

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. E-2, SUB 1205

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of:

Application of Duke Energy Progress, LLC)
for Approval of Renewable Energy and)
Energy Efficiency Portfolio Standard) ORDER APPROVING REPS
(REPS) Compliance Report and Cost) AND REPS EMF RIDERS AND
Recovery Rider Pursuant to N.C.G.S. 62-) 2018 REPS COMPLIANCE
133.8 and Commission Rule R8-67) REPORT
)

HEARD: Monday, September 9, 2019 at 2:00 p.m. in the Commission Hearing Room
2115, Dobbs Building, 430 North Salisbury Street, Raleigh, North Carolina

BEFORE: Commissioner Daniel E. Clodfelter, Presiding; Chair Charlotte A. Mitchell,
Commissioner ToNola D. Brown-Bland, Commissioner Lyons Gray

APPEARANCES:

For Duke Energy Progress, LLC:

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For the Using and Consuming Public:

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BY THE COMMISSION: On June 11, 2019, Duke Energy Progress, LLC (DEP or the Company) filed its 2018 Renewable Energy and Energy Efficiency Portfolio Standard (REPS) Compliance Report and an application seeking an adjustment to its North Carolina retail rates and charges pursuant to N.C.G.S. § 62-133.8(h) and Commission Rule R8-67, which require the Commission to conduct an annual proceeding for the purpose of determining whether a rider should be established to permit the recovery of the incremental costs incurred to comply with the requirements of the REPS, N.C.G.S. §§ 62-133.8(b), (d), (e) and (f), and to true up any under-recovery or over-recovery of compliance costs. DEP's application was accompanied by the testimony and exhibits of Travis E. Payne, Business Development Manager, and Veronica I. Williams, Rates and Regulatory Strategy Manager. In its application and pre-filed testimony, DEP sought approval of its proposed REPS rider, which incorporated the Company's proposed adjustments to its North Carolina retail rates.

On June 21, 2019, the Commission issued an Order setting this matter for hearing; establishing deadlines for the submission of intervention petitions, intervenor testimony, and DEP rebuttal testimony; requiring the provision of appropriate public notice; and mandating compliance with certain discovery guidelines.

The North Carolina Sustainable Energy Association (NCSEA) and the Carolina Utility Customers Association, Inc., filed separate petitions to intervene in this docket, and the interventions were allowed by the Commission. The intervention and participation by the Public Staff are recognized pursuant to N.C.G.S. § 62-15(d) and Commission Rule R1-19(e).

On July 16, 2019, DEP filed supplemental testimony and revised exhibits of witnesses Payne and Williams, along with a proposed public notice reflecting the revised rates.

On August 19, 2019, the Public Staff filed the affidavits and exhibits of Evan B. Lawrence, Utilities Engineer in the Electric Division, and Michelle M. Boswell, Staff Accountant in the Accounting Division.

On August 27, 2019, DEP filed additional supplemental testimony and a 2nd Revised Exhibit No. 4 of witness Williams and the Rebuttal Testimony of witness Payne.

On August 30, 2019, DEP filed a motion for witnesses to be excused from the evidentiary hearing, which was allowed by the Commission.

On September 6 and 10, 2019, DEP filed affidavits of publication demonstrating that the notice of the public hearing was published as required by the Commission's Orders issued in this proceeding.

This matter came on for hearing on September 9, 2019. DEP presented the testimony and exhibits of witnesses Payne and Williams, and the Public Staff presented the affidavits of witnesses Boswell and Lawrence. All pre-filed testimony, exhibits, and affidavits from DEP and Public Staff witnesses were received into evidence.

Based upon the foregoing, including the testimony, exhibits, and affidavits of the parties' witnesses, the records in the North Carolina Renewable Energy Tracking System (NC-RETS), and the entire record in this proceeding, the Commission now makes the following:

FINDINGS OF FACT

1. DEP is a duly organized limited liability company existing under the laws of the State of North Carolina, is engaged in the business of developing, generating, transmitting, distributing, and selling electric power to the public in North Carolina, and is subject to the jurisdiction of the North Carolina Utilities Commission as a public utility. DEP is lawfully before this Commission based upon its application filed pursuant to N.C.G.S. § 62-133.8 and Commission Rule R8-67.

2. For calendar year 2018, the Company was required to meet at least 10% of its previous year's North Carolina retail electric sales by a combination of renewable energy and energy reductions due to the implementation of energy efficiency measures. Also in 2018, energy in the amount of at least 0.20% of the previous year's total electric power sold by DEP to its North Carolina retail customers must be supplied by solar energy resources.

