, Sub 192 Docket No. E-100, Sub 157

Dear Ms. Dunston:

Enclosed for filing is Virginia Electric and Power Company d/b/a Dominion Energy North Carolina's ("DENC" or "the Company") historical review of the 2019 North Carolina Renewable Energy and Energy Efficiency Portfolio Standard Compliance Plan ("2019 REPS Plan"), as originally filed on August 29, 2019, in Docket No. E-100, Sub 157. The Company has reviewed its 2019 REPS Plan in accordance with the Commission's directive in Ordering Paragraph (3) of the June 3, 2013, Order Granting in Part and Denying in Part Motion for Disclosure issued in Docket No, E-100, Sub 137 ("2013 Disclosure Order"). The Company has determined that certain information redacted from the 2019 REPS Plan and originally filed confidentially under seal should no longer be withheld from public disclosure. However, information identifying renewable energy credit ("REC") contract counter-parties and REC pricing for active REC contracts remains commercially sensitive. Public disclosure of this information could potentially harm the Company's ability to negotiate and procure cost-effective RECs for future REPS compliance. Accordingly, the Company continues to designate this information as confidential trade secret information pursuant to N.C. Gen. Stat. § 132-1.2. The Company will make this information available to other parties pursuant to an appropriate nondisclosure agreement.

The Company notes that its determination regarding disclosure of prior trade secret information in its historical 2019 REPS Plan should not be considered a waiver of DENC's right to continue its designation of similar information as confidential trade secret information in future REPS Compliance Plans and future historical REPS Compliance Plan confidentiality reviews. See 2013 Disclosure Order at 10 (holding that utility's determination that past REPS information is non-confidential information suitable for public disclosure does not constitute waiver of utility's right to claim same category of disclosed REPS information is confidential in future years).

Thank you for your assistance with this matter. Feel free to contact me with any questions about this filing.

| Sincerely,         |  |
|--------------------|--|
| /s/Andrea R. Kells |  |

ARK/als

Enclosures

# VIRGINIA ELECTRIC AND POWER COMPANY 2019 REPS COMPLIANCE PLAN

Pursuant to N.C.G.S. § 62-133.8 and North Carolina Utilities Commission ("NCUC" or "Commission") Rule R8-67(b), Virginia Electric & Power Company d/b/a Dominion Energy North Carolina ("DENC" or the "Company") submits its annual Renewable Energy and Energy Efficiency Portfolio Standard ("REPS") Compliance Plan. The REPS Compliance Plan covers the current calendar year (2019) and immediately subsequent two calendar years (2020-2021) (the "Planning Period"). The Company also presents REPS compliance information for Town of Windsor ("Windsor") during the Planning Period.<sup>1</sup>

The Company's 2019 REPS Compliance Report, filed in August 2019, indicates that the Company and Windsor have satisfied all 2018 REPS compliance obligations.

## 1.1 RENEWABLE ENERGY REQUIREMENTS

Figures 1.1.1 and 1.1.2 summarize the Company's North Carolina REPS goals and Virginia's Renewable Energy Portfolio Standard ("RPS") goals for each year of the Planning Period. Figure 1.1.3 summarizes Windsor's North Carolina REPS goals.

Figure 1.1.1 2019-2021 COMPANY'S NC REPS COMPLIANCE GOALS

|                               | 2019             | 2020             | 2021             |  |  |
|-------------------------------|------------------|------------------|------------------|--|--|
| NC Total REPs Obligation %    | 10.0%            | 10.0%            | 12.5%            |  |  |
| NC Solar Set-Aside Target %   | 0.20%            | 0.20%            | 0.20%            |  |  |
| NC Total Swine Set-Aside %    | 0.07%            | 0.07%            | 0.14%            |  |  |
| Projected Poultry Set-Aside % | 3.31% of 700,000 | 3.31% of 900,000 | 3.31% of 900,000 |  |  |

Figure 1.1.2 2019-2021 COMPANY'S VA RPS COMPLIANCE GOALS

|                           | 2019 | 2020 | 2021 |
|---------------------------|------|------|------|
| VA Total RPs Obligation % | 7.0% | 7.0% | 7.0% |

The RPS goals are a percentage of the amount of electricity sold in 2007 (the "base year"), minus the average annual percentage of nuclear generators between 2004 and 2006.

Figure 1.1.3 2019-2021 TOWN OF WINDSOR NC REPS COMPLIANCE GOALS

|                               | 2019             | 2020             | 2021             |
|-------------------------------|------------------|------------------|------------------|
| NC Total REPs Obligation %    | 10%              | 10%              | 12.5%            |
| NC Solar Set-Aside Target %   | 0.20%            | 0.20%            | 0.20%            |
| NC Total Swine Set-Aside %    | 0.07%            | 0.07%            | 0.14%            |
| Projected Poultry Set-Aside % | 0.04% of 700,000 | 0.04% of 900,000 | 0.04% of 900,000 |

<sup>&</sup>lt;sup>1</sup>Town of Windsor is a wholesale customer of the Company, for which DENC provides REPS compliance services.

## 1.2 COMPLIANCE PLAN

In accordance with Rule R8-67(b)(1)(i), the Company describes its planned actions to comply with N.C.G.S. 62-133.8 (b),(c),(d),(e), and (f) for each year.

## The Company

During the Planning Period, the Company plans to meet its statutory annual REPS obligations, as modified by the Commission<sup>2</sup>, through the use of renewable energy certificates ("RECs")<sup>3</sup>, energy efficiency ("EE") savings and new company-generated renewable energy where economically feasible.

Figure 1.2.1 summarizes the Company's REPS compliance requirements and strategy for the Planning Period.

Figure 1.2.1 2019-2021 COMPANY'S REPS COMPLIANCE PLAN SUMMARY

| Figure 1.2.1 2019-2021 COMPANY 5 REPS COMPLIANCE PLAN SUMMARY |           |           |           |  |  |  |
|---|-----------|-----------|-----------|--|--|--|
|   | 2019      | 2020      | 2021      |  |  |  |
| Baseline Sales Forecast (MWh)                                 | 4,265,000 | 4,307,650 | 4,350,727 |  |  |  |
| NC Total REPs Obligation %                                    | 10.0%     | 10.0%     | 12.5%     |  |  |  |
| Total REPS Obligation (MWh) <sup>1</sup>                      | 440,079   | 426,500   | 538,457   |  |  |  |
| NC Solar Set-Aside Target %                                   | 0.20%     | 0.20%     | 0.20%     |  |  |  |
| Total Solar Set-Aside (MWh)¹                                  | 8,802     | 8,530     | 8,616     |  |  |  |
| NC Total Swine Set-Aside %                                    | 0.07%     | 0.07%     | 0.14%     |  |  |  |
| Total Swine Set-Aside (MWh) <sup>1</sup>                      | 3,081     | 2,986     | 6,031     |  |  |  |
| Projected Poultry Set-Aside %                                 | 3.31%     | 3.31%     | 3.31%     |  |  |  |
| Total Poultry Set-Aside (MWh)²                                | 23,174    | 29,796    | 29,796    |  |  |  |
| General Requirement (net of Solar, Swine and Poultry) (MWh)   | 405,022   | 385,188   | 494,014   |  |  |  |
| Projected Energy Efficiency (MWh) <sup>3</sup>                | 27,551    | 27,551    | 27,551    |  |  |  |
| Projected Company Generated Renewables (MWh) <sup>4</sup>     | 72,395    | 190,655   | 234,455   |  |  |  |

