

LAW OFFICE OF
ROBERT W. KAYLOR, P.A.
P.O. BOX 30036
RALEIGH, NORTH CAROLINA 27622
(919) 828-5250
bkaylor@rwkaylorlaw.com

June 11, 2024

VIA ELECTRONIC FILING AND HAND DELIVERY

Ms. A. Shonta Dunston
Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4300

**Re: Duke Energy Progress, LLC's Joint Agency Asset Rider Application
Docket No. E-2, Subs 1345**

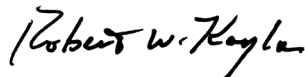
Dear Ms. Dunston:

Pursuant to N.C. Gen. Stat. § 62-133.14 and Commission Rule R8-70, I enclose the Application of Duke Energy Progress, LLC for Approval of the Joint Agency Asset Rider to Recover Costs Related to Facilities Purchased from the North Carolina Eastern Municipal Power Agency, together with the testimony and exhibits of Bryan L. Sykes, for filing in connection with the referenced matter.

To facilitate discovery in this matter, please include the email address of ncregdiscovery@duke-energy.com in connection with all communications regarding discovery. This email address should be used in addition to the email addresses of DEP attorneys and paralegals that have been identified as being involved in this matter.

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

Sincerely,



Robert W. Kaylor

Enclosures

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. E-2, SUB 1345

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of)	
Application of Duke Energy Progress, LLC)	DUKE ENERGY PROGRESS,
For Approval of Joint Agency Asset Rider for)	LLC’S APPLICATION FOR
Recovery of Costs Related to Facilities)	APPROVAL OF
Purchased from Joint Power Agency)	JOINT
Pursuant to N.C. Gen. Stat. §62-133.14)	AGENCY ASSET RIDER
and Rule R8-70)	

NOW COMES Duke Energy Progress, LLC (“DEP,” “Company” or “Applicant”), pursuant to North Carolina General Statutes (“N.C. Gen. Stat.”) § 62-133.14 and North Carolina Utilities Commission (“NCUC” or the “Commission”) Rule R8-70, and hereby makes this Application for approval of the Joint Agency Asset Rider (“JAAR”) to recover costs to acquire the ownership interests of the North Carolina Eastern Municipal Power Agency (“NCEMPA”), a joint agency established under Chapter 159B of the North Carolina General Statutes, in certain electric generating facilities, as well as the associated estimated financing and non-fuel operating costs expected to be incurred prior to December 1, 2025. In support thereof, the Applicant respectfully shows the Commission the following:

1. The Applicant’s general offices are located at 410 South Wilmington Street, Raleigh, North Carolina, and its mailing address is:

Duke Energy Progress, LLC
P. O. Box 1551
Raleigh, North Carolina 27602

2. The names and addresses of Applicant's attorneys are:

Ladawn S. Toon
Associate General Counsel
Duke Energy Progress, LLC
NCRH 20/P.O. Box 1551
Raleigh, North Carolina 27602-1551
Tel: (919) 546-2148
ladawn.toon@duke-energy.com

Robert W. Kaylor
Law Office of Robert W. Kaylor, P.A.
P.O. Box 30036
Raleigh, North Carolina 27622
Tel: (919) 828-5250
bkaylor@rwkaylorlaw.com

Copies of all pleadings, testimony, orders, and correspondence in this proceeding should be served upon the attorneys listed above.

3. On July 31, 2015, DEP acquired NCEMPA's undivided ownership interests of 18.33% in the Brunswick Steam Electric Plant (Brunswick Units 1 and 2), 12.94% in the Roxboro Steam Electric Plant (Roxboro Unit 4), 16.17% in the Mayo Electric Generating Plant (Mayo Unit 1), and 16.17% in the Shearon Harris Nuclear Power Plant (Harris Unit 1) (collectively, "Joint Units"). On May 12, 2015, the Commission issued an *Order Approving Transfer of Certificate and Ownership Interests in Generating Facilities* in Docket No. E-2, Sub 1067 and Docket No. E-48, Sub 8, which approved the transfer of NCEMPA's ownership interests in the Joint Units to DEP. On August 13, 2015, the Commission issued its *Order Transferring Certificate Of Public Convenience And Necessity* for NCEMPA's ownership interests in the Joint Units to DEP.

4. On April 2, 2015, N.C. Gen. Stat. § 62-133.14 became effective and provides for the establishment of an annual rider that allows DEP to recover the North Carolina retail portion of all reasonable and prudent costs incurred to acquire, operate, and

maintain the proportional interest in the Joint Units. N.C. Gen. Stat § 62-133.14(b) provides that in determining the amount of the rider, the Commission shall:

(1) Allow an electric public utility to recover acquisition costs, as reasonable and prudent costs. For the benefit of the consumer, the acquisition costs shall be levelized over the useful life of the assets at the time of acquisition.

(2) Include financing costs equal to the weighted average cost of capital as authorized by the Commission in the electric public utility's most recent general rate case.

(3) Include an estimate of operating costs based on prior year's experience and the costs projected for the next 12-month period for any proportional capital investments in the acquired electric generating facilities.

(4) Include adjustments to reflect the North Carolina retail portion of financing and operating costs related to the electric public utility's other used and useful generating facilities owned at the time of the acquisition to properly account for updated jurisdictional allocation factors.

(5) Include a Joint Agency Asset rolling recovery factor to reflect the under or over recovery balance. The electric public utility will maintain the under or over recovery balance and add to it the difference between costs incurred during the test period and revenues that were realized. The balance will be subject to a monthly return.

(6) Utilize the customer allocation methodology approved by the Commission in the electric public utility's most recent general rate case.

5. On November 3, 2023, the Commission issued its *Order Approving Joint Agency Asset Rider*, which established the JAAR to recover the costs expected to be incurred by DEP from December 1, 2023 through November 30, 2024, and included a Joint

Agency Asset rolling recovery factor (“RRF”) adjustment related to the under recovery of costs incurred for the test year ended December 31, 2022.

6. NCUC Rule R8-70 provides that the Commission shall schedule annual hearings pursuant to N.C. Gen. Stat. § 62-133.14 to establish an annual Joint Agency Asset Rider for the applicable electric public utility. Rule R8-70 schedules an annual adjustment hearing for DEP and requires that the Company use a test period of the calendar year that precedes the end of the test period for each electric public utility for purposes of Rule R8-55. Therefore, the test period used in this Application for these proceedings is January 1, 2023 through December 31, 2023. The rate period to be used in this Application for these proceedings is December 1, 2024 through November 30, 2025.

7. The information and data required to be filed by NCUC Rule R8-70 is contained in the direct testimony and exhibits of Bryan L. Sykes, which are being filed simultaneously with this Application and incorporated herein by reference. In compliance with Rule R8-70(e)(1)(vi), Exhibit L reports the total actual fuel savings experienced during the test period months January through December 31, 2023 of \$58million.

8. Pursuant to N.C. Gen. Stat. § 62-133.14 and Commission Rule R8-70, the Company requests Commission approval of the following JAAR rates to be effective for service on or after December 1, 2024:

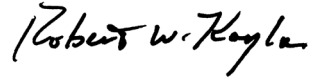
Rate Class	Applicable Schedule(s)	Incremental Rate*
Non-Demand Rate Class (dollars per kilowatt-hour)		
Residential	RES, R-TOUD, R-TOU-CPP, R-TOU, R-TOUE	0.00536
Small General Service	SGS, SGS-TOUE, SGS- TOU-CPP, SGS-TOU-CL	0.00456
Medium General Service	CH-TOUE, CSE, CSG	0.00227
Seasonal and Intermittent Service	SI	0.00814
Outdoor Lighting Service	ALS, SLS, SLR, SFLS	0.00996
Traffic Signal Service	TSS, TFS	0.00288
Demand Rate Classes (dollars per kilowatt)		
Medium General Service	MGS, GS-TES, APH-TES, MGS-TOU	1.16
Large General Service	LGS, LGS-TOU, LGS-RTP, LGS-RTP-TOU	1.77

* Incremental Rates, shown above, include North Carolina regulatory fee of 0.1475% as appropriate.

The estimated costs to be recovered in these rates will be subject to true-up in subsequent annual rider proceedings as provided for in Commission Rule R8-70. The proposed JAAR will be in effect until November 30, 2025.

WHEREFORE, Duke Energy Progress, LLC requests that the Commission issue an order approving the Joint Agency Asset Rider in the amounts as set forth in paragraph 8 above.

Respectfully submitted, this the 11th day of June, 2024.