3. Beginning in 2012, N.C.G.S. § 62-133.8(e) and (f) require DEP and the other electric suppliers of North Carolina, in the aggregate, to procure a certain portion of their renewable energy requirements from electricity generated from swine and poultry waste, with the poultry waste requirement being based on each electric power supplier's respective pro-rata share derived from the ratio of its North Carolina retail sales as compared to total state-wide North Carolina retail sales. In its Order Modifying the Swine and Poultry Waste Set-Aside Requirements and Providing Other Relief, issued on October 8, 2018, in Docket No. E-100, Sub 113 (2018 Delay Order), the Commission modified the 2018 Swine Waste Set-Aside requirement for public utilities to require that the public utilities supply 0.02% of their prior year North Carolina retail sales from

swine-waste resources, and delayed for one year the scheduled increases in the swine-waste requirements. In addition, the 2018 Delay Order modified the 2018 state-wide poultry waste set-aside requirement to 300,000 MWh, and delayed the subsequent scheduled increases by one year.

4. DEP complied with the 2018 solar set-aside requirements by submitting for retirement 73,660 renewable energy certificates (RECs) procured or generated from solar electric facilities and metered solar thermal energy facilities. DEP also complied with the 2018 poultry waste set-aside requirements by submitting for retirement 66,987 poultry waste RECs and 8,789 Senate Bill 886 RECs, which are credited as 17,578 poultry waste RECs pursuant to S.L. 2010-195 (Senate Bill 886), for a total of 84,565 poultry waste RECs. The Company also complied with the modified 2018 Swine Waste Set-Aside requirement by submitting for retirement 7,366 swine waste RECs. Finally, DEP submitted for retirement 3,517,399 general requirement RECs, representing the Company's total 2018 compliance requirement, net of the set-aside requirements detailed above.

5. DEP met its total 2018 REPS obligations, except for those from which it has been relieved under the Commission's Orders issued in Docket No. E-100, Sub 113.

6. At the time of the original filing, DEP noted that current projections indicated it would not be able to acquire enough RECs to comply with its swine waste requirement for compliance year 2019, and compliance with its poultry waste requirement beyond 2019 is dependent on supplier performance on current contracts as well as new facilities expected to come on line beginning in 2019. On September 23, 2019 (after the September 9 hearing date in this REPS docket), DEP and other North Carolina electric power suppliers filed a joint motion to modify and delay the 2019 requirements of N.C.G.S. § 62-133.8(e) and (f) in response to a lack of sufficient swine and poultry waste resources.

7. DEP's REC inventory available for future use appropriately includes RECs generated from net metering customers receiving electric service under schedules other than time-of-use schedules with demand rates (NMNTD customers).

8. DEP's other incremental REPS compliance costs and its Solar Rebate Program costs are recoverable under N.C.G.S. § 62-133.8(h)(1)(a) and N.C.G.S. § 62-133.8(h)(1)(d), respectively, and should be approved for this proceeding.

9. The research activities funded by DEP during the test period are within the \$1 million annual limit established pursuant to N.C.G.S. § 62-133.8(h)(1)(b).

10. For purposes of DEP's annual rider pursuant to N.C.G.S. § 62-133.8(h), the test period for this proceeding is the twelve-month period beginning April 1, 2018 and ending March 31, 2019 (Test Period). The billing period for this proceeding is the 12-month period beginning December 1, 2019 and ending November 30, 2020 (Billing Period).

11. For purposes of establishing the REPS experience modification factor (EMF) rider in this proceeding, DEP's incremental costs for REPS compliance during the Test Period were \$37,201,361. The Company's projected incremental costs for REPS compliance for the Billing Period total \$43,246,220.

12. Pursuant to N.C.G.S. § 62-133.8(h) electric power suppliers are authorized to recover the "incremental costs" of compliance with the REPS requirement through an annual REPS rider. The "incremental costs," as defined in N.C.G.S. § 62-133.8(h)(1), include the reasonable and prudent costs of compliance with REPS "that are in excess of the electric supplier's avoided costs other than those costs recovered pursuant to N.C.G.S. § 62-133.9." The term "avoided costs" includes both avoided energy costs and avoided capacity costs.

13. Under Commission Rule R8-67(e)(2), the total costs reasonably and prudently incurred during the test period to purchase unbundled renewable energy certificates (RECs) constitute incremental costs. The projected costs to purchase such RECs during the billing period constitute forecasted incremental costs.

14. DEP appropriately calculated its avoided costs and incremental REPS compliance costs for the Test Period and Billing Period.