Notes: (1) 2019 targets are based on actual 2018 retail sales of 4,400,784 MWh. 2020-2021 targets are based on baseline retail sales forecasts. The total target is the product of the previous year's baseline load and the current year target percentage. (2) Targets are based on the average of 2013-2015 load share ratio. (3) For REPS reporting and compliance purpose, DENC will rely upon actual EE savings achieved by North Carolina customers. (4) Company Generated Renewables (MWh) are the estimated North Carolina jurisdictional allocation of the Company's solar and biomass generation.

<sup>&</sup>lt;sup>2</sup> On October 8, 2018, the Commission issued an Order reducing the initial swine waste set-aside requirement to 0.02% for the electric public utilities and delaying the swine waste set-aside requirement for municipalities. The Commission also modified the poultry waste set-aside aggregate requirement to 300,000 MWh. *Order Modifying the Swine and Poultry Waste Set-Aside Requirement and Providing Other Relief*, Docket No. E-100, Sub 113 (October 8, 2018) ("2018 Delay Order").

<sup>&</sup>lt;sup>3</sup> For planning purposes, the Company notes that it has unique flexibility to use out-of-state RECs for REPS compliance. *Order on Dominion's Motion for Further Clarification*, Docket No. E-100, Sub 113 (Sept. 22, 2009) (holding that the meaning of N.C.G.S. § 62-133.8(b)(2)(e) is to allow the Company to achieve up to 100% REPS general obligation and set-aside compliance using out-of-state RECs).

As shown in Figure 1.2.1, the Company's REPS requirements in the Planning Period include the solar energy resource requirement ("Solar Set-Aside"), swine waste resource requirement ("Swine Set-Aside"), and poultry waste resource requirement ("Poultry Set-Aside"). In addition, the Company must also ensure that, in total, the RECs that it produces or procures, combined with energy efficiency savings, is an amount equivalent to ten percent (10%) of its prior year retail sales in compliance years 2019 and 2020, and twelve and a half percent (12.5%) in 2021 ("Total Obligation").<sup>4</sup>

## The Town of Windsor

Planned REPS compliance for Windsor during the Planning Period is outlined in Figure 1.2.2

Figure 1.2.2 2019-2021 TOWN OF WINDSOR REPS COMPLIANCE PLAN SUMMARY

| COMMAN   |        |        |        |  |  |  |  |
|--|--------|--------|--------|--|--|--|--|
|  | 2019   | 2020   | 2021   |  |  |  |  |
| Baseline Sales Forecast (MWh)                                    | 49,100 | 49,650 | 50,200 |  |  |  |  |
| NC Total REPs Obligation %                                       | 10%    | 10%    | 12.5%  |  |  |  |  |
| Total REPS Obligation (MWh) <sup>1</sup>                         | 5,047  | 4,910  | 6,207  |  |  |  |  |
| NC Solar Set-Aside Target %                                      | 0.20%  | 0.20%  | 0.20%  |  |  |  |  |
| Total Solar Set-Aside (MWh)¹                                     | 101    | 99     | 100    |  |  |  |  |
| NC Total Swine Set-Aside %                                       | 0.07%  | 0.07%  | 0.14%  |  |  |  |  |
| Total Swine Set-Aside (MWh)                                      | 36     | 35     | 70     |  |  |  |  |
| Projected Poultry Set-Aside %                                    | 0.04%  | 0.04%  | 0.04%  |  |  |  |  |
| Total Poultry Set-Aside (MWh) <sup>2</sup>                       | 265    | 340    | 340    |  |  |  |  |
| General REPS Requirement (net of Solar, Swine and Poultry) (MWh) | 4,645  | 4,436  | 5,697  |  |  |  |  |

Notes: (1) 2019 targets are based on actual 2018 retail sales of 50,462 MWh reported by Windsor to DNCP. 2020-2021 targets are based on forecasts reported by the Windsor to DNCP. The total target is a product of the previous year's baseline retail sales and the current year target percentage. (2) Targets are based on the average of 2013-2015 load share ratio.

## Solar Set-Aside

Pursuant to N.C.G.S. § 62-133.8(d), the Company must produce or procure solar RECs equal to a minimum of twenty hundredths of one percent (0.20%) of the prior year's total electric power in megawatthours ("MWh") sold to retail customers in North Carolina in 2019, 2020 and 2021.

Based on the Company's actual retail sales in 2018, the Solar Set-Aside is 8,802 RECs in 2019. Based on forecasted retail sales, the Solar Set-Aside is projected to be approximately 8,530 RECs in 2020, and 8,616 RECs in 2021, respectively.

<sup>&</sup>lt;sup>4</sup> The Company refers to its Total Obligation, net of the Solar, Swine, and Poultry Set-Aside requirements, as its General Requirement ("General Requirement").

The Company's Solar Set-Aside compliance strategy is consistent with DENC's plan from the previous years, as described herein. Specifically, the Company plans to buy unbundled solar RECs. The Company has purchased, or entered into contracts to purchase, solar RECs for DENC's compliance with N.C.G.S. § 62-133.8(d). These contracts will provide enough solar RECs to satisfy the Company's compliance through 2021. The Company has also executed contracts with solar facilities located in North Carolina that will satisfy the in-state portion of the Windsor's compliance requirements for 2019 through 2021. The Company continues to evaluate opportunities to purchase both in-state and out-of-state solar RECs, and will continue to make all reasonable efforts to satisfy DENC's and Windsor's solar set-aside requirements during the Planning Period.

## Swine Waste Set-Aside

Pursuant to N.C.G.S. § 62-133.8(e) and the 2018 Delay Order, for calendar years 2019 and 2020, at least seven hundredths of one percent (0.07%) and for calendar year 2021, fourteen hundredths of one percent (0.14%) of prior year total retail electric power sold in aggregate by electric power suppliers in North Carolina must be supplied by energy derived from swine waste. As the Company's share of the State's total retail megawatt-hour sales is approximately 3.31 percent, the Company's Swine Set-Aside requirement is 3,081 RECs in 2019, 2,986 RECs in 2020, and 6,031 RECs in 2021.