Robert W. Kaylor
Law Office of Robert W. Kaylor, P.A.
P.O. Box 30036
Raleigh, North Carolina 27622
Tel: (919) 828-5250
bkaylor@rwkaylorlaw.com

Ladawn S. Toon
Associate General Counsel
Duke Energy Progress, LLC
NCRH 20/P.O. Box 1551
Raleigh, North Carolina 27602-1551
Tel: (919) 546-2148
ladawn.toon@duke-energy.com

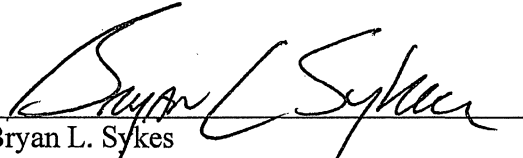
ATTORNEYS FOR DUKE ENERGY PROGRESS, LLC

VERIFICATION

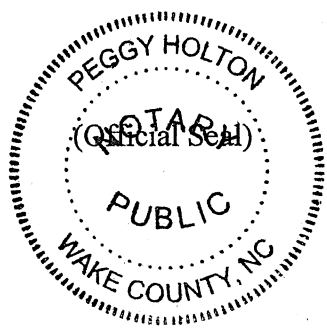
STATE OF NORTH CAROLINA)
) DOCKET NO. E-2, SUB 1345
COUNTY OF MECKLENBURG)

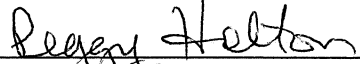
Bryan L. Sykes, being first duly sworn, deposes and says:

That he is Director - Rates and Regulatory Planning for Duke Energy Progress, LLC; that he has read the foregoing Application and knows the contents thereof; that the same is true except as to the matters stated therein on information and belief; and as to those matters, he believes them to be true.


Bryan L. Sykes

Sworn to and subscribed before me
this the 5th day of June, 2024.




Official Signature of Notary

Peggy Holton, Notary Public
Notary's printed or typed name

My commission expires: 12-22-2026

I signed this notarial certificate on 6-5-2024 according to the emergency video notarization requirements contained in G.S. 10B-25.

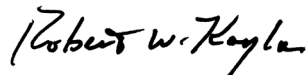
Notary Public location during video notarization: Wake County

Stated physical location of principal during video notarization: Mecklenburg County

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Joint Agency Asset Rider Application, in Docket No. E-2, Sub 1345, has been served by electronic mail, hand delivery, or by depositing a copy in the United States Mail, 1st Class Postage Prepaid, properly addressed to parties of record.

This the 11th day of June, 2024.



Robert W. Kaylor
Law Office of Robert W. Kaylor, P.A.
P.O. Box 30036
Raleigh, North Carolina 27622
Tel: 919-828-5250
bkaylor@rwkaylorlaw.com
North Carolina State Bar No. 6237

ATTORNEY FOR DUKE ENERGY
CAROLINAS, LLC

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. E-2, SUB 1345

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of)	
Application of Duke Energy Progress, LLC)	DIRECT TESTIMONY OF
For Approval of Joint Agency Asset Rider)	BRYAN L. SYKES
to Recover Costs Related to Facilities)	
Purchased from Joint Power Agency Pursuant)	
to N.C. Gen. Stat. §62-133.14 and Rule R8-70)	

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Bryan L. Sykes, and my business address is 525 South Tryon
3 Street, Charlotte, North Carolina.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am a Director of Rates and Regulatory Planning for Duke Energy
6 Carolinas, LLC (“DEC”). I have responsibility for certain rider filings for
7 both DEC and Duke Energy Progress, LLC (“DEP”), including the Fuel
8 Cost Adjustment Riders, the Clean Energy Portfolio Standard Riders
9 (“CEPS”), the Competitive Procurement of Renewable Energy Rider
10 (“CPRE”) and the Joint Agency Asset Rider (“JAAR”).

11 **Q. PLEASE SUMMARIZE YOUR EDUCATION AND**
12 **PROFESSIONAL QUALIFICATIONS.**

13 A. I received my Bachelor of Science and Master of Science Degrees in
14 Accounting from East Carolina University. I am a certified public
15 accountant licensed in the State of North Carolina. I began my career in
16 2001 with Arthur Andersen, LLP as a staff auditor. From 2001 until 2006,
17 I held various roles in public accounting firms, including Grant Thornton,
18 LLP (successor to Arthur Andersen, LLP) and subsequently
19 PricewaterhouseCoopers, LLP. In 2006, I started at Progress Energy, Inc.
20 as a financial auditor and subsequently held a variety of positions in the
21 accounting organization before and after the merger with Duke Energy
22 Corporation in 2012. I joined the Rates Department in 2019 as Manager,

1 Rates and Regulatory Filings and became Director of Rates and
2 Regulatory Planning in 2022.

3 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THIS**
4 **COMMISSION?**

5 A. Yes, I have provided testimony in DEC's Fuel and Fuel-Related Charge
6 Adjustments proceedings for 2023, 2022 and 2021 in Docket Nos. E-7,
7 Sub 1304, Sub 1263 and Sub 1250, respectively. I have also provided
8 testimony in DEC and DEP's CPRE Cost Recovery Rider proceedings in
9 Docket Nos. E-7, Sub 1231 and E-2, Sub 1254, respectively. I provided
10 testimony in DEP's JAAR proceeding in 2023 and 2022 in Docket No.
11 E-2, Sub 1324 and Sub 1295, respectively. Finally, I provided testimony
12 in the most recent general rate case proceeding for DEC in Docket No. E-
13 7, Sub 1276.

14 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

15 A. The purpose of my testimony is to provide support for proposed rate
16 updates to the JAAR approved by the Commission in Docket No. E-2,
17 Sub 1324. The proposed rate updates will address the cumulative over
18 recovery of costs that has occurred through the end of the calendar year
19 test year ended December 31, 2023, as well as estimated costs for the rate
20 period December 1, 2024 through November 30, 2025.

21 **Q. PLEASE GENERALLY DESCRIBE THE PROCESS OUTLINED**
22 **IN COMMISSION RULE R8-70 FOR THE JOINT AGENCY**
23 **ASSET RIDER.**

1 A. Commission Rule R8-70 provides for the establishment of a Joint Agency
2 Asset rider that will remain in effect, subject to annual updates, and
3 continue until the end of the useful life of the acquired generating plants.
4 The annual updates, subsequent to the initial rider, are handled much like
5 other riders through an annual proceeding during which the Company
6 makes a filing and the Commission conducts a hearing prior to rendering
7 an order regarding the Company's request. The timing of the JAAR
8 annual proceeding is aligned with the timing of DEP's fuel cost recovery
9 proceeding as established in Rule R8-55. Therefore, the annual filing is
10 made in June, a hearing is scheduled in September, and the Company will
11 request that the Commission render its order so rate changes can become
12 effective December 1. Each annual filing addresses actual costs incurred
13 during a historical test period (which will be the calendar year that
14 precedes the June filing for purposes of Rule R8-70) and any resulting
15 over or under recovery of costs that has occurred, as well as costs
16 expected to be incurred in the next rate period of December through
17 November of the following year. The Rule provides for an over or under
18 recovery component as a rolling recovery factor ("RRF"), or a "Joint
19 Agency Asset RRF." As provided in the Rule, the Company uses deferral
20 accounting and maintains a cumulative balance of costs incurred but not
21 recovered through the JAAR. This cumulative balance accrues a monthly
22 return as prescribed by the Rule. In determining the annual amount of the
23 rider, the Commission shall allow the Company to recover acquisition

1 costs as reasonable and prudent, and will also decide whether the capital
2 additions and operating costs that the Company seeks to include in its
3 rider are reasonable and prudent and should be recovered in the rider.

4 **Q. I SHOW YOU WHAT HAS BEEN MARKED AS SYKES**
5 **EXHIBITS “SUMMARY RATE” AND A THROUGH L. WOULD**
6 **YOU PLEASE TELL US WHAT THESE ARE?**

7 A. Yes. Accompanying my testimony are a rate summary exhibit and two
8 sets of supporting exhibits that are similar in nature. The set of exhibits
9 labeled A through K “E” addresses “estimated” costs expected to be
10 incurred during the future rate period December 2024 through November
11 2025. These estimated costs will be adjusted to actual costs in subsequent
12 annual rider proceedings through the Joint Agency Asset RRF. The set of
13 exhibits labeled A through K “TU” addresses the “true-up” of costs
14 incurred versus revenues realized during the calendar year 2023 test
15 period, and supports the cumulative over collection experienced through
16 the end of the test period. The over collection associated with the test
17 period corresponds to the Joint Agency Asset RRF provided for in Rule
18 R8-70(b)(1)(vi). Finally, Exhibit L shows the total test period fuel savings
19 by customer class as required under Rule R8-70(e)(1)(vi).

20 **Q. WERE THESE EXHIBITS PREPARED BY YOU OR AT YOUR**
21 **DIRECTION AND SUPERVISION?**

22 A. Yes.

1 **Q. PLEASE PROVIDE A SUMMARY DESCRIPTION OF THESE**
2 **EXHIBITS.**

3 A. The following is a high level summary of the purpose of the exhibits;
4 several of the exhibits are discussed in greater detail later in my
5 testimony:

6 Summary Rate – Summarizes the rates for which the Company is
7 requesting approval.

8 Exhibit A series – Computes proposed rates by customer rate schedule
9 for the Joint Agency Asset RRF and for the prospective rate period.