15. DEP's Test Period REPS expense under-collection was \$1,288,029 for the residential class. DEP's Test Period REPS expense over-collections, including interest, were \$(1,087,606) for the general service class and \$(55,585) for the industrial class. In addition, the Company credited to customers amounts received from REC suppliers during the Test Period related to contract amendments, penalties, and other conditions of the supply agreements. Contract-related receipts credited to each customer class are \$(388,096) for residential, \$(348,680) for general service, and \$(21,224) for industrial. Total net Test Period cost, including an offsetting credit amount for contract-related receipts, is \$899,933 for the residential class. Total net Test Period credits, including credits for contract-related receipts, for the general service and industrial classes are \$(1,436,286) and \$(76,809), respectively. The foregoing amounts exclude the North Carolina regulatory fee (regulatory fee).

16. DEP's North Carolina prospective Billing Period expenses for use in this proceeding are \$20,578,687, \$21,309,868, and \$1,357,665, for the residential, general service, and industrial classes, respectively, excluding the regulatory fee.

17. The appropriate monthly REPS EMF riders, excluding the regulatory fee, to be charged to / (credited to) customer accounts during the upcoming billing period are \$0.06 per month for residential accounts, \$(0.60) per month for general service accounts, and \$(3.57) per month for industrial accounts.

18. The appropriate prospective REPS riders per customer account, excluding the regulatory fee, to be collected each month during the billing period are \$1.39 for

residential accounts, \$8.84 for general service accounts, and \$63.07 for industrial accounts.

19. The combined REPS and REPS EMF rider charges per customer account, excluding the regulatory fee, to be collected each month during the Billing Period are \$1.45 for residential accounts, \$8.24 for general service accounts, and \$59.50 for industrial accounts. Including the regulatory fee, the combined monthly REPS and REPS EMF rider charges per customer account to be collected during the Billing Period are \$1.45 for residential accounts, \$8.25 for general service accounts, and \$59.58 for industrial accounts.

20. DEP's REPS incremental cost rider, including the regulatory fee, to be charged to each customer account for the twelve-month Billing Period is within the annual cost cap established for each customer class in N.C.G.S. § 62-133.8(h)(4).

EVIDENCE AND CONCLUSIONS FOR FINDINGS OF FACT NOS. 1-3

These findings of fact are essentially informational, jurisdictional, and procedural in nature and are not contested.

Section 62-133.8(b)(1) establishes a REPS requirement for all electric power suppliers in the State. The statute requires each electric public utility to provide a certain percentage of its North Carolina retail sales from various renewable energy or energy efficiency resources, including the following: (a) generating electric power at a new renewable energy facility; (b) using a renewable energy resource to generate electric power at a generating facility other than the generation of electric power from waste heat derived from the combustion of fossil fuel; (c) reducing energy consumption through the implementation of energy efficiency measures; (d) purchasing electric power from a new renewable energy facility; (e) purchasing RECs; (f) using electric power that is supplied by a new renewable energy facility or saved due to the implementation of an energy efficiency measure that exceeds the requirements of the REPS in any calendar year as a credit toward the requirements of the REPS in the following calendar year; or (g) electricity demand reduction. Each of these measures is subject to additional limitations and conditions. For 2018, DEP must meet a total REPS requirement of 10% of its previous year's North Carolina retail electric sales by a combination of these measures.

Section 62-133.8(d) requires a certain percentage of the total electric power sold to retail electric customers in the State, or an equivalent amount of energy, to be supplied by a combination of new solar electric facilities and new metered solar thermal energy facilities. The percentage requirement for solar resources in 2018 is 0.20%.

Sections 62-133.8(e) and (f) require DEP and the other electric suppliers of North Carolina, in the aggregate, to procure a certain portion of their renewable energy requirements from electricity generated from swine and poultry waste, . The swine waste energy requirement is based on a percentage of retail sales, similar to the solar energy requirement. The poultry waste energy requirement is based on each electric power

supplier's respective pro-rata share derived from the ratio of its North Carolina retail sales as compared to the total North Carolina retail sales. Pursuant to the Commission's Order on Pro-Rata Allocation of Aggregate Swine and Poultry Waste Set-Aside Requirements and Motion for Clarification, issued on March 31, 2010, in Docket No. E-100, Sub 113, DEP's share of the aggregate State set-aside requirements for energy from swine and poultry waste is based on the ratio of its North Carolina retail kilowatt-hour sales for the previous year divided by the previous year's total North Carolina retail kilowatt-hour sales. In its 2018 Delay Order, the Commission modified the 2018 Swine Waste Set-Aside requirement to be applicable to electric public utilities only, set the requirement at 0.02% of North Carolina retail sales, and delayed for one year the scheduled increases in the requirement. In addition, the 2018 Delay Order also modified the 2018 state-wide Poultry Waste Set-Aside requirement to 300,000 MWh, and delayed by one year the scheduled increases in the requirement.