Independently of the Swine Waste REC Buyers Group, the Company has executed swine waste to energy contracts with two suppliers. As a result of these efforts, both DENC and the Windsor have sufficient RECs in NC-RETs to meet the 2019-2021 requirements.

The Company continues to evaluate all potential opportunities to purchase both in-state and out-of-state swine RECs, and will continue to make all reasonable efforts to satisfy DENC's Swine Set-Aside requirements during the Planning Period. The Company continues to work with the Swine Waste REC Buyers Group. Due to the high default rate with swine waste to energy contracts, the Company intends to contract for RECs above and beyond the initial requirement to increase the probability of maintaining compliance. The Company intends to bank any excess RECs to be used for future compliance.

#### Poultry Waste Set-Aside

Pursuant to N.C.G.S. § 62-133.8(f) and the 2018 Delay Order, for calendar year 2019, at least 700,000 MWhs, and for 2020 and thereafter, at least 900,000 MWhs of the prior year's total electric power sold to retail electric customers in the State or an equivalent amount of energy shall be produced or procured each year by poultry waste, as defined per the Statute and additional clarifying Orders. As the Company's retail sales share of the State's total retail megawatt-hour sales is approximately 3.31 percent, the Company's Poultry Set-Aside is 23,174 RECs in 2019 and estimated to be 29,796 RECs in 2020 and 2021.

Initially, the Poultry Waste REC Buyers Group executed two (2) long-term poultry waste contracts and the Company, as a part of this group, has executed two (2) long-term contracts to satisfy the Town of Windsor's in-state Poultry Set-Aside requirements. One (1) of the in-state contracts was terminated by mutual agreement with the supplier in September 2013, the other was terminated in April 2018. In an attempt to locate and purchase additional poultry RECs, the Company joined with the Poultry Waste REC Buyers Group in requesting Commission approval for a RFP in Docket E-100 Sub 113. The RFP was conducted in 2013 and resulted in two (2) additional contracts. Based on the execution of two (2)

contracts that could each, individually, provide sufficient RECs, the Company has enough in-state RECs for Windsor compliance with the full Poultry Set-Aside in 2019 and 2020. At this time, the Company is reasonably confident that Town of Windsor will be in compliance with the full Poultry Set-Aside in 2021. The Company has also continued to search for opportunities to purchase poultry waste RECs in North Carolina and throughout the continental United States. These efforts yielded multiple poultry waste REC contracts and sufficient delivered volume to comply with both the Company's and Windsor's out-of-state requirements for years 2019, 2020 and 2021.

## General REPS Requirements Net of Solar, Swine and Poultry

Pursuant to N.C.G.S. § 62-133.8(d), the Company is required to comply with its Total Obligation in the Planning Period by submitting for retirement a total volume of RECs equivalent to ten percent (10%) in 2019 and 2020, and twelve and a half percent (12.5%) in 2021. This equates to approximately 430,000 RECs in 2019 and 2020, and 540,000 RECs in 2020 and beyond. This General Requirement, net of the Solar, Swine, and Poultry Set-Aside requirements, is 405,022 RECs in 2019 and estimated to be approximately 400,000 in 2020, and approximately 500,000 RECs in 2021 and beyond. The resource options available to the Company to meet the General Requirement are discussed below, as well as the Company's plan to meet the General Requirement with these resources.

The Company plans to comply with the General Requirement using a combination of EE savings generated by the Company's portfolio of approved North Carolina EE programs; purchasing in-state and out-of-state RECs; and using company-generated new renewable energy resources. For Windsor, the Company plans to comply with the General Requirement using its Southeastern Power Administration ("SEPA") allocation of hydroelectric RECs, in-state biomass RECs, and out-of-state biomass RECs.

Pursuant to Commission Rule R8-67(b)(1)(iii), the Company has presented in Figure 1.4.1 below these EE measures that it plans to use toward REPS compliance, including projected impacts.

Company-generated new renewable energy includes generation from biomass fuel co-firing at the Company's Virginia City Hybrid Energy Center (VCHEC), which commenced commercial operations in 2012, as well as biomass fuel conversions at the Altavista, Hopewell and Southampton power stations, which commenced commercial operations in 2013. The Company is currently selling the RECs generated at these biomass facilities in PJM Tier 1 markets at a significant premium to the out-of-state general RECs the Company is purchasing for compliance. Company-generated new renewable energy also includes generation from operational and planned Company-owned solar facilities in Virginia and North Carolina. The Company is selling the solar RECs generated at these facilities in the PJM markets at a substantial premium to the in-state and out-of-state solar RECs the Company is purchasing for REPS compliance.<sup>5</sup>

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<sup>&</sup>lt;sup>5</sup> On April 10, 2014, the Commission approved the Company's Rule R8-66 REPS Facility Registration Statement for VCHEC in Docket No. E-22, Sub 489. The Company will file Rule R8-66 REPS Facility Registration Statements for Altavista, Hopewell and Southampton power stations and for Company-owned solar facilities prior to relying on these facilities for REPS compliance.

## 1.3 REC CONTRACTS

In accordance with Rule R8-67(b)(1)(ii), the Company provides a list of executed contracts to purchase renewable energy certificates.

As mentioned in the previous section, the Company has purchased wind, biomass, hydro, poultry waste, swine waste and solar RECS and entered into long-term poultry waste, swine waste and solar REC contracts to comply with N.C.G.S. § 62-133.8(b), (d), (e), and (f). Figures 1.3.1 through 1.3.4 provide summaries of the key terms (volume, term, price, current status, and expiration date) of the Company's executed REC purchase contracts.