10 Exhibit B series – Summarizes the key components of revenue
11 requirements on which customer rates are based.

12 Exhibit C series – Includes schedules showing the computation of the
13 revenue requirement for the initial acquisition cost of the joint agency
14 assets, by unit, including identification of the portion of the purchase
15 price that is above book value. These schedules compute a revenue
16 requirement amount that is levelized over the remaining life of the assets,
17 in accordance with N.C. Gen. Stat. § 62-133.14.

18 Exhibit D series – Includes schedules providing computation of revenue
19 requirements for assets purchased and included as acquisition costs, but
20 which are not included in the acquisition costs to be levelized in Exhibit
21 C. These assets are not depreciated and include minor items such as
22 nuclear fuel, dry cask storage, and materials and supplies inventory.

1 Exhibit E series – Includes schedules that compute revenue requirements
2 related to capital additions completed after acquisition of the joint agency
3 assets.

4 Exhibit F series – Shows incremental operating costs that would have
5 been reimbursed by NCEMPA but for the acquisition of the joint agency
6 assets.

7 Exhibit G series – This reduction is no longer applicable in the JAAR
8 following the implementation of base rates on March 16, 2018 under
9 DEP’s general rate case proceeding under Docket No. E-2, Sub 1142. It
10 previously computed the reduction in retail revenue requirements
11 resulting from a change in jurisdictional allocation of costs of existing
12 generation facilities owned at the time of the asset acquisition in
13 accordance with N.C. Gen. Stat. § 62-133.14.

14 Exhibit H – This exhibit is no longer applicable to test or prospective
15 periods. It previously computed the monthly revenue requirement to
16 cover the costs incurred in the four-month period between the date of
17 acquisition and the implementation of the Initial Rider (August through
18 November 2015) that the Company deferred. DEP amortized these
19 deferred costs over a three-year period beginning December 1, 2015. The
20 amortization period ended November 30, 2018.

21 Exhibits I, J and K – Includes schedules showing derivation of various
22 factors used to support the calculations in the other exhibits.

1 Exhibit L – Computes total fuel savings for the test period, by customer
2 class, related to the acquisition of the joint agency generating facilities as
3 required by Rule R8-70(e)(1)(vi).

4 **Q. WHAT COST RECOVERY ELEMENTS HAS THE COMPANY**
5 **INCORPORATED INTO ITS PROPOSED NEW RATES?**

6 A. The proposed rider incorporates the cost recovery of 1) acquisition costs
7 levelized over the useful life of the assets, 2) financing costs using the
8 weighted average cost of capital approved in DEP’s most recent general
9 rate case, Docket No. E-2, Sub 1300, 3) estimated operating costs and
10 projected capital investments, and 4) customer allocation methods
11 approved in DEP’s most recent general rate case. These elements are
12 among those identified in N.C. Gen. Stat. § 62-133.14(b).

13 **Q. HOW CAN THE COSTS ALLOWABLE FOR RECOVERY BY**
14 **THE STATUTE BE FURTHER SUBDIVIDED?**

15 A. There are two broad categories of costs that the Company seeks to recover
16 through its JAAR rates. First, the Company seeks to recover its
17 acquisition costs, which are the amounts DEP paid to NCEMPA to
18 acquire the proportional ownership interest in the joint agency assets. The
19 assets purchased include net generating plant and land, construction work
20 in progress associated with the generating plants, net nuclear fuel, and
21 materials and supplies inventory. Within this first category of acquisition
22 costs there are also two subgroups: costs for which the recovery is
23 levelized and costs for which the recovery is not levelized. The recovery

1 of the net nuclear fuel costs, dry cask storage, and materials and supplies
2 inventory acquired is not levelized, while all other acquisition costs are
3 recovered as levelized revenue requirements. Later in my testimony, I
4 provide more detail about the levelized revenue requirements.

5 Second, the Company seeks to recover the cost incurred to own
6 and operate the purchased assets after the acquisition date. These costs
7 would previously have been paid by NCEMPA, but now will be
8 recovered by DEP through this rider. The items in this category include
9 the cost of capital additions and non-fuel operating costs from the closing
10 date forward. These represent incremental costs related to ownership of
11 the acquired assets and include the categories of return (i.e., financing
12 cost) and depreciation/amortization expense related to capital additions,
13 operating and maintenance cost, nuclear decommissioning expense,
14 current and deferred income taxes, property taxes, and Commission
15 regulatory fees. This group of costs does not include any costs
16 recoverable under N.C. Gen. Stat. § 62-133.2 (i.e., fuel and fuel-related
17 cost).

18 The total of all acquisition costs and non-fuel operating costs post-
19 acquisition for a given period is the revenue requirement that DEP must
20 collect from its North Carolina retail customers through this rider.

21 **Q. WHAT DO YOU MEAN BY “LEVELIZED REVENUE**
22 **REQUIREMENT”?**

1 A. In general terms, levelized requirement represents recovery of certain
2 acquisition costs for the NCEMPA assets, spread evenly over the life of
3 the assets. The revenue requirement associated with the acquisition costs
4 includes financing costs on the investment in generating facilities. The
5 financing costs, comprised of debt and equity return, decline over the life
6 of the facilities as the book value or investment, on which the financing
7 costs are computed, declines through recognition of depreciation. A
8 levelized amount represents an even amount of revenue requirement,
9 rather than an unlevel amount, computed such that the present value of
10 the even revenue requirement stream and the present value of the unlevel
11 revenue requirement stream are equal. N.C. Gen. Stat. § 62-133.14
12 requires that the acquisition costs be levelized over the useful life of the
13 assets at the time of acquisition, for the benefit of consumers. The
14 Company's calculation of financing costs also reflects the benefit of
15 accumulated deferred income taxes related to accelerated tax
16 depreciation, which represent cost-free funds associated with the
17 purchased assets that reduce the Company's financing costs.

18 The C series exhibits illustrate the calculation of the levelized
19 revenue requirements related to acquisition costs.

20 **Q. YOUR FILED EXHIBITS INCLUDE SEVERAL VERSIONS OF**
21 **THE "C EXHIBITS." PLEASE EXPLAIN THE NEED FOR**
22 **THESE EXHIBITS.**

1 A. For the true-up calculations, the Company intends to file two versions of
2 the C Exhibits each year. One set of Exhibits will support the estimated
3 levelized revenue requirement for the test period. This version of the
4 Exhibits may be revised/restated at the beginning of the year to reflect
5 changes in certain key inputs (e.g., changes that impact the after-tax cost
6 of capital). For test year 2023, there were no revisions to the estimated
7 levelized calculations (as filed on Exhibits C-1-E through C-6-E under
8 Docket No. E-2, Sub 1324) and included herein as Exhibits C-1-Estimate-
9 TU through C-6-Estimate-TU) other than minor corrections of
10 mathematical formulas. A second set of C Exhibits is included in the C-
11 TU set of work papers to compute the true-up for the difference between
12 the estimated unlevelized revenue requirements for the test period
13 compared to the actual requirements for the test period.

14 For the prospective period December 1, 2024 through November
15 30, 2025, revisions were made to the estimated levelized calculations to
16 account for the weighted average cost of capital and customer allocation
17 method changes from the Company's most recent general rate case under
18 Docket E-2, Sub 1300 and are included herein as Exhibits C-1-Estimate
19 through C-6-Estimate.

20 **Q. WHAT IS THE COMPANY'S APPROACH TO COMPUTING**
21 **TRUE-UPS TO THE LEVELIZED ACQUISITION COSTS?**

22 A. Each year, in order to determine whether a true-up is needed related to
23 the test period being presented, the Company will compare the actual

1 unlevel revenue requirement for the test period year to the original
2 unlevel revenue requirement for the test period year. If there is a
3 difference in the unlevel amounts for the test period, then the Company
4 will include the difference in its determination of the test period true-up
5 (or Joint Agency Asset RRF). For example, in this proceeding, the
6 Company has compared the actual unlevel revenue requirement for test
7 period year 2023 to the estimated unlevel revenue requirement for test
8 period 2023 to determine the test period true-up amount that is part of the
9 proposed Joint Agency Asset RRF. In its next annual proceeding in 2025,
10 the Company will compare the actual unlevel revenue requirements for
11 test period 2024 to the original unlevel revenue requirement for 2024 to
12 compute a true-up for the 2024 test period. In this manner, the Company
13 will continue to use the original level revenue requirements for initial
14 billing purposes, accompanied by a subsequent true-up based on the
15 unlevel revenue requirement for each annual test period.

16 **Q. ARE THERE ACQUISITION COSTS NOT INCLUDED IN THE**
17 **LEVELIZED REVENUE REQUIREMENT?**

18 A. Yes. As mentioned previously in my testimony, there are a few cost items
19 included in the original purchase price that are not included in the
20 levelized revenue requirement computations noted above. These items
21 include inventory amounts that are part of the asset acquisition costs,
22 including nuclear fuel inventory, dry cask storage and materials and
23 supplies inventory. Because these assets are not depreciated, the

1 financing costs for these amounts are calculated on the basis of the
2 investment balances for the test period or rate period.