EVIDENCE AND CONCLUSIONS FOR FINDINGS OF FACT NOS. 4-6

The evidence supporting these findings of fact is found in the direct testimony and exhibits of DEP witness Payne, including DEP's 2018 REPS compliance report, which was admitted into evidence as Payne Exhibit No.1, as subsequently revised, and the affidavit of Public Staff witness Lawrence. In addition, the Commission takes judicial notice of the information contained in NC-RETS.

Witness Payne testified that DEP complied with the 2018 solar set-aside requirements by submitting for retirement 73,660 RECs procured or generated from solar electric facilities and metered solar thermal energy facilities. DEP also complied with the 2018 Poultry Waste Set-Aside requirement by submitting for retirement 66,987 poultry waste RECs and 8,789 SB 886 RECs (which count as 17,578 poultry waste RECs), for a total of 84,565 poultry waste RECs. Witness Payne further testified that the Company complied with the modified 2018 Swine Waste Set-Aside requirement, applicable only to electric public utilities, by submitting for retirement 7,366 swine waste RECs. Finally, witness Payne's testimony indicated DEP submitted for retirement 3,517,399 general requirement RECs, representing the Company's 2018 total compliance requirement, net of the set-aside requirements detailed above. Accordingly, DEP met its total 2018 REPS obligation of 3,682,990 RECs, as adjusted by previous Commission orders in Docket No. E-100, Sub 113, by submitting for retirement 3,665,412 RECs including 8,789 SB 886 RECs which also counted for an additional 17,578 poultry waste RECs. (T. at pp. 17-18)

The Billing Period for this Application covers two separate compliance reporting periods with different requirements for each period. Witness Payne testified the Company estimates that it will be required to submit for retirement 3,868,727 RECs to meet its total 2019 compliance year requirements of N.C.G.S. § 62-133.8(b). Within this estimated total, the Company expects to be required to retire the following: 77,375 solar RECs, 27,082 swine waste RECs, and 197,319 poultry waste RECs to meet the requirements set out in N.C.G.S. §§ 62-133.8(d), (e), and (f) respectively. In 2020, the Company estimates that it will be required to submit for retirement 3,796,477 RECs to meet its total requirement. Within this total, the Company projects that it will be required to retire

approximately 75,930 solar RECs, 26,576 swine waste RECs, and 253,695 poultry waste RECs to meet the requirements set out in N.C.G.S. §§ 62-133.8(d), (e), and (f) respectively. (T. at p. 18)

Witness Payne testified that DEP met its Solar Set-Aside requirement for the 2018 compliance year by procuring and earning 73,660 solar RECs and that, pursuant to the NC-RETS Operating Procedures, the Company submitted these RECs for retirement by transferring them from the NC-RETS Progress Energy Electric Power Supplier Account to the Progress Energy Compliance Sub-Account. (T. at pp. 23-24)

Witness Payne testified that DEP met its 2018 Poultry Waste Set-Aside requirement of 84,565 RECs. Pursuant to NC-RETS Operating Procedures, the Company submitted for retirement 66,987 poultry RECs and 8,789 SB 886 RECs (which count as 17,578 poultry waste RECs). Accordingly, the equivalent of 84,565 RECs was submitted for retirement by transferring the RECs from the NC-RETS Progress Energy Electric Power Supplier Account to the Progress Energy Compliance Sub-Account. (T. at p. 25)

Witness Payne testified that DEP met the modified 2018 Swine Waste Set-Aside requirement of 0.02%, or 7,366 swine waste RECs. Pursuant to NC-RETS Operating Procedures, the Company submitted these RECs for retirement by transferring them from the NC-RETS Progress Energy Electric Power Supplier Account to the Progress Energy Compliance Sub-Account. (T. at p. 27)

Witness Payne further testified that the Company had complied with its General Requirement for 2018. Pursuant to NC-RETS Operating Procedures, the Company submitted for retirement 3,517,399 RECs to meet the General Requirement (DEP's total requirement, net of the Solar, Swine Waste, and Poultry Waste Set-Aside requirements). Specifically, the RECs to be used for 2018 compliance were transferred from the NC-RETS Progress Energy Electric Power Supplier account to the Progress Energy Compliance Sub-Account. (T. at pp. 18-19)

In his direct testimony, witness Payne testified that DEP expects to comply with its 2019 Poultry Waste Set-Aside requirement, but future compliance is dependent on the performance of poultry waste-to-energy developers on current contracts and new waste-to-energy projects scheduled to come on line, including one scheduled to become operational during 2019. Witness Payne cited delayed projects or lower than expected facility REC production volume, and other facilities that have undergone extended outages to perform repairs, as challenges to meeting increased compliance levels. (T at p. 25) Witness Payne also enumerated in his testimony the numerous actions undertaken by the Company to develop or procure poultry waste REC supplies, including: continuing direct negotiations and executing contracts for new in-state or out-of-state supplies; helping developers identify and overcome operational risks and modifying expected contractual output if applicable; seeking increased REC output from existing facilities by adding poultry waste feedstock or thermal REC production capability; among other efforts. (T. at p. 26)