Figure 1.3.1 Solar REC Purchase Contract Summary<sup>1</sup>

|                                    | Full Term<br>Total<br>Volume | Term | Price / REC   | Total<br>Expense | Current<br>Status | Expiration<br>Date |
|------------------------------------|------------------------------|------|---------------|------------------|-------------------|--------------------|
| Solar Star California              | 15,000                       | 6    | \$9.60        | \$144,000        | Expired           | 6/11/2018          |
| Tioga Solar                        | 729                          | 1    | \$8.00        | \$5,832          | Expired           | 6/15/2011          |
| Tioga Solar                        | 392                          | 1    | \$5.00        | \$1,960          | Expired           | 6/15/2011          |
| ST Silver Bluff <sup>2</sup>       | 4                            | 1    | \$85.00       | \$340            | Expired           | 2/22/2011          |
| NCMPA I <sup>2</sup>               | 4                            | 1    | \$130.00      | \$520            | Expired           | 8/15/2011          |
| GE Aviation <sup>2</sup>           | 50                           | 1    | \$85.00       | \$4,250          | Expired           | 12/7/2011          |
| Constellation Energy               | 2,000                        | 2    | \$11.00       | \$22,000         | Expired           | 4/19/2011          |
| DDM Mortgage <sup>2</sup>          | 40                           | 1    | \$50.00       | \$2,000          | Expired           | 2/27/2012          |
| Carolina Solar Energy <sup>2</sup> | 24                           | 1    | \$40.00       | \$960            | Expired           | 3/12/2012          |
| Shoe Show <sup>3</sup>             | 2,000                        | 1    | \$4.00        | \$8,000          | Expired           | 10/1/2014          |
| Aspre Energy                       | 2,000                        | 1    | \$5.00        | \$10,000         | Expired           | 2/28/2014          |
| Ecos Energy                        | 1,544                        | 1    | \$3.25        | \$5,018          | Expired           | 4/20/2015          |
| Solar Star California              | 664                          | 2    | \$2.50        | \$1,660          | Expired           | 4/20/2015          |
| Solar Star California <sup>2</sup> | 331                          | 1    | \$3.00        | \$993            | Expired           | 4/21/2015          |
| Duke Energy Renewable Services     | 2,000                        | 1    | \$2.75        | \$5,500          | Expired           | 2/3/2016           |
| Duke Energy Renewable Services     | 2,000                        | 1    | \$2.75        | \$5,500          | Expired           | 2/3/2016           |
| 3Degrees Group, Inc.               | 5,000                        | 1    | \$2.50        | \$12,500         | Expired           | 3/20/2018          |
| STX Services, B.V.                 | 2,932                        | 2    | \$2.50        | \$7,330          | Expired           | 3/1/2017           |
| 3Degrees Group, Inc.               | 9,500                        | 1    | \$2.25        | \$21,375         | Expired           | 3/20/2018          |
| Sun Energy 1                       | 1,057                        | 1    | \$2.25        | \$2,378          | Expired           | 6/5/2017           |
| STX Services, B.V.                 | 15,000                       | 3    | \$0.90        | \$13,500         | Active            | 3/31/2021          |
| Duke Energy Renewable Services     | 15,000                       | 3    | \$0.80        | \$12,000         | Active            | 2/28/2022          |
| Shift Equity                       | 7,145                        | 3    | \$0.55        | \$3,930          | Expired           | 1/11/2019          |
| Total Volume                       | 84,416                       |      | Total Expense | \$291,546        |                   |                    |

Notes: Contract counterparties and prices are confidential. (1) The Company plans to bank any surplus RECs from 2013-2018 for future compliance purposes. (2) Contracts for Windsor compliance. (3) Contracts for Windsor solar or general REPS compliance.

| Figure 1,3.2 Poultry Waste REC Purchase Contract Summary <sup>1</sup> |                              |      |             |                  |                   |                    |  |
|---|------------------------------|------|-------------|------------------|-------------------|--------------------|--|
|   | Full Term<br>Total<br>Volume | Term | Price / REC | Total<br>Expense | Current<br>Status | Expiration<br>Date |  |
| Sterling Planet <sup>2</sup>  | 0                            | 2    | \$19.00     | \$0              | Terminated        | NA                 |  |
| Northern States Power   | 25,000                       | 2    | \$23.25     | \$581,250        | Expired           | 10/31/2012         |  |
| NCRP-Lumberton <sup>2,3</sup>   | 0                            | 20   | \$48.43     | \$0              | Terminated        | NA                 |  |
| Northern States Power   | 15,000                       | 1    | \$23.25     | \$348,750        | Expired           | 4/28/2014          |  |
| Duke Energy Carolinas <sup>3</sup>                                    | 55                           | 1    | \$41.00     | \$2,255          | Expired           | 1/8/2015           |  |
| Northern States Power <sup>3</sup>                                    | 699                          | 1    | \$23.00     | \$16,077         | Expired           | 12/15/2014         |  |
| Northern States Power   | 20,000                       | 1    | \$25.00     | \$500,000        | Expired           | 4/20/2015          |  |
|   | 4,860                        | 15   |             |                  |                   |                    |  |
|   | 6,480                        | 15   |             |                  |                   |                    |  |
| Northern States Power   | 59,400                       | 1    | \$24.00     | \$1,425,600      | Expired           | 9/30/2015          |  |
| Gettysburg Energy   | 1,576                        | 3    | \$30.00     | \$47,280         | Expired           | 8/5/2015           |  |
|   | 136,000                      | 10   |             |                  |                   |                    |  |
| Duke Energy Carolinas <sup>3</sup>                                    | 50                           | 1    | \$46.00     | \$2,300          | Expired           | 1/22/2016          |  |
| Northern States Power   | 10,000                       | 1    | \$24.00     | \$240,000        | Expired           | 2/26/2016          |  |
| Duke Energy Carolinas <sup>3</sup>                                    | 40                           | 1    | \$56.05     | \$2,242          | Expired           | 2/16/2017          |  |
| Northern States Power   | 12,000                       | 1    | \$28.00     | \$336,000        | Expired           | 3/1/2017           |  |
|   | 225,000                      | 15   |             |                  |                   |                    |  |
| · · · · · · · · · · · · · · · · · · ·                                 |                              |      |             |                  |                   |                    |  |

Notes: Contract counterparties and prices are confidential. (1) The Company plans to bank any surplus RECs from 2012-2018 for future compliance purposes. (2) Contract terminated. (3) Contract for Windsor compliance.