3 **Q. HOW ARE ACQUISITION COSTS AND INCREMENTAL COSTS**
4 **ALLOCATED TO THE NORTH CAROLINA RETAIL**
5 **JURISDICTION?**

6 A. Costs are allocated to the North Carolina retail jurisdiction using the
7 production demand allocation factor from the Company's cost of service
8 studies filed annually with the Commission. The allocation method used
9 in this rider filing, 12-month Coincident Peak with the Modified Average
10 and Excess method to allocate within North Carolina retail rate classes,
11 is consistent with that used and authorized in DEP's most recent general
12 rate case under Docket E-2, Sub 1300. The demand allocation factor from
13 the 2023 cost of service study has been used to allocate costs to North
14 Carolina retail in this rider filing. In the case of the levelized acquisition
15 costs, the prospective C1 – C6 Estimate schedules and subsequent year
16 C1 – C6 Estimate TU schedules will continue to use this factor from the
17 2023 cost of service study until it is updated in the Company's next
18 general rate case. As stated previously, the estimate exhibits may be
19 revised/restated at the beginning of the year to reflect changes in certain
20 key inputs (e.g., changes that impact the after-tax cost of capital) and such
21 revisions were made for the prospective C1 – C6 Estimate schedules. No
22 revisions were necessary at the beginning of 2023 for the C1 – C6
23 Estimate TU schedules.

1 **Q. HOW IS THE NORTH CAROLINA RETAIL REVENUE**
2 **REQUIREMENT ALLOCATED AMONG CUSTOMER**
3 **CLASSES?**

4 A. The North Carolina retail revenue requirement is allocated among
5 customer classes, as shown on Exhibits A-E and A-TU, using the
6 production demand allocation factors from the Company's 2023 cost of
7 service study. The allocated revenue requirement for each North Carolina
8 retail customer class is then divided by estimated billing units, either
9 kilowatt hour ("kWh") or kilowatt ("kW"), to produce a billing factor per
10 unit.

11 **Q. WHAT IS THE SOURCE OF THE INFORMATION USED TO**
12 **COMPUTE THE COMPANY'S PROPOSED RATES?**

13 A. The information to compute the rider comes from three sources. The
14 acquisition costs for the generating assets purchased are based on the
15 actual amounts paid to NCEMPA to complete the purchase. For actuals
16 associated with nuclear fuel, dry cask storage, materials and supplies
17 inventory, capital additions and operations and maintenance expenses,
18 the primary source of data is DEP's internal accounting records, including
19 records from the general ledger as well as records from its asset
20 accounting sub ledger. The Company's books, records and reports are
21 subject to review and audit by regulatory agencies, as well as periodic
22 audits by independent auditors to provide assurances that, in all material
23 respects, internal accounting controls are operating effectively and the

1 Company's financial statements are accurate. The estimated costs for the
2 December 1, 2024 through November 30, 2025 rate period are based on
3 information from the Company's financial budget. In most cases the data
4 gathered is recorded and captured at a generating unit level, and then
5 multiplied by the unit ownership percentage purchased by DEP to
6 determine the incremental amounts that should be recovered through this
7 rider.

8 **Q. WHAT ARE THE IMPACTS OF DEP'S MOST RECENT RATE**
9 **CASE ON THE JAAR?**

10 A. DEP filed for a base rate case adjustment in Docket No. E-2, Sub 1300 in
11 the Fall of 2022 and new rates were effective October 1, 2023. The terms
12 of the new rates resulted in the following changes that impacted the
13 prospective revenue calculations in JAAR: 1) new debt and equity return
14 rates, 2) a change in nuclear decommissioning funding levels, 3) new
15 depreciation rates for capital assets and 4) a new cost allocation
16 methodology as previously discussed.

17 The new return rates impacted the weighted average cost of
18 capital that is used to calculate the return needed on incremental
19 investments in rate base (including assets subject to levelized recovery,
20 other assets acquired and capital additions). The new return rates were
21 reflected in the true up calculations effective October 1, 2023. In addition,
22 the changes in the weighted average cost of capital impacted the

1 calculation of the levelized annuity payments on assets subject to
2 levelization for the prospective period as stated previously.

3 In its rate case proceeding, the Company proposed a reduction in
4 nuclear decommissioning funding levels to \$0 for NC Retail recovery and
5 the Public Staff agreed to this reduction as reflected in the Agreement and
6 Stipulation of Partial Settlement between DEP and the Public Staff filed
7 April 26, 2023. Based on this partial settlement, the Company reduced
8 nuclear decommissioning costs to \$0 for NC Retail customers effective
9 June 1, 2023. As such, the amount flowing through the JAAR rider will
10 also be \$0, which was reflected in the 2023 annual filing in Docket E-2,
11 Sub 1324 and continues to be reflected as such in Exhibit F-1-E in this
12 filing

13 A new depreciation study was filed in connection with the rate
14 case. Updated composite depreciation rates based on the new study were
15 effective October 1, 2023 and applied to actual capital additions after the
16 effective date and were used to estimate depreciation expense on capital
17 additions for the prospective period. Composite depreciation rates are not
18 used for assets in service as of the date of acquisition. Use of the
19 composite rates in the levelization calculations would result in over
20 recovery of the acquisition costs as the portion of the assets acquired from
21 NCEMPA were more depreciated than the portion of the assets owned by
22 DEP. Depreciation expense for assets subject to levelization has been

1 computed such that it will recover the acquisition cost plus the latest cost
2 of removal estimate. See Exhibit C-11-E.

3
4 **Q. WHAT IS THE RESULT OF THE COMPANY'S CALCULATION**
5 **OF ACTUAL TEST PERIOD COSTS COMPARED TO**
6 **REVENUES REALIZED IN THE TEST PERIOD?**

7 A. During the test period, calendar year 2023, the Company collected
8 revenue that exceeded its revenue requirement due to higher than
9 expected usage. The revenue requirement for the test period ended
10 December 31, 2023 was \$156.7 million. Revenues collected during the
11 test year were \$181.5 million and included the collection of the Joint
12 Agency Asset RRF under collection pertaining to test year 2021 in the
13 amount of \$33.5 million. If the excess collection for this under collection
14 was excluded, revenues collected for 2023 were \$147.9 million.

15 **Q. PLEASE PROVIDE ADDITIONAL INFORMATION**
16 **REGARDING THE JOINT AGENCY ASSET RRF BALANCE**
17 **INCLUDED IN THE PROPOSED RATES.**

18 A. As of the test year ended December 31, 2023, the Company has an over-
19 recovered Joint Agency Asset RRF balance of \$546 thousand. This
20 amount is the slight over collection of revenues compared to the under
21 collection for the test year ended December 31, 2022 and the related
22 interest due from customers through the end of 2023. The testimony by
23 Witness Sykes in Docket No. E-2, Sub 1324 discussed details of the 2022

1 under collection, and rates to collect the under collected amount were
2 approved by the Commission and went into effect on December 1, 2023.
3 As agreed, DEP has reflected the appropriate true-up balances in the Joint
4 Agency Asset RRF component of this filing. This timing for the recovery
5 of under collections is consistent with the timing stipulated by
6 Commission Rule R8-70. Under this rule, results for the calendar year
7 test period are filed with the Commission in June of the subsequent year,
8 and new rates to address the cumulative Joint Agency Asset RRF become
9 effective in December.

10 **Q. HOW DO THE ESTIMATED COSTS FOR THE RATE PERIOD**
11 **DECEMBER 1, 2024 THROUGH NOVEMBER 30, 2025**
12 **COMPARE TO THE LEVEL OF ESTIMATED COSTS IN**
13 **CURRENT RATES?**

14 A. The estimated costs in this filing for the rate period December 1, 2024
15 through November 30, 2025 are higher than the costs that were estimated
16 for the prior rate period December 1, 2023 through November 30, 2024,
17 which are reflected in current rates. The increase in the estimated revenue
18 requirement is due primarily to higher capital additions and operating and
19 maintenance costs. The estimated operating expenses (depreciation) and
20 return on capital additions increased due to more assets going into service,
21 changes in composite depreciation rates and higher cost of capital.
22 Operation and maintenance expenses increased primarily due to higher
23 outage and administrative and general expenses.

1 **Q. HOW ARE FUEL-RELATED BENEFITS ASSOCIATED WITH**
2 **THE ACQUISITION OF THE JOINT AGENCY ASSETS**
3 **REFLECTED IN CUSTOMER RATES?**

4 A. The fuel-related benefits arise from the reduction in system average fuel
5 costs per kilowatt-hour that results from the addition of lower cost
6 generation to DEP's generation portfolio. The actual fuel savings
7 continue to be reflected in DEP's fuel costs and in its subsequently
8 proposed fuel rates. In compliance with Rule R8-70(e)(1)(vi), the
9 Company has included as Exhibit L a report of the actual fuel savings
10 experienced during the test period from January 1, 2023 – December 31,
11 2023. The exhibit shows a total of \$57.53 million in savings for the test
12 period.

13 **Q. WHAT IS THE NET IMPACT TO CUSTOMERS OF THE**
14 **PROPOSED CHANGE IN RATES?**

15 A. The requested rate increase represents a 0.7% decrease in rates for the
16 average residential customer. There is a 0.1% increase in rates for the
17 average commercial customer and a 0.8% increase for the average
18 industrial customer. The impact of the rate change for a residential
19 customer consuming 1,000 kWh per month is a decrease of \$1.12.