Regarding expected compliance with near-term future Swine Waste Set-Aside requirements, witness Payne reported that existing contracts have not been able to reach contractual production levels, and new swine waste-to-energy supplier facilities are not achieving operational status in the time frames originally expected. Witness Payne noted facility siting difficulty, swine waste feedstock scarcity, and project financing and operational challenges, as factors inhibiting continuing and new swine REC procurement at levels necessary to meet future Swine Waste Set-Aside requirements. (T at pp. 27-28) The Company has continued to engage in a variety of actions to procure or develop swine waste-to-energy resources to meet its future requirements, including: negotiating and executing contracts for in-state and out-of-state supplies; working extensively with potential suppliers to overcome production risks and/or amend contracts to accommodate changing circumstances; and pursuing new biomass and biogas swine resource options; among other efforts. (T. at pp. 28-29)

Public Staff witness Lawrence recommended that the Commission approve DEP's 2018 REPS Compliance Report. (T. at p. 82) Specifically, he testified that for 2018 compliance, DEP needed to obtain a sufficient number of RECs and energy efficiency certificates (EECs) derived from eligible sources so that the total equaled 10% of the Company's 2017 North Carolina retail electricity sales. Additionally, DEP needed to pursue retirement of sufficient solar RECs to match 0.20% of 2017 retail sales, and sufficient poultry waste RECs to match its pro-rata share of the 300,000 poultry waste RECs required by N.C.G.S. § 62-133.8(f). The number of poultry waste RECs was determined by the Commission in its 2018 Delay Order. The 2018 Delay Order also modified the swine waste requirement under N.C.G.S. § 62-133.8(e) to lower the 2018 compliance requirement to 0.02% of 2017 retail sales for the investor-owned utilities only. (T. at p. 82)

No party disputed that DEP had fully complied with the applicable 2018 REPS requirements, or argued that DEP's REPS compliance report for 2018 should not be approved.

Based upon the foregoing and the entire record herein, the Commission concludes that DEP complied with the REPS requirements for 2018, as modified by the Commission in its 2018 Delay Order, and that DEP's 2018 REPS Compliance Report should be approved. The Commission further concludes that the RECs and EECs in the related NC-RETS compliance sub-account should be permanently retired.

EVIDENCE AND CONCLUSIONS FOR FINDING OF FACT NO. 7

The evidence supporting this finding of fact is found in the testimony of DEP witness Payne.

Witness Payne explained that under the current Net Metering for Renewable Energy Facilities Rider offered by DEP (Rider NM-4B), a customer receiving electric service under a schedule other than a time-of-use schedule with demand rates shall provide any RECs to DEP at no cost. He further stated the Company had complied with

the measurement, verification, and reporting requirements set out by the Commission in its June 5, 2018 Order Approving Rider and Granting Waiver Request in Docket Nos. E-2, Sub 1106 and E-7, Sub 1113, and the RECs associated with these net metering facilities are currently in DEP's REC inventory and available for use in meeting future compliance requirements. (T. at pp. 20-21) No party to this proceeding contested this testimony.

Based upon the foregoing and the entire record herein, the Commission finds that the RECs generated by the net metering facilities as described above are appropriately included in DEP's inventory of RECs available for future REPS compliance use.

EVIDENCE AND CONCLUSIONS FOR FINDINGS OF FACT NOS. 8-9

The evidence supporting these findings of fact is found in the testimony and exhibits of DEP witnesses Payne and Williams, as well as in the affidavits of Public Staff witnesses Boswell and Lawrence.

Witness Payne sponsored Confidential Payne Exhibit No. 3 as an exhibit to his testimony, wherein he identified the "Research," "Solar Rebate Program," and "Other Incremental" costs that the Company has incurred or projects to incur in association with REPS compliance. With respect to research costs, Confidential Payne Exhibit No. 3 shows that the research costs are under the \$1 million per year cap established in N.C.G.S. § 62-133.8(h)(1)(b). Consistent with the Commission's orders in prior REPS proceedings, witness Payne also provided testimony and exhibits on the results and status of various studies, the costs of which DEP is including for recovery in its incremental REPS cost for the Test Period. (T. at pp. 37-45)

Witness Payne described in his testimony "Other Incremental" costs of REPS compliance as including labor costs associated with REPS compliance activities and non-labor costs associated with administration of REPS compliance. Among the non-labor costs associated with REPS compliance are the Company's subscription to NC-RETS, and accounting and tracking tools related to RECs, reduced prescribed liquidated damages paid by sellers for failure to meet contractual milestones, and amounts received for administrative contractual amendments requested by sellers. (T. at pp. 30-31)

Witness Payne also stated that, pursuant to N.C.G.S. § 62-155(f), each public utility required to offer a solar rebate program:

[S]hall be authorized to recover all reasonable and prudent costs of incentives provided to customers and program administrative costs by amortizing the total program incentives distributed during a calendar year and administrative costs over a 20-year period, including a return component adjusted for income taxes at the utility's overall weighted average cost of capital established in its most recent general rate case, which shall be included in the costs recoverable by the public utility pursuant to G.S. 62-133.8(h).