Total Expense

516,160

**Total Volume** 

## **CONFIDENTIAL INFORMATION REDACTED**

Figure 1.3.3 General REC Purchase Contract Summary<sup>1</sup>

|                                      | Figure 1.3.3 General REC Purchase Contract Summary |          |                  |             |            |            |
|--------------------------------------|--|----------|------------------|-------------|------------|------------|
|                                      | Full Term Total                                    | Term     | Price / REC      | _ Total     | Current    | Expiration |
|                                      | Volume   |          | 111007 REG       | Expense     | Status     | Date       |
| 3Degrees Group                       | 30,000   | 1        | \$1.00           | \$30,000    | Expired    | 3/6/2012   |
| Renewable Choice Energy              | 20,000   | 1        | \$1.00           | \$20,000    | Expired    | 5/25/2012  |
| Renewable Choice Energy              | 30,000   | 1        | \$0.93           | \$27,900    | Expired    | 3/6/2012   |
| Capital Power <sup>2</sup>           | 1,000  | 1        | \$5.00           | \$5,000     | Expired    | 9/18/2012  |
| Aspre Energy                         | 42,400   | 1        | \$0.90           | \$38,160    | Expired    | 6/5/2013   |
| Aspre Energy                         | 25,600   | 1        | \$0.97           | \$24,832    | Expired    | 10/5/2012  |
| Aspre Energy                         | 35,000   | 1        | \$1.35           | \$47,250    | Expired    | 10/17/2013 |
| Aspre Energy                         | 25,000   | 1        | \$0.95           | \$23,750    | Expired    | 8/2/2012   |
| Aspre Energy                         | 15,000   | 1        | \$1.25           | \$18,750    | Expired    | 11/8/2013  |
| Northern States Power                | 64,746   | 1        | \$1.25           | \$80,933    | Expired    | 11/21/2013 |
| Scenic View Dairy <sup>2</sup>       | 10,943   | 5        | \$1.70           | \$18,583    | Expired    | 1/31/2016  |
| Pattern Gulf Wind                    | 25,000   | 1        | \$1.15           | \$28,750    | Expired    | 1/9/2015   |
| EC&R Energy Marketing                | 25,000   | 1        | \$1.10           | \$27,500    | Expired    | 11/3/2014  |
| Invenergy Renewables                 | 25,000   | 1        | \$1.05           | \$26,250    | Expired    | 10/14/2014 |
| Wyeth Holdings <sup>2</sup>          | 27,587   | 3        | \$0.75           | \$20,690    | Expired    | 1/15/2015  |
| Aspre Energy                         | 50,000   | 1        | \$0.95           | \$47,500    | Expired    | 12/22/2014 |
| EC&R Energy Marketing                | 50,000   | 1        | \$0.90           | \$45,000    | Expired    | 1/23/2015  |
| Midway Power                         | 12,265   | 2        | \$0.70           | \$8,586     | Expired    | 4/1/2015   |
| EC&R Energy Marketing                | 50,000   | 1        | \$0.83           | \$41,500    | Expired    | 3/6/2015   |
| Panhandle Wind                       | 30,000   | 1        | \$0.77           | \$23,100    | Expired    | 4/21/2015  |
| EC&R Energy Marketing                | 54,459   | 1        | \$0.70           | \$38,121    | Expired    | 4/14/2015  |
| Invenergy Renewables                 | 50,000   | 1        | \$0.60           | \$30,000    | Expired    | 5/18/2015  |
| 3Degrees Group                       | 50,000   | 1        | \$0.50           | \$25,000    | Expired    | 6/23/2015  |
| NCRP - Lumberton, LLC <sup>2,3</sup> | 0  | 20       | \$18.43          | \$0         | Terminated | NA         |
| NIPSCO                               | 50,000   | 1        | \$0.43           | \$21,500    | Expired    | 10/28/2015 |
| EC&R Energy Marketing                | 25,000   | 1        | \$0.40           | \$10,000    | Expired    | 9/14/2015  |
| 3Degrees Group                       | 50,000   | 1        | \$0.38           | \$18,750    | Expired    | 2/22/2016  |
| Blue Delta Energy                    | 350,000  | 2        | \$0.30           | \$105,000   | Expired    | 1/18/2017  |
| STX Services, B.V.                   | 325,000  | 1        | \$0.30           | \$97,500    | Expired    | 8/7/2017   |
| International Paper                  | 75,978   | 2        | \$0.32           | \$24,313    | Expired    | 9/25/2017  |
| STX Services, B.V.                   | 150,000  | 1        | \$0.12           | \$18,000    | Expired    | 10/24/2018 |
| STX Services, B.V.                   | 300,000  | 1        | \$0.32           | \$96,000    | Expired    | 9/12/2017  |
| EC&R Energy Marketing                | 300,000  | 1        | \$0.40           | \$120,000   | Expired    | 2/20/2019  |
| EC&R Energy Marketing                | 400,000  | 1        | \$0.43           | \$172,000   | Active     | 2/15/2020  |
| STX Services, B.V. <sup>3</sup>      | 0  | 1        | \$0.40           | \$0         | Terminated | NA         |
| 3Degrees Group                       | 200,000  | 1        | \$0.69           | \$138,000   | Expired    | 7/31/2019  |
| 3Degrees Group                       | 200,000  | 1        | \$0.73           | \$145,000   | Expired    | 3/27/2019  |
| Adani Solar USA                      | 1,796,716  | 10       | \$0.65           | \$1,167,865 | Active     | 8/15/2030  |
| Invenergy Renewables                 | 154,505  | 1        | \$0.70           | \$108,154   | Expired    | 4/15/2019  |
| International Paper                  | 47,589   | 2        | \$0.60           | \$28,553    | Expired    | 2/7/2019   |
| Fathom Energy                        | 120,000  | 1        | \$0.68           | \$81,600    | Expired    | 3/26/2019  |
| Total Volume                         | 5,293,788  | <u> </u> | Total Expense    | \$3,049,390 |            |            |
| i Stai Volaille                      | 1 3,233,733  | <u> </u> | I Total Expelled | +0,0-0,000  | l          |            |

Notes: Contract counterparties and prices are confidential. (1) The Company plans to bank any surplus RECs from 2012-2018 for future compliance purposes. (2) Contract for Windsor compliance. (3) Contract terminated.

Figure 1.3.4 Swine Waste REC Purchase Contract Summary<sup>1</sup>

|  | Full Term<br>Total Volume | Term | Price / REC   | Total<br>Expense | Current<br>Status | Expiration<br>Date |
|--|---------------------------|------|---------------|------------------|-------------------|--------------------|
| RES Agriculture NC 1 <sup>3</sup>                | 6,480                     | 20   | \$55.00       | \$493,063        | Active            | 1/15/2033          |
| RES Agriculture NC 2 <sup>3,4</sup>              | 0                         | 20   | \$48.50       | \$0              | Terminated        | NA                 |
| RES Agriculture NC 3 <sup>3,4</sup>              | 0                         | 20   | \$50.57       | \$0              | Terminated        | NA                 |
| Scenic View Dairy <sup>3,5</sup>                 | 2,315                     | 5    | \$13.00       | \$30,095         | Expired           | 1/31/2016          |
|  | 108,500                   | 15   |               |                  |                   |                    |
| Greensboro Ecosystems,<br>LLC <sup>2,3,4,5</sup> | 0                         | 20   | \$115.00      | \$0              | Terminated        | NA                 |
| RES Tar Heel, LLC <sup>2,3,4</sup>               | 0                         | 20   | \$97.25       | \$0              | Terminated        | NA                 |
| NCRP - Lumberton, LLC4                           | 0                         | 20   | \$105.00      | \$0              | Terminated        | NA                 |
| Orion Energy Marketing                           | 1,000                     | 1    | \$100.00      | \$100,000        | Expired           | 8/21/2017          |
| Blue Mountain Biogas                             | 1,672                     | 1    | \$50.00       | \$83,600         | Expired           | 4/10/2018          |
|  | 36,000                    | 10   |               |                  |                   |                    |
| Total Volume                                     | 155,967                   |      | Total Expense |                  |                   |                    |

Notes: Contract counterparties and prices are confidential. (1) The Company plans to bank any surplus RECs from 2010-2018 for future compliance. (2) Reduced volumes in first year of contract. (3) Price escalates annually. Prices given are for initial year. (4) Contract terminated. (5) Contract for Windsor compliance.