20 **Q. WHAT SPECIFIC REQUEST IS BEING MADE OF THE**
21 **COMMISSION?**

22 A. The Company requests that the Commission approve the following JAAR
23 rates, to become effective December 1, 2024. The estimated costs

- 1 recovered in these rates will be subject to true-up in subsequent annual
 2 rider proceedings.

Rate Class	Applicable Schedule(s)	Incremental Rate*
Non-Demand Rate Class (dollars per kilowatt-hour)		
Residential	RES, R-TOUD, R-TOU-CPP, R-TOU, R-TOUE	0.00536
Small General Service	SGS, SGS-TOUE, SGS-TOU-CPP, SGS-TOU-CL	0.00456
Medium General Service	CH-TOUE, CSE, CSG	0.00227
Seasonal and Intermittent Service	SI	0.00814
Outdoor Lighting Service	ALS, SLS, SLR, SFLS	0.00996
Traffic Signal Service	TSS, TFS	0.00288
Demand Rate Classes (dollars per kilowatt)		
Medium General Service	MGS, GS-TES, APH-TES, MGS-TOU	1.16
Large General Service	LGS, LGS-TOU, LGS-RTP, LGS-RTP-TOU	1.77

- 3 * Incremental Rates, shown above, include North Carolina regulatory fee of 0.1475%.

4 **Q. DOES THIS COMPLETE YOUR DIRECT TESTIMONY?**

5 **A.** Yes, it does.

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF JOINT AGENCY ASSET RIDER
FOR NEXT RATE PERIOD OF DECEMBER 2024 - NOVEMBER 2025 AND FOR TEST YEAR ENDED DECEMBER 2023
LISTING OF EXHIBITS

SUMMARY RATE	CALCULATION OF JOINT AGENCY ASSET RIDER - SUMMARY RATE
EXHIBIT A-E	CALCULATION OF JOINT AGENCY ASSET RIDER FOR DECEMBER 2024 - NOVEMBER 2025
EXHIBIT B-E	COST COMPONENTS OF JOINT AGENCY ASSET RIDER FOR DECEMBER 2024 - NOVEMBER 2025
EXHIBIT C-E	SUMMARY OF ANNUAL LEVELIZATION REVENUE TO BE INCLUDED IN THE JOINT AGENCY ASSET RIDER
EXHIBIT C-1-E	LEVELIZED COST FOR THE HARRIS NUCLEAR PLANT
EXHIBIT C-2-E	LEVELIZED COST FOR THE BRUNSWICK UNIT 1 NUCLEAR PLANT
EXHIBIT C-3-E	LEVELIZED COST FOR THE BRUNSWICK UNIT 2 NUCLEAR PLANT
EXHIBIT C-4-E	LEVELIZED COST FOR THE MAYO COAL STATION
EXHIBIT C-5-E	LEVELIZED COST FOR THE ROXBORO COAL STATION
EXHIBIT C-6-E	LEVELIZED COST FOR THE ACQUISITION ADJUSTMENT
EXHIBIT C-7-E	NET BOOK VALUE OF THE NCEMPA GENERATING ASSETS BY PLANT
EXHIBIT C-8-E	CALCULATION OF REMAINING LIFE OF ASSETS PURCHASED FOR LEVELIZATION
EXHIBIT C-9-E	MACRS TAX DEPRECIATION RATES
EXHIBIT C-10-E	COMPOSITE DEPRECIATION RATES FOR EACH NCEMPA GENERATION ASSET PURCHASED
EXHIBIT C-11-E	BOOK DEPRECIATION EXPENSE FOR EACH NCEMPA GENERATION ASSET PURCHASED STARTING IN 2018
EXHIBIT D-E	CALCULATION OF REVENUE REQUIREMENT FOR ACQUISITION COSTS EXCLUDED FROM LEVELIZATION
EXHIBIT D-1A-E	ESTIMATED NET NUCLEAR FUEL BALANCE BY GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD
EXHIBIT D-1B-E	ACCUMULATED DEFERRED INCOME TAXES ASSOCIATED WITH NUCLEAR FUEL SINCE THE DATE OF PURCHASE
EXHIBIT D-1C-E	TAX VERSUS BOOK DEPRECIATION ASSOCIATED WITH NUCLEAR FUEL ADDITIONS SINCE THE DATE OF PURCHASE
EXHIBIT D-2-E	ESTIMATED MATERIALS AND SUPPLIES BALANCE BY GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD
EXHIBIT D-3-E	DEFERRED TAX ASSET RELATED TO NCEMPA'S NUCLEAR DECOMMISSIONING FUNDS TRANSFERRED TO DEP
EXHIBIT D-4-E	NO LONGER NEEDED
EXHIBIT E-E	CALCULATION OF REVENUE REQUIREMENT RELATED TO CAPITAL ADDITIONS TO PLANT IN SERVICE SINCE THE PURCHASE DATE
EXHIBIT E-1-E	ACTUAL CAPITAL ADDITIONS SUMMARY BY GENERATING UNIT FROM DATE OF PURCHASE
EXHIBIT E-2-E	ACTUAL CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH FROM DATE OF PURCHASE THROUGH DECEMBER 31, 2023

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF JOINT AGENCY ASSET RIDER
FOR NEXT RATE PERIOD OF DECEMBER 2024 - NOVEMBER 2025 AND FOR TEST YEAR ENDED DECEMBER 2023
LISTING OF EXHIBITS

EXHIBIT E-3-E	ACTUAL DEPRECIATION EXPENSE ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH FROM DATE of PURCHASE THROUGH DECEMBER 31, 2023
EXHIBIT E-4-E	ADDITIONAL ESTIMATED DEPRECIATION EXPENSE AND AVERAGE ACCUMULATED DEPRECIATION BALANCES on ACTUAL CAPITAL ADDITIONS by GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD
EXHIBIT E-5-E	ESTIMATED ACCUMULATED DEFERRED INCOME TAXES on ACTUAL CAPITAL ADDITIONS by GENERATING UNIT THROUGH THE END OF THE RATE PERIOD
EXHIBIT E-6-E	ESTIMATED AVERAGE NET INCREMENTAL CAPITAL ADDITIONS BY GENERATING UNIT FOR THE NEXT RATE PERIOD
EXHIBIT E-7-E	ESTIMATED INCREMENTAL CAPITAL ADDITIONS BY GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD
EXHIBIT E-8-E	ESTIMATED ACCUMULATED DEPRECIATION ON CAPITAL ADDITIONS BY GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD
EXHIBIT E-9-E	DEFERRED TAXES ON ESTIMATED CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH THROUGH THE END OF THE NEXT RATE PERIOD
EXHIBIT F-E	CALCULATION OF INCREMENTAL OPERATING EXPENSES AND REDUCTION OF OTHER ELECTRIC REVENUE
EXHIBIT F-1-E	CALCULATION OF INCREMENTAL NUCLEAR DECOMMISSIONING EXPENSE FOR THE NEXT RATE PERIOD
EXHIBIT G-E	NO LONGER NEEDED
EXHIBIT G-1-E	NO LONGER NEEDED
EXHIBIT H-E	NO LONGER NEEDED
EXHIBIT I-E	PRODUCTION DEMAND ALLOCATION FACTORS INCLUDING ADJUSTMENT FOR NCEMPA ADDITIONAL SALES
EXHIBIT J-E	COST OF CAPITAL, TAX RATES AND REGULATORY FEES
EXHIBIT K-E	BILLING DETERMINANTS FOR THE TWELVE MONTH PERIOD ENDED NOVEMBER 30, 2025
EXHIBIT A-TU	CALCULATION OF JOINT AGENCY ASSET RIDER FOR TEST YEAR ENDED DECEMBER 2023
EXHIBIT A-1-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
EXHIBIT A-2-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR - RESIDENTIAL CUSTOMER CLASS
EXHIBIT A-3-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR - SMALL GENERAL SERVICE
EXHIBIT A-4-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR - MEDIUM GENERAL SERVICE - kWh BILLED
EXHIBIT A-5-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR - SEASONAL INTERMITTENT
EXHIBIT A-6-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR - TRAFFIC SIGNAL
EXHIBIT A-7-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR - OUTDOOR LIGHTING
EXHIBIT A-8-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR - MEDIUM GENERAL SERVICE - kW BILLED

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF JOINT AGENCY ASSET RIDER
FOR NEXT RATE PERIOD OF DECEMBER 2024 - NOVEMBER 2025 AND FOR TEST YEAR ENDED DECEMBER 2023
LISTING OF EXHIBITS