N.C.G.S. § 62-133.8(h) provides for an electric power supplier's cost recovery and customer charges under the REPS statute; North Carolina HB 589 amended subsection (h) by adding a provision to allow for the recovery of incremental costs incurred to "provide incentives to customers, including program costs, incurred pursuant to N.C.G.S. § 62-155(f)." Therefore, DEP has included for recovery in this filing costs incurred during the Test Period, and projected to be incurred in the Billing Period, related to the implementation of the Solar Rebate Program. As detailed on Confidential Payne Exhibit No. 3, these costs include the annual amortization of incentives paid to customers and program administration costs, which includes labor, information technology, and marketing costs. (T. a pp. 32)

Research, Other Incremental, and Solar Rebate Program costs included for recovery in the REPS EMF and REPS riders in this proceeding were not contested by any party.

Based upon the foregoing and the entire record herein, the Commission finds that the research activities funded by DEP during the Test Period are renewable research and development costs recoverable under N.C.G.S. § 62-133.8(h)(1)(b) and that such research costs included in the Test Period are within the \$1 million annual limit provided in that statute. The Commission also concludes that the Company has complied with the prior Commission orders requiring filing results of such research studies and that DEP should continue to file this information with future REPS compliance reports and to provide procedures for third parties to access the results of studies that are subject to confidentiality agreements. For research projects sponsored by Electric Power Research Institute, DEP should provide the overall program number and specific project number for each project, as well as an internet address or mailing address that will enable third parties to inquire about the terms and conditions for access to any portions of the study results that are proprietary. Finally, the Commission concludes the costs identified as Other Incremental and Solar Rebate Program are recoverable in the REPS EMF and REPS riders calculated in this proceeding.

EVIDENCE AND CONCLUSIONS FOR FINDING OF FACT NO. 10

The evidence supporting this finding is procedural in nature, is found in the testimony of DEP witness Williams and the affidavits of Public Staff witnesses Boswell and Lawrence, and is not contested.

Commission Rule R8-67(e)(3) provides that the test period for REPS rider proceedings shall be the same as that used by the utility in its fuel charge adjustment proceedings, which is specified in Commission Rule R8-55(c) for DEP to be the twelve months ending March 31 of each year. Company witness Williams testified that the Test Period or EMF period used for this proceeding was the twelve months beginning on April 1, 2018 and ending March 31, 2019. (T. at p. 59) Commission Rule R8-67(e)(5) provides that "the REPS EMF rider will reflect the difference between reasonable and prudently incurred incremental costs and the revenues that were actually realized during the test period under the REPS rider then in effect." Witness Williams stated that the rider includes

the REPS EMF component to recover the difference between the compliance costs incurred and revenues realized during the Test Period. (T. at p. 61) The costs incurred during the totality of the Test Period are presented in this filing to demonstrate their reasonableness and prudence as provided in Rule R8-67(e). (T. at p. 60) Witness Williams also testified that the Billing Period for the REPS rider requested in the Company's application is the twelve months beginning on December 1, 2019 and ending on November 30, 2020. (T. at p. 59) Witness Williams stated that, in addition to an EMF component, the current proposed rider includes a component to recover the costs expected to be incurred for the Billing Period. (T. at p. 61) The test period and the billing period proposed by DEP were not challenged by any party.

Based on the foregoing, the Commission concludes that, consistent with Commission Rule R8-67(e)(3), the test period for this proceeding is the twelve months from April 1, 2018 through March 31, 2019, and the billing period for this proceeding is the twelve month period beginning December 1, 2019 and ending November 30, 2020.

EVIDENCE AND CONCLUSIONS FOR FINDINGS OF FACT NOS. 11-14

The evidence for these findings of fact is found in DEP's Application and in the testimony and exhibits of DEP witnesses Payne and Williams, as well as in the affidavits of Public Staff witnesses Boswell and Lawrence.