## **CONFIDENTIAL INFORMATION REDACTED**

## 1.4 ENERGY EFFICIENCY PROGRAMS

In accordance with Rule R8-67(b)(1)(iii), the Company provides a list of planned or implemented energy efficiency measures, including a brief description of the measure and projected impacts.

The Company intends to apply North Carolina EE savings to meet the REPS requirements as permitted by law. Figure 1.4.1 lists energy efficiency programs and resulting potential savings projected to be achieved by North Carolina customers. A description of these EE programs can be found in the 2019 EM&V Report filed on May 1, 2019, in Docket No. E-22, Sub 556.

Figure 1.4.1 FORECAST SAVINGS (MWh) NORTH CAROLINA ENERGY EFFICIENCY PROGRAMS

| Tigule 1.4.11 OkeoAd1 OATHOO (MITH) HORTH OAROEMA EREKOT EITTOLEROTTRO |        |        |        |  |  |
|--|--------|--------|--------|--|--|
|  | 2019   | 2020   | 2021   |  |  |
| Air Conditioner Cycling Program <sup>1</sup>                           | 0      | 0      | 0      |  |  |
| Commercial HVAC Upgrade Program <sup>1</sup>                           | 110    | 110    | 110    |  |  |
| Commercial Lighting Program <sup>1</sup>                               | 2,743  | 2,743  | 2,743  |  |  |
| Residential Low Income Program <sup>1</sup>                            | 615    | 615    | 615    |  |  |
| Residential Lighting Program <sup>1</sup>                              | 1,028  | 1,028  | 1,028  |  |  |
| Non-residential Energy Audit Program <sup>2</sup>                      | 1,386  | 1,386  | 1,386  |  |  |
| Non-residential Duct Testing and Sealing Program <sup>2</sup>          | 3,155  | 3,155  | 3,155  |  |  |
| Residential Home Energy Check-Up Program <sup>2</sup>                  | 791    | 791    | 791    |  |  |
| Residential Duct Sealing Program <sup>2</sup>                          | 133    | 133    | 133    |  |  |
| Residential Heat Pump Tune-Up Program <sup>2</sup>                     | 1,208  | 1,208  | 1,208  |  |  |
| Residential Heat Pump Upgrade Program <sup>2</sup>                     | 297    | 297    | 297    |  |  |
| Non-residential Heating and Cooling Efficiency Program <sup>3</sup>    | 0      | 0      | 0      |  |  |
| Non-residential Lighting Systems and Controls Program <sup>3</sup>     | 7,565  | 7,565  | 7,565  |  |  |
| Non-residential Window Film Program <sup>3</sup>                       | 0      | 0      | 0      |  |  |
| Income and Age Qualifying Home Improvement Program <sup>4</sup>        | 173    | 173    | 173    |  |  |
| Small Business Improvement Program <sup>5</sup>                        | 1,085  | 1,085  | 1,085  |  |  |
| Residential Retail LED Lighting Program (NC Only) <sup>5</sup>         | 6,913  | 6,913  | 6,913  |  |  |
| Non-Residential Prescriptive Program <sup>6</sup>                      | 350    | 350    | 350    |  |  |
| Energy Efficiency Total <sup>7</sup>                                   | 27,552 | 27,552 | 27,552 |  |  |

Notes: (1) DSM I programs. (2) DSM II programs. (3) DSM III programs. (4) DSM IV programs. (5) DSM V programs. (6) DSM VI program. (7) Forecast based on initial 2018 EM&V data. The Company is using estimates for the first year of these programs, and will use actual savings in subsequent years. For REPS reporting and compliance purpose, DENC will rely upon actual EE savings achieved by North Carolina customers.

## 1.5 RETAIL SALES & CUSTOMER ACCOUNTS

In accordance with Rule R8-67(b)(1)(iv), the Company states the projected Company's North Carolina retail sales and year-end number of customer accounts by customer class for each year.

## The Company

Figure 1.5.1 summarizes the Company's North Carolina retail sales and Figure 1.5.2 summarizes the yearend number of customer accounts by customer class for each year of the Planning Period.

Figure 1.5.1 COMPANY'S NORTH CAROLINA RETAIL SALES<sup>1</sup>

| Voor             | Residential | Residential Commercial |             | Total Sales |
|------------------|-------------|------------------------|-------------|-------------|
| Year             | Sales (MWh) | Sales (MWh)            | Sales (MWh) | (MWh)       |
| 2019 (projected) | 1,645,000   | 858,000                | 1,762,000   | 4,265,000   |
| 2020 (projected) | 1,655,000   | 863,000                | 1,762,000   | 4,307,650   |
| 2021 (projected) | 1,665,000   | 867,000                | 1,761,000   | 4,350,727   |

Notes: (1) Excludes the Town of Windsor's wholesale customer load.

Figure 1.5.2 COMPANY'S NORTH CAROLINA CUSTOMER ACCOUNTS<sup>1</sup>

| Year             | Residential |        |    | Total     |
|------------------|-------------|--------|----|-----------|
| Teal             | Customers   |        |    | Customers |
| 2019 (projected) | 103,177     | 15,698 | 56 | 118,931   |
| 2020 (projected) | 103,496     | 15,730 | 56 | 119,282   |
| 2021 (projected) | 103,847     | 15,763 | 56 | 119,666   |

Notes: (1) Customer account totals are year-end forecasts.

## Town of Windsor

Figure 1.5.3 summarizes the Windsor's retail sales and Figure 1.5.4 summarizes the year-end number of customer accounts by customer class for each year of the Planning Period.

Figure 1.5.3 TOWN OF WINDSOR'S RETAIL SALES<sup>1</sup>

| Year             | Residential | Commercial  | Industrial  | Total Sales |
|------------------|-------------|-------------|-------------|-------------|
| rear             | Sales (MWh) | Sales (MWh) | Sales (MWh) | (MWh)       |
| 2019 (projected) | 19,000      | 21,000      | 9,100       | 49,100      |
| 2020 (projected) | 19,300      | 21,200      | 9,150       | 49,650      |
| 2021 (projected) | 19,500      | 21,500      | 9,200       | 50,200      |

Note: (1) Sales are year-end forecasts reported by the Town of Windsor to DENC.