EXHIBIT A-9-TU	JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR - LARGE GENERAL SERVICE CUSTOMER CLASS
EXHIBIT B-TU	CALCULATION OF NC RETAIL NCEMPA RIDER REVENUE
EXHIBIT C-TU	SUMMARY OF REVENUE ASSOCIATED WITH LEVELIZED RECOVERY OF INCREMENTAL COSTS TO BE INCLUDED IN THE JOINT AGENCY PURCHASE RIDER
EXHIBIT C-1 ESTIMATE-TU	LEVELIZED COST FOR THE HARRIS NUCLEAR PLANT - ESTIMATE
EXHIBIT C-1 ACTUAL-TU	LEVELIZED COST FOR THE HARRIS NUCLEAR PLANT - ACTUAL
EXHIBIT C-2 ESTIMATE-TU	LEVELIZED COST FOR THE BRUNSWICK UNIT 1 NUCLEAR PLANT - ESTIMATE
EXHIBIT C-2 ACTUAL-TU	LEVELIZED COST FOR THE BRUNSWICK UNIT 1 NUCLEAR PLANT - ACTUAL
EXHIBIT C-3 ESTIMATE-TU	LEVELIZED COST FOR THE BRUNSWICK UNIT 2 NUCLEAR PLANT - ESTIMATE
EXHIBIT C-3 ACTUAL-TU	LEVELIZED COST FOR THE BRUNSWICK UNIT 2 NUCLEAR PLANT - ACTUAL
EXHIBIT C-4 ESTIMATE-TU	LEVELIZED COST FOR THE MAYO COAL STATION - ESTIMATE
EXHIBIT C-4 ACTUAL-TU	LEVELIZED COST FOR THE MAYO COAL STATION - ACTUAL
EXHIBIT C-5 ESTIMATE-TU	LEVELIZED COST FOR THE ROXBORO COAL STATION - ESTIMATE
EXHIBIT C-5 ACTUAL-TU	LEVELIZED COST FOR THE ROXBORO COAL STATION - ACTUAL
EXHIBIT C-6 ESTIMATE-TU	LEVELIZED COST FOR THE ACQUISITION ADJUSTMENT - ESTIMATE
EXHIBIT C-6 ACTUAL-TU	LEVELIZED COST FOR THE ACQUISITION ADJUSTMENT - ACTUAL
EXHIBIT C-7-TU	NET BOOK VALUE OF THE NCEMPA GENERATING ASSETS BY PLANT
EXHIBIT C-8-TU	CALCULATION OF REMAINING LIFE OF ASSETS PURCHASED FOR LEVELIZATION
EXHIBIT C-9-TU	MACRS TAX DEPRECIATION RATES
EXHIBIT C-10-TU	COMPOSITE DEPRECIATION RATES FOR EACH NCEMPA GENERATION ASSET PURCHASED
EXHIBIT C-11-TU	BOOK DEPRECIATION EXPENSE FOR EACH NCEMPA GENERATION ASSET PURCHASED STARTING IN 2018
EXHIBIT D-TU	CALCULATION OF REVENUE REQUIREMENT FOR ACQUISITION COSTS EXCLUDED FROM LEVELIZATION
EXHIBIT D-1A-TU	ACTUAL NET NUCLEAR FUEL BALANCE BY GENERATING UNIT
EXHIBIT D-1B-TU	ACCUMULATED DEFERRED INCOME TAXES ASSOCIATED WITH NUCLEAR FUEL SINCE THE DATE OF PURCHASE
EXHIBIT D-1C-TU	TAX VERSUS BOOK DEPRECIATION ASSOCIATED WITH NUCLEAR FUEL ADDITIONS SINCE THE DATE OF PURCHASE
EXHIBIT D-2-TU	ACTUAL MATERIALS AND SUPPLIES BALANCE BY GENERATING UNIT
EXHIBIT D-3-TU	DEFERRED TAX ASSET RELATED TO NCEMPA'S NUCLEAR DECOMMISSIONING FUNDS TRANSFERRED TO DEP
EXHIBIT D-4-TU	NO LONGER NEEDED

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF JOINT AGENCY ASSET RIDER
FOR NEXT RATE PERIOD OF DECEMBER 2024 - NOVEMBER 2025 AND FOR TEST YEAR ENDED DECEMBER 2023
LISTING OF EXHIBITS

EXHIBIT E-TU	CALCULATION OF REVENUE REQUIREMENT RELATED TO CAPITAL ADDITIONS TO PLANT IN SERVICE SINCE THE PURCHASE DATE
EXHIBIT E-1-TU	ACTUAL CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
EXHIBIT E-2-TU	ACTUAL DEPRECIATION EXPENSE AND ACCUMULATED DEPRECIATION ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
EXHIBIT E-3-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
EXHIBIT E-4-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2015 ADDITIONS
EXHIBIT E-5-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2016 ADDITIONS
EXHIBIT E-6-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2017 ADDITIONS
EXHIBIT E-7-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2018 ADDITIONS
EXHIBIT E-8-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2019 ADDITIONS
EXHIBIT E-9-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2020 ADDITIONS
EXHIBIT E-10-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2021 ADDITIONS
EXHIBIT E-11-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2022 ADDITIONS
EXHIBIT E-12-TU	DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE VINTAGE YEAR 2023 ADDITIONS
EXHIBIT F-TU	CALCULATION OF INCREMENTAL OPERATING EXPENSES AND REDUCTION OF OTHER ELECTRIC REVENUE RESULTING FROM ACQUIRING NCEMPA ASSETS
EXHIBIT F-1-TU	CALCULATION OF INCREMENTAL NUCLEAR DECOMMISSIONING EXPENSE
EXHIBIT G-TU	NO LONGER NEEDED
EXHIBIT G-1-TU	NO LONGER NEEDED
EXHIBIT H-TU	NO LONGER NEEDED
EXHIBIT I-TU	PRODUCTION DEMAND ALLOCATION FACTORS INCLUDING ADJUSTMENT FOR NCEMPA ADDITIONAL SALES
EXHIBIT J-TU	COST OF CAPITAL, TAX RATES AND REGULATORY FEES
EXHIBIT K-TU	BILLING DETERMINANTS FOR THE TWELVE MONTH PERIOD ENDING NOVEMBER 30, 2025
EXHIBIT L	FUEL SAVINGS BY CUSTOMER CLASS RELATED TO FACILITIES ACQUIRED FROM NCEMPA

**SUMMARY RATE
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF JOINT AGENCY ASSET RIDER - SUMMARY RATE
FOR DECEMBER 2024 - NOVEMBER 2025

<u>Line No.</u>	<u>Description</u>	<u>Prospective Rate (a)</u> (Col. A)	<u>Rolling Recovery Factor (b)</u> (Col. B)	<u>Combined Rate</u> (Col. C) = A + B	
Allocation of monthly revenue to customer groups:					
Customers billed based on KWH					
1	Residential	\$ 0.00494	\$ 0.00042	\$ 0.00536	per kWh
2	Small General Service	\$ 0.00517	\$ (0.00061)	\$ 0.00456	per kWh
3	Medium General Service - KWH	\$ 0.00419	\$ (0.00192)	\$ 0.00227	per kWh
4	Seasonal Intermittent	\$ 0.00994	\$ (0.00180)	\$ 0.00814	per kWh
5	Outdoor Lighting	\$ 0.00502	\$ 0.00494	\$ 0.00996	per kWh
6	Traffic Signal	\$ 0.00298	\$ (0.00010)	\$ 0.00288	per kWh
Customers billed based on KW					
7	Medium General Service - KW	\$ 1.58	\$ (0.42)	\$ 1.16	per KW
8	Large General Service	\$ 1.60	\$ 0.17	\$ 1.77	per KW

Notes:

- (a) From Exhibit A-E, Col E.
- (b) From Exhibit A-TU, Col J.

EXHIBIT A - E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF JOINT AGENCY ASSET RIDER
FOR DECEMBER 2024 - NOVEMBER 2025

Line No.	Description	Demand Allocation Factors To Customer Classes (a) (Col. A)	Annual NC Retail Amount (Thousands of Dollars) (Col. B)	Demand KW (c) (Col. C)	Energy kWh (c) (Col. D)	Prospective Rate (Col. E)
1	Total annual revenue for calculation of joint agency asset rider		<u>\$ 164,040</u> (b)			
	Allocation of monthly revenue to customer classes:					
	Customers billed based on kWh:					
2	Residential	50.4658%	\$ 82,784		16,747,513,800	\$ 0.00494 per kWh
3	Small General Service	5.5595%	\$ 9,120		1,765,157,436	\$ 0.00517 per kWh
4	Medium General Service - kWh	0.0202%	\$ 33		7,931,820	\$ 0.00419 per kWh
5	Seasonal Intermittent	0.2364%	\$ 388		39,007,523	\$ 0.00994 per kWh
6	Outdoor Lighting	1.1370%	\$ 1,865		371,469,419	\$ 0.00502 per kWh
7	Traffic Signal	0.0075%	\$ 12		4,139,433	\$ 0.00298 per kWh
8		<u>57.4264%</u>	<u>\$ 94,202</u>		<u>18,935,219,431</u>	
	Customers billed based on KW:					
9	Medium General Service - KW	26.0135%	\$ 42,673	27,061,120		\$ 1.58 per KW
10	Large General Service	16.5601%	\$ 27,165	17,026,011		\$ 1.60 per KW
11		<u>42.5736%</u>	<u>\$ 69,838</u>	<u>44,087,131</u>		
12	Total	<u>100.0000%</u>	<u>\$ 164,040</u>			

Notes:
(a) From Exhibit I-E, Column D.
(b) From Exhibit B-E, Line 7.
(c) From Exhibit K-E, Billing Determinants for the Twelve Months Ending November 30, 2025.