N.C.G.S. § 62-133.8(h)(4) requires the Commission to allow an electric power supplier to recover all of its incremental costs incurred to comply with N.C.G.S. § 62-133.8 through an annual rider. N.C.G.S. § 62-133.8(h)(1) provides that "incremental costs" means all reasonable and prudent costs incurred by an electric power supplier to comply with the REPS requirements that are in excess of the electric power supplier's avoided costs other than those costs recovered pursuant to N.C.G.S. § 62-133.9. The term "avoided costs" includes both avoided energy and avoided capacity costs. Commission Rule R8-67(e)(2) provides that the "cost of an unbundled renewable energy certificate to the extent that it is reasonable and prudently incurred is an incremental cost and has no avoided cost component."

DEP witness Williams testified regarding the calculation of DEP's various incremental costs of compliance with REPS requirements, based on detailed incurred and projected costs provided by witness Payne. (T. at pp. 60-62) Confidential Revised Williams Exhibit No. 1, page 1, identified total incremental REPS compliance costs incurred during the Test Period as \$37,201,361, and Confidential Williams Exhibit No. 1, page 2 showed estimated incremental costs for the Billing Period as \$43,246,220.

In their affidavits, witnesses Boswell and Lawrence described the Public Staff's investigation and review of the Company's filing, including its evaluation of costs submitted by DEP for recovery in the REPS rider. (T. at pp. 81, 83-84, and 90-91) Pursuant to their review, witnesses Boswell and Lawrence took no issue with incremental REPS costs presented for recovery in this proceeding, and recommended approval of the

REPS and REPS EMF components of the riders (excluding the regulatory fee) incorporating these costs, as requested by the Company. (T. at pp. 84, 91)

Witness Lawrence further commented that Confidential Payne Exhibit No. 2 serves to provide detail for actual and forecasted REPS compliance costs, by resource type and individual supplier. The exhibit typically lists a supplier multiple times if, for instance, the supplier provided both thermal and electric RECs of a particular resource type. He noted an example of purchases from one supplier of both thermal and non-thermal poultry RECs being combined on one line on the exhibit, which does not affect the costs included for recovery, but also does not allow for as efficient a review process as practicable. Witness Lawrence stated that the Public Staff recommended a requirement to separately list each REC type on the applicable compliance cost exhibit, in addition to the current breakdown of purchases by resource type and supplier within resource type.

Based upon the foregoing and the entire record herein, the Commission finds that DEP's total incremental costs incurred during the Test Period is \$37,201,361, and that DEP's estimated incremental costs for the Billing Period are \$43,246,220. The Commission also determines that the Public Staff's recommendation to provide the requested detail on its compliance cost exhibit in future DEP REPS cost recovery proceedings should be accepted.

EVIDENCE AND CONCLUSIONS FOR FINDINGS OF FACT NOS. 15-20

The evidence for these findings of fact is found in DEP's Application and in the direct testimony and exhibits of DEP witnesses Payne and Williams, as well as in the affidavits of Public Staff witnesses Boswell and Lawrence.

Revised Williams Exhibit No. 2, Page 2 shows a Test Period under-collection of \$1,288,029 for the residential class, and Test Period over-collections including interest of \$(1,087,606) for the general service class and \$(55,585) for the industrial class. Second Revised Williams Exhibit No. 4 shows additional credits for contract receipts by customer class of \$(388,096) for residential, \$(348,680) for general service, and \$(21,224) for industrial. The total EMF period under-collection net of contract-related credits for the residential class is \$899,933. The EMF period over-collections including interest and contract-related credits are \$(1,436,286) for the general service class, and \$(76,809) for the industrial class. As reflected on 2nd Revised Williams Exhibit No. 4, witness Williams calculated a monthly per-account REPS EMF charge (excluding regulatory fee) of \$0.06 for residential accounts, and monthly per-account REPS EMF credits (excluding regulatory fee) of \$(0.60) for general service accounts and \$(3.57) for industrial accounts. Also on 2nd Revised Williams Exhibit No. 4, she calculated the projected REPS costs for the Billing Period of \$20,578,687 for the residential class, \$21,309,868 for the general service class, and \$1,357,665 for the industrial class. 2nd Revised Williams Exhibit No. 4 shows that the proposed monthly prospective REPS riders per customer account, excluding the regulatory fee, to be collected during the Billing Period are \$1.39 for residential accounts, \$8.84 for general service accounts, and \$63.07 for industrial accounts. The combined monthly REPS and REPS EMF rider charges per customer

account, excluding regulatory fee, to be collected during the Billing Period are \$1.45 for residential accounts, \$8.24 for general service accounts, and \$59.50 for industrial accounts.