Figure 1.5.4 TOWN OF WINDSOR'S CUSTOMER ACCOUNTS<sup>1</sup>

| Year             | Residential | Commercial | Industrial | Total     |
|------------------|-------------|------------|------------|-----------|
| rear             | Customers   | Customers  | Customers  | Customers |
| 2019 (projected) | 1,360       | 400        | 1          | 1,761     |
| 2020 (projected) | 1,365       | 405        | 1          | 1,771     |
| 2021 (projected) | 1,375       | 410        | 1          | 1,786     |

Notes: (1) Customer account totals are year-end forecasts reported by the Town of Windsor to DENC.

#### 1.6 AVOIDED COST RATES

In accordance with Rule R8-67(b)(1)(v), the Company provides the following statement regarding the current and projected avoided cost rates for each year.

For facilities eligible for the Company's avoided cost standard offer contract, see Dominion Energy North Carolina Schedule 19 for currently available energy and capacity rates. Figure 1.6.1 shows the Company's projected avoided energy and capacity rates.

Figure 1.6.1 PROJECTED AVOIDED ENERGY AND CAPACITY COST (from E-100 Sub 158)1

|      | On-Peak (\$/MWh) | Off-Peak (\$/MWh) | Capacity Price (\$/kW-Year) |
|------|------------------|-------------------|-----------------------------|
| 2019 | 32.83            | 24.97             | 0.00                        |
| 2020 | 30.83            | 23.73             | 0.00                        |
| 2021 | 31.13            | 24.52             | 0.00                        |

Note: (1) These rates were filed on November 1, 2018 and will likely change in a future compliance filing pursuant to the North Carolina Utilities Commission final order in Docket E-100, Sub 158.

## 1.7 TOTAL & PROJECTED COSTS

In accordance with Rule R8-67(b)(1)(vi), the Company provides the projected total and incremental costs anticipated to implement REPS Compliance plan for each year of the Planning Period.

## The Company

The Company's Planning Period incremental costs to comply with the Solar Set-Aside, Swine Set-Aside, Poultry Set-Aside and General Requirements are presented in Figure 1.7.1 below.

Figure 1.7.1 COMPANY'S REPS COMPLIANCE COST SUMMARY

| Figure 1.7.1 COMPANY'S REPS  Type of REC | 2019      | 2020        | 2021        |
|--|-----------|-------------|-------------|
| Solar                                    |           |             |             |
| Target (MWh)                             | 8,802     | 8,530       | 8,616       |
| REC Cost (\$/MWh) <sup>1</sup>           | \$2.25    | \$3.10      | \$1.00      |
| Projected Cost                           | \$19,805  | \$26,443    | \$8,616     |
| Swine                                    |           |             |             |
| Target (MWh)                             | 3,081     | 2,986       | 6,031       |
| REC Cost (\$/MWh)1                       | \$81.00   | \$75.00     | \$82.00     |
| Projected Cost                           | \$249,561 | \$223,950   | \$494,542   |
| Poultry                                  |           |             |             |
| Target (MWh)                             | 23,174    | 29,796      | 29,796      |
| REC Cost (\$/MWh) <sup>1</sup>           | \$24.00   | \$24.25     | \$24.25     |
| Projected Cost                           | \$556,176 | \$722,553   | \$722,553   |
| General RECs                             |           |             |             |
| Target (MWh)                             | 405,022   | 385,188     | 494,014     |
| Less Energy Efficiency <sup>2</sup>      | 27,875    | 27,875      | 27,875      |
| Net Target                               | 377,147   | 357,313     | 466,139     |
| REC Cost (\$/MWh)1                       | \$0.31    | \$0.50      | \$0.70      |
| Projected Cost                           | \$116,916 | \$178,657   | \$326,297   |
| Administrative Costs <sup>3</sup>        | \$22,000  | \$22,000    | \$22,000    |
| Microgrid Research Project Cost⁴         | \$564     | \$564       | \$564       |
| TOTAL PROJECTED COMPLIANCE COST          | \$965,021 | \$1,174,167 | \$1,574,572 |

Notes: (1) 2019-2021 projected REC costs are based on market estimates, signed contracts and/or ongoing negotiations. (2) Projected EE savings represents a projected system allocation. (3) Administrative costs include, but are not limited to: NC-RETs fees, broker fees and miscellaneous expenses. (4) As permitted by NCGS § 62-133.8 (h)(1) and (4), DENC has developed a North Carolina Microgrid research and development (R&D) project. This figure represents research project projected costs prior to receiving any offsetting tax credits.

## The Town of Windsor

The Town of Windsor's projected Planning Period REPS costs are expected to consist of the sum of the costs required to comply with the Solar Set-Aside, Swine Set-Aside, Poultry Set-Aside and other General Requirements Figure 1.7.2 outlines Windsor's Compliance Cost Summary from 2019 to 2021.

Figure 1.7.2 TOWN OF WINDSOR'S COMPLIANCE COST SUMMARY

| Type of REC                        | 2019     | 2020     | 2021     |  |
|------------------------------------|----------|----------|----------|--|
| Solar                              |          |          |          |  |
| Target (MWh)                       | 101      | 99       | 100      |  |
| REC Cost (\$/MWh) <sup>1</sup>     | \$3.75   | \$3.75   | \$3.75   |  |
| Projected Cost                     | \$379    | \$371    | \$375    |  |
| Swine                              |          |          |          |  |
| Target (MWh)                       | 36       | 35       | 70       |  |
| REC Cost (\$/MWh) <sup>1</sup>     | \$47.00  | \$48.00  | \$49.00  |  |
| Projected Cost                     | \$1,692  | \$1,680  | \$3,430  |  |
| Poultry                            |          |          |          |  |
| Target (MWh)                       | 265      | 340      | 340      |  |
| REC Cost (\$/MWh) <sup>1</sup>     | \$70.00  | \$71.00  | \$72.00  |  |
| Projected Cost                     | \$18,550 | \$24,140 | \$24,480 |  |
| General REPs                       |          |          |          |  |
| Target (MWh)                       | 4,645    | 4,436    | 5,697    |  |
| REC Cost (\$/MWh) <sup>1</sup>     | \$1.50   | \$1.50   | \$1.50   |  |
| Projected Cost                     | \$6,968  | \$6,654  | \$8,546  |  |
| TOTAL PROJECTED COMPLIANCE<br>COST | \$27,588 | \$32,845 | \$36,831 |  |

Notes: (1) 2019-2021 projected REC costs are based on market estimates, signed contracts and/or ongoing negotiations.