EXHIBIT B - E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
COST COMPONENTS OF JOINT AGENCY ASSET RIDER
CALCULATION OF NC RETAIL NCEMPA ANNUAL RIDER REVENUE
FOR DECEMBER 2024 - NOVEMBER 2025
(Thousands of Dollars)

<u>Line No.</u>	<u>Description</u>	<u>Annual NC Retail Revenue Amount (a)</u> (Col A)
1	Levelized recovery of pre-tax cost of certain acquisition costs at the purchase date	\$ 53,942 (b)
2	Incremental pre-tax cost for acquisition costs not included in the levelization of costs	\$ 8,911 (c)
3	Incremental pre-tax cost for financing and operating costs related to capital additions since the purchase date	\$ 29,741 (d)
4	Incremental pre-tax cost for operating costs on acquired assets	<u>\$ 71,205 (e)</u>
5	Total annual pre-tax deferred cost for joint agency asset rider (Sum of Line 1 to Line 4)	\$ 163,798
6	Regulatory fee (Line 5 / (1 - 0.1475%) x 0.1475%)	<u>\$ 242 (f)</u>
7	Total annual revenue for calculation of joint agency asset rider (Line 5 + Line 6)	<u><u>\$ 164,040</u></u>

Notes:

- | | | |
|-----|--|----------|
| (a) | From Exhibit I-E, Demand Allocator using NC retail 2023 cost of service study of | 62.8152% |
| (b) | From Exhibit C-E, Line 7. | |
| (c) | From Exhibit D-E, Line 10. | |
| (d) | From Exhibit E-E, Line 13. | |
| (e) | From Exhibit F-E, Line 14. | |
| (f) | From Exhibit J-E, Line 23, Regulatory fee percentage of | 0.1475% |

EXHIBIT C - E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
SUMMARY OF ANNUAL LEVELIZATION REVENUE TO BE INCLUDED IN THE JOINT AGENCY ASSET RIDER
FOR DECEMBER 2024 - NOVEMBER 2025
(Thousands of Dollars)

<u>Line No.</u>	<u>Description</u>	<u>Annual NC Retail Revenue Amount</u> (Col A)
1	Levelized Revenue related to purchase of the Harris Nuclear Unit 1	\$ 19,579 (a)
2	Levelized Revenue related to purchase of the Brunswick Nuclear Unit 1	\$ 5,751 (b)
3	Levelized Revenue related to purchase of the Brunswick Nuclear Unit 2	\$ 5,698 (c)
4	Levelized Revenue related to purchase of the Mayo Coal Unit	\$ 4,674 (d)
5	Levelized Revenue related to purchase of the Roxboro Coal Unit	\$ 548 (e)
6	Levelized Revenue related to the Acquisition Costs above net book value for the above plants	<u>\$ 17,692 (f)</u>
7	Total annual levelized revenue (Sum of Line 1 to Line 6)	<u><u>\$ 53,942</u></u>

Notes:

- (a) From Exhibit C-1-E.
- (b) From Exhibit C-2-E.
- (c) From Exhibit C-3-E.
- (d) From Exhibit C-4-E.
- (e) From Exhibit C-5-E.
- (f) From Exhibit C-6-E.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE HARRIS NUCLEAR PLANT
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMER
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

ASSUMPTIONS:	ESTIMATE	REVISIONS FOR 2021	REVISIONS FOR 2023
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 895,848 (a)		
LAND COST AT July 31, 2015	\$ 10,269 (a)		
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 500,189 (a)		
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 405,929		
RETIREMENT DATE	10/24/2046 (a)		
LEVELIZATION PERIOD IN MONTHS	375 (a)		
TAX LIFE	15 (a)		
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)	23.13% (c)
AFTER TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)	6.4555% (e)
DEPRECIATION RATE	1.5349% (a)		
FIRST YEAR BOOK DEPRECIATION RATE	0.6395%		
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)	1.8941% (e)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)	5.1940% (e)
NC RETAIL ALLOCATION FACTOR	62.8152% (b)		

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL INVESTMENT FOR THE YEAR (Col A)	MACRS RATE FOR 15 YR (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL (Col I)		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST (Col I)	EQUITY (Col J)							
Beg Balance July 31, 2015	\$ 244,678																
2015	\$ 241,130	5.000%	\$ 11,924	\$ 8,377	\$ 2,945	\$ 2,945	\$ 3,548	\$ 241,431	\$ 2,161	\$ 5,438	\$ 2,949	\$ 14,096		\$ 9,585	\$ 4,511	\$ 4,586	
2016	\$ 232,590	9.500%	\$ 22,778	\$ 14,238	\$ 4,925	\$ 7,870	\$ 8,540	\$ 231,452	\$ 4,971	\$ 12,512	\$ 6,817	\$ 32,641	\$ 18,554	\$ 22,272	\$ 10,369	\$ 15,655	
2017	\$ 223,776	8.550%	\$ 20,750	\$ 11,936	\$ 249	\$ 8,119	\$ 8,814	\$ 218,467	\$ 4,692	\$ 11,810	\$ 6,087	\$ 31,404	\$ 16,757	\$ 22,179	\$ 9,225	\$ 26,290	
2018	\$ 215,997	7.700%	\$ 18,745	\$ 10,966	\$ 2,577	\$ 10,696	\$ 7,779	\$ 210,479	\$ 4,183	\$ 10,951	\$ 3,364	\$ 26,276	\$ 16,757	\$ 20,565	\$ 5,711	\$ 33,971	
2019	\$ 208,218	6.930%	\$ 16,657	\$ 8,879	\$ 2,057	\$ 12,753	\$ 7,779	\$ 200,383	\$ 3,895	\$ 10,316	\$ 3,111	\$ 25,101	\$ 16,757	\$ 20,547	\$ 4,554	\$ 40,949	
2020	\$ 200,440	6.230%	\$ 15,179	\$ 7,400	\$ 1,712	\$ 14,465	\$ 7,779	\$ 190,720	\$ 3,708	\$ 9,818	\$ 2,954	\$ 24,259	\$ 16,757	\$ 20,547	\$ 3,712	\$ 47,517	
2021	\$ 192,653	5.900%	\$ 14,521	\$ 6,734	\$ 1,558	\$ 16,023	\$ 7,786	\$ 181,303	\$ 3,519	\$ 9,168	\$ 2,759	\$ 23,233	\$ 16,757	\$ 20,247	\$ 2,989	\$ 53,730	
2022	\$ 184,862	5.900%	\$ 14,432	\$ 6,641	\$ 1,536	\$ 17,559	\$ 7,792	\$ 171,967	\$ 3,335	\$ 8,585	\$ 2,583	\$ 22,294	\$ 16,757	\$ 20,247	\$ 2,048	\$ 59,337	
2023	\$ 177,075	5.910%	\$ 14,688	\$ 6,902	\$ 1,596	\$ 19,155	\$ 7,786	\$ 162,612	\$ 3,135	\$ 8,200	\$ 2,467	\$ 21,588	\$ 16,757	\$ 20,247	\$ 1,340	\$ 64,597	\$ 60,680
2024	\$ 169,305	5.900%	\$ 14,664	\$ 6,894	\$ 1,594	\$ 20,750	\$ 7,770	\$ 153,238	\$ 2,902	\$ 7,959	\$ 2,395	\$ 21,027	\$ 16,757	\$ 20,247		\$ 64,597	
2025	\$ 161,535	5.910%	\$ 14,688	\$ 6,918	\$ 1,600	\$ 22,350	\$ 7,770	\$ 143,870	\$ 2,725	\$ 7,473	\$ 2,248	\$ 20,216	\$ 16,757	\$ 20,216		\$ 64,597	
2026	\$ 153,765	5.900%	\$ 14,664	\$ 6,894	\$ 1,594	\$ 23,944	\$ 7,770	\$ 134,503	\$ 2,548	\$ 6,986	\$ 2,102	\$ 19,406	\$ 16,757	\$ 20,216		\$ 64,597	
2027	\$ 145,995	5.910%	\$ 14,688	\$ 6,918	\$ 1,600	\$ 25,544	\$ 7,770	\$ 125,136	\$ 2,370	\$ 6,500	\$ 1,956	\$ 18,596	\$ 16,757	\$ 20,216		\$ 64,597	
2028	\$ 138,225	5.900%	\$ 14,664	\$ 6,894	\$ 1,594	\$ 27,139	\$ 7,770	\$ 115,768	\$ 2,193	\$ 6,013	\$ 1,809	\$ 17,785	\$ 16,757	\$ 20,216		\$ 64,597	
2029	\$ 130,455	5.910%	\$ 14,688	\$ 6,918	\$ 1,600	\$ 28,739	\$ 7,770	\$ 106,401	\$ 2,015	\$ 5,526	\$ 1,663	\$ 16,975	\$ 16,757	\$ 20,216		\$ 64,597	
2030	\$ 122,685	2.950%	\$ 7,332	\$ (438)	\$ (101)	\$ 28,638	\$ 7,770	\$ 97,881	\$ 1,854	\$ 5,084	\$ 1,530	\$ 16,238	\$ 16,757	\$ 20,216		\$ 64,597	
2031	\$ 114,915	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 26,841	\$ 7,770	\$ 91,061	\$ 1,725	\$ 4,730	\$ 1,423	\$ 15,648	\$ 16,757	\$ 20,216		\$ 64,597	
2032	\$ 107,145	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 25,043	\$ 7,770	\$ 85,088	\$ 1,612	\$ 4,419	\$ 1,330	\$ 15,131	\$ 16,757	\$ 20,216		\$ 64,597	
2033	\$ 99,375	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 23,246	\$ 7,770	\$ 79,115	\$ 1,499	\$ 4,109	\$ 1,236	\$ 14,614	\$ 16,757	\$ 20,216		\$ 64,597	
2034	\$ 91,605	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 21,449	\$ 7,770	\$ 73,142	\$ 1,385	\$ 3,799	\$ 1,143	\$ 14,098	\$ 16,757	\$ 20,216		\$ 64,597	
2035	\$ 83,835	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 19,652	\$ 7,770	\$ 67,169	\$ 1,272	\$ 3,489	\$ 1,050	\$ 13,581	\$ 16,757	\$ 20,216		\$ 64,597	
2036	\$ 76,065	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 17,855	\$ 7,770	\$ 61,196	\$ 1,159	\$ 3,179	\$ 956	\$ 13,064	\$ 16,757	\$ 20,216		\$ 64,597	
2037	\$ 68,294	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 16,057	\$ 7,770	\$ 55,224	\$ 1,046	\$ 2,868	\$ 863	\$ 12,547	\$ 16,757	\$ 20,216		\$ 64,597	
2038	\$ 60,524	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 14,260	\$ 7,770	\$ 49,251	\$ 933	\$ 2,558	\$ 770	\$ 12,031	\$ 16,757	\$ 20,216		\$ 64,597	
2039	\$ 52,754	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 12,463	\$ 7,770	\$ 43,278	\$ 820	\$ 2,248	\$ 676	\$ 11,514	\$ 16,757	\$ 20,216		\$ 64,597	
2040	\$ 44,984	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 10,666	\$ 7,770	\$ 37,305	\$ 707	\$ 1,938	\$ 583	\$ 10,997	\$ 16,757	\$ 20,216		\$ 64,597	
2041	\$ 37,214	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 8,869	\$ 7,770	\$ 31,332	\$ 593	\$ 1,627	\$ 490	\$ 10,481	\$ 16,757	\$ 20,216		\$ 64,597	
2042	\$ 29,444	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 7,071	\$ 7,770	\$ 25,359	\$ 480	\$ 1,317	\$ 396	\$ 9,964	\$ 16,757	\$ 20,216		\$ 64,597	
2043	\$ 21,674	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 5,274	\$ 7,770	\$ 19,387	\$ 367	\$ 1,007	\$ 303	\$ 9,447	\$ 16,757	\$ 20,216		\$ 64,597	
2044	\$ 13,904	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 3,477	\$ 7,770	\$ 13,414	\$ 254	\$ 697	\$ 210	\$ 8,930	\$ 16,757	\$ 20,216		\$ 64,597	
2045	\$ 6,134	0.000%	\$ -	\$ (7,770)	\$ (1,797)	\$ 1,680	\$ 7,770	\$ 7,441	\$ 141	\$ 386	\$ 116	\$ 8,414	\$ 16,757	\$ 20,216		\$ 64,597	
2046	TEN MONTHS (g) \$ (211)	0.000%	\$ -	\$ (6,345)	\$ (1,468)	\$ 212	\$ 6,345	\$ 2,016	\$ 38	\$ 105	\$ 32	\$ 6,520	\$ 16,757	\$ 20,216		\$ 64,597	
TOTAL		100.000%	\$ 245,063	\$ 174		\$ 244,889		\$ 64,238	\$ 170,815	\$ 58,171	\$ 538,113	\$ 170,669					

Notes:

- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
- (b) From Exhibit I-E, Adjusted Demand Allocator using NC retail 2023 cost of service study.
- (c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
- (d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
- (e) Debt and equity return rates were updated to reflect new rates effective October 1, 2023 based on DEP's approved general rate case under Docket E-2, Sub 1300.
- (f) From Exhibit C-9-E, Column B.
- (g) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-E, Line 16.

	2023 Ending Deferral	Future Revenue Streams	
		2024 Forward	Total
Net present value	\$ 60,680	\$ 170,669	\$ 231,349
Annual payment	\$ 5,135	\$ 14,444	\$ 19,579
Monthly payment	\$ 428	\$ 1,204	\$ 1,632

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE BRUNSWICK UNIT 1 NUCLEAR PLANT
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	ESTIMATE	REVISIONS FOR 2021	REVISIONS FOR 2023
ASSUMPTIONS:			
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 273,020 (a)		
LAND COST AT July 31, 2015	\$ 1 (a)		
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 168,091 (a)		
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 104,930		
RETIREMENT DATE	9/8/2036 (a)		
LEVELIZATION PERIOD IN MONTHS	253 (a)		
TAX LIFE	15 (a)		
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)	23.13% (c)
AFTER TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)	6.4555% (e)
DEPRECIATION RATE	2.5035% (a)		
FIRST YEAR BOOK DEPRECIATION RATE	1.0431%		
WEIGHTED ANNUAL INTEREST RATE	2.1478% (a)	1.9392% (d)	1.8941% (e)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)	5.1940% (e)
NC RETAIL ALLOCATION FACTOR	62.8152% (b)		

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (f) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL INTEREST (Col I)	EQUITY (Col J)	INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
Beg Balance July 31, 2015	\$ 63,248																
2015	\$ 61,489	5.000%	\$ 3,162	\$ 1,404	\$ 494	\$ 494	\$ 1,759	\$ 62,122	\$ 556	\$ 1,399	\$ 759	\$ 4,473		\$ 3,035	\$ 1,438	\$ 1,462	
2016	\$ 57,282	9.500%	\$ 6,041	\$ 1,833	\$ 634	\$ 1,128	\$ 4,208	\$ 58,575	\$ 1,258	\$ 3,167	\$ 1,675	\$ 10,307		\$ 7,046	\$ 3,261	\$ 4,944	
2017	\$ 53,077	8.550%	\$ 5,503	\$ 1,299	\$ (62)	\$ 1,066	\$ 4,204	\$ 53,849	\$ 1,157	\$ 2,911	\$ 1,500	\$ 9,772		\$ 7,026	\$ 2,746	\$ 8,131	
2018	\$ 50,230	7.700%	\$ 4,971	\$ 2,124	\$ 499	\$ 1,565	\$ 2,847	\$ 50,338	\$ 1,001	\$ 2,619	\$ 805	\$ 7,271		\$ 6,014	\$ 1,257	\$ 9,979	
2019	\$ 47,383	6.930%	\$ 4,418	\$ 1,571	\$ 364	\$ 1,929	\$ 2,847	\$ 47,060	\$ 915	\$ 2,423	\$ 731	\$ 6,915		\$ 6,011	\$ 904	\$ 11,579	
2020	\$ 44,536	6.230%	\$ 4,025	\$ 1,178	\$ 273	\$ 2,201	\$ 2,847	\$ 43,895	\$ 853	\$ 2,260	\$ 680	\$ 6,640		\$ 6,011	\$ 629	\$ 13,001	
2021	\$ 41,687	5.900%	\$ 3,851	\$ 1,002	\$ 232	\$ 2,433	\$ 2,849	\$ 40,794	\$ 792	\$ 2,063	\$ 621	\$ 6,325		\$ 5,951	\$ 374	\$ 14,243	
2022	\$ 38,836	5.900%	\$ 3,827	\$ 977	\$ 226	\$ 2,659	\$ 2,851	\$ 37,716	\$ 731	\$ 1,883	\$ 567	\$ 6,032		\$ 5,951	\$ 80	\$ 15,251	
2023	\$ 35,985	5.910%	\$ 3,895	\$ 1,044	\$ 242	\$ 2,901	\$ 2,851	\$ 34,631	\$ 668	\$ 1,746	\$ 525	\$ 5,790		\$ 5,951	\$ (161)	\$ 16,080	\$ 15,105
2024	\$ 33,134	5.900%	\$ 3,889	\$ 1,037	\$ 240	\$ 3,141	\$ 2,851	\$ 31,539	\$ 597	\$ 1,638	\$ 493	\$ 5,580	\$ 4,924				
2025	\$ 30,283	5.910%	\$ 3,895	\$ 1,044	\$ 241	\$ 3,382	\$ 2,851	\$ 28,447	\$ 539	\$ 1,478	\$ 445	\$ 5,312	\$ 4,403				
2026	\$ 27,431	5.900%	\$ 3,889	\$ 1