In his affidavit, witness Lawrence noted the Commission reduced the utility regulatory fee established in N.C.G.S. § 62-302 by its June 18, 2019 Order Decreasing Regulatory Fee Effective July 1, 2019 in Docket No. M-100, Sub 142, and recommended DEP make a supplemental filing to update Revised Williams Exhibit No. 4 to reflect the current fee. The Company filed additional supplemental testimony of witness Williams and incorporated the updated 0.13% regulatory fee in 2nd Revised Williams Exhibit No. 4. Including the regulatory fee, the combined monthly REPS and REPS EMF rider charges per customer account to be collected during the billing period are \$1.45 for residential accounts, \$8.25 for general service accounts, and \$59.58 for industrial accounts. As further illustrated on 2nd Revised Williams Exhibit No. 4, the Company's REPS incremental cost rider to be charged to each customer account for the twelve-month Billing Period is within the annual cost cap established for each customer class in N.C.G.S. § 62-133.8(h)(4).

Public Staff witness Boswell stated in her affidavit that as a result of its investigation, the Public Staff is recommending annual REPS EMF increment/(decrement) riders of \$0.73, \$(7.15), and \$(42.81), per customer account for DEP's residential, general service, and industrial customers, respectively, excluding the North Carolina regulatory fee. The corresponding monthly rider amounts are \$0.06, \$(0.60), and \$(3.57), per customer account (T. at p. 91)

Public Staff witness Lawrence recommended the Company's proposed prospective monthly REPS rider amounts per customer account, excluding regulatory fee, of \$1.39 for residential accounts, \$8.84 for general service accounts, and \$63.07 for industrial accounts be approved. Combined with the monthly EMF rider amounts recommended by witness Boswell, witness Lawrence recommended approval of the following total monthly REPS charge per customer account, excluding regulatory fee: \$1.45 for residential accounts, \$8.24 for general service accounts, and \$59.50 for industrial accounts. (T. at pp. 83-84)

Public Staff witness Lawrence stated that the Public Staff had reviewed the costs that produced the proposed, revised rates and that it took no issue with them. He recommended approval of the Company's proposed monthly charges per account for the combined REPS and EMF billing components of the REPS riders for the Billing Period, reflecting the updated regulatory fee, as shown on 2nd Revised Williams Exhibit No. 4, as follows: \$1.45 for residential accounts, \$8.25 for general service accounts, and \$59.58 for industrial accounts, all including the regulatory fee. (T. at pp. 83-84)

Based upon the foregoing and the entire record herein, the Commission finds that DEP's calculations of its REPS and REPS EMF riders are appropriate for this proceeding. The Commission further finds that these amounts are below the respective annual per-account cost caps as established in N.C.G.S. § 62-133.8(h)(4). Accordingly, the

Commission concludes that the Company's Test Period REPS costs and associated monthly REPS EMF riders, as well as the projected Billing Period REPS costs and the corresponding monthly REPS riders, as set out on 2nd Revised Williams Exhibit No. 4, should be approved.

IT IS, THEREFORE, ORDERED as follows:

1. That DEP shall establish a REPS rider as described herein, in the amounts approved herein, and that this rider shall remain in effect for a twelve-month period beginning on December 1, 2019, and expiring on November 30, 2020;

2. That DEP shall establish an EMF rider as described herein, in the amounts approved herein, and that this rider shall remain in effect for a twelve-month period beginning on December 1, 2019, and expiring on November 30, 2020;

3. That DEP shall file the appropriate rate schedules and riders with the Commission to implement the provisions of this Order as soon as practicable, but not later than ten (10) days after the date that the Commission issues orders in this docket and in Docket Nos. E-2, Sub 1204 and E-2, Sub 1207;

4. That DEP shall work with the Public Staff to prepare a joint notice to customers of the rate changes ordered by the Commission in this docket, as well as in Docket Nos. E-2, Sub 1204 and E-2, Sub 1207, and the Company shall file such notice for Commission approval as soon as practicable, but not later than ten (10) days after the Commission issues orders in all three dockets;

5. That DEP's 2018 REPS compliance report shall be, and is hereby, approved and the RECs in DEP's 2018 compliance sub-accounts in NC-RETS;

6. That DEP shall file in all future REPS rider applications the results of studies the costs of which were or are proposed to be recovered via its REPS EMF and rider and, for those studies that are subject to confidentiality agreements, information regarding whether and how parties can access the results of those studies; and

7. That DEP shall continue to file a worksheet explaining the discrete costs it includes as “other incremental costs” in all future REPS Rider proceedings. DEP shall also include detail on its primary compliance cost exhibit of its renewable energy and REC purchases by REC type (e.g., thermal. electric), in addition to the established resource type and supplier breakdown.

ISSUED BY ORDER OF THE COMMISSION.

This the 19th day of November, 2019.

NORTH CAROLINA UTILITIES COMMISSION

A handwritten signature in cursive script, appearing to read "Janice H. Fulmore".

Janice H. Fulmore, Deputy Clerk