## 1.8 ANNUAL COST CAPS

In accordance with Rule R8-67(b)(1)(vii), the Company provides the following comparison of projected costs to the annual cost caps contained in N.C.G.S. § 62-133.8(h)(4).

Figure 1.8.1 provides a comparison of the Company's projected costs to the annual cost caps for each year of the Planning Period. Compliance costs are allocated to the Customer Classes based on the percentage of each of the Customer Class Cost Caps to the Total Cost Cap.

Figure 1.8.1 COMPANY'S COMPARISON TO ANNUAL CAPS

| Compliance Year                           | Residential | Commercial  | Industrial | Total       |
|---|-------------|-------------|------------|-------------|
| 2019                                      | Customers   | Customers   | Customers  | Customers   |
| Actual Year-End Annual Customers (2018)   | 103,159     | 18,227      | 50         | 121,436     |
| Annual Cost Cap per Customer              | \$27        | \$150       | \$1,000    | -           |
| Annual Cost Cap, Total                    | \$2,785,293 | \$2,734,050 | \$50,000   | \$5,569,343 |
| Projected Cost of Compliance <sup>1</sup> | \$482,618   | \$473,739   | \$8,664    | \$965,021   |

| Compliance Year<br>2020                    | Residential<br>Customers | Commercial<br>Customers | Industrial<br>Customers | Total<br>Customers |
|--|--------------------------|-------------------------|-------------------------|--------------------|
| Projected Year-End Annual Customers (2019) | 103,177                  | 15,698                  | 56                      | 118,931            |
| Annual Cost Cap per Customer               | \$27                     | \$150                   | \$1,000                 | -                  |
| Annual Cost Cap, Total                     | \$2,785,779              | \$2,354,700             | \$56,000                | \$5,196,479        |
| Projected Cost of Compliance <sup>1</sup>  | \$629,459                | \$532,054               | \$12,653                | \$1,174,167        |

| Compliance Year                            | Residential | Commercial  | Industrial | Total       |
|--|-------------|-------------|------------|-------------|
| 2021                                       | Customers   | Customers   | Customers  | Customers   |
| Projected Year-End Annual Customers (2020) | 103,496     | 15,730      | 56         | 119,282     |
| Annual Cost Cap per Customer               | \$27        | \$150       | \$1,000    | -           |
| Annual Cost Cap, Total                     | \$2,794,392 | \$2,359,500 | \$56,000   | \$5,209,892 |
| Projected Cost of Compliance <sup>1</sup>  | \$844,542   | \$713,106   | \$16,925   | \$1,574,572 |

Notes: (1) Projected costs were allocated to the customer classes based on customer percentage of total cost cap.

Figure 1.8.2 provides a comparison of Windsor's projected costs to the annual cost caps for each year of the Planning Period. Compliance costs are allocated to the Customer Classes based on the percentage of each of the Customer Class Cost Caps to the Total Cost Cap.

Figure 1.8.2 TOWN OF WINDSOR'S COMPARISON TO ANNUAL CAPS

| Compliance Year                           | Residential | Commercial | Industrial | Total     |
|---|-------------|------------|------------|-----------|
| 2019                                      | Customers   | Customers  | Customers  | Customers |
| Actual Year-End Annual Customers (2018)   | 1,359       | 395        | 1          | 1,755     |
| Annual Cost Cap per Customer              | \$27        | \$150      | \$1,000    | -         |
| Annual Cost Cap, Total                    | \$36,693    | \$59,250   | \$1,000    | \$96,943  |
| Projected Cost of Compliance <sup>1</sup> | \$10,442    | \$16,861   | \$285      | \$27,588  |

| Compliance Year                            | Residential | Commercial | Industrial | Total     |
|--|-------------|------------|------------|-----------|
| 2020                                       | Customers   | Customers  | Customers  | Customers |
| Projected Year-End Annual Customers (2019) | 1,360       | 400        | 1          | 1,761     |
| Annual Cost Cap per Customer               | \$27        | \$150      | \$1,000    | -         |
| Annual Cost Cap, Total                     | \$36,720    | \$60,000   | \$1,000    | \$97,720  |
| Projected Cost of Compliance <sup>1</sup>  | \$12,342    | \$20,167   | \$336      | \$32,845  |

| Compliance Year<br>2021                    | Residential<br>Customers <sup>2</sup> | Commercial<br>Customers | Industrial<br>Customers | Total<br>Customers |
|--|---------------------------------------|-------------------------|-------------------------|--------------------|
| Projected Year-End Annual Customers (2020) | 1,365                                 | 405                     | 1                       | 1,771              |
| Annual Cost Cap per Customer               | \$27                                  | \$150                   | \$1,000                 | -                  |
| Annual Cost Cap, Total                     | \$36,855                              | \$60,750                | \$1,000                 | \$98,605           |
| Projected Cost of Compliance <sup>1</sup>  | \$13,766                              | \$22,691                | \$374                   | \$36,831           |

Notes: (1) The Town of Windsor is to determine the allocation among the different customer classes.

## 1.9 REPS RIDER

In accordance with Rule R8-67(b)(1)(viii), the Company provides an estimate of the amount of the REPS rider and the impact on the cost of fuel and fuel-related costs rider necessary to fully recover the projected costs.

|   | 2019        | 2020        | 2021        |
|---|-------------|-------------|-------------|
| Total Projected REPS Compliance Costs   | \$965,021   | \$1,174,167 | \$1,574,572 |
|   |             |             |             |
| Costs recovered through the Fuel Rider  | \$0         | \$0         | \$0         |
|   |             |             |             |
| Total Incremental Cost                  | \$965,021   | \$1,174,167 | \$1,574,572 |
| Annual REPS Rider - Residential         | \$837,191   | \$1,018,775 | \$1,366,425 |
| Annual REPS Rider - Commercial          | \$127,376   | \$154,840   | \$207,410   |
| Annual REPS Rider - Industrial          | \$454       | \$551       | \$737       |
|   |             |             |             |
| Projected Annual Cost Caps (REPS Rider) | \$5,569,343 | \$5,196,479 | \$5,209,892 |

## **CERTIFICATE OF SERVICE**

I hereby certify that copies of the foregoing <u>2019 NC REPS Plan PUBLIC REDACTED</u>, as filed in Docket Nos. E-100, Sub 157 and E-100, Sub 192, were served electronically or via U.S. mail, first-class, postage prepaid, upon all parties of record.

This, the 1st day of May, 2023.

/s/Andrea R. Kells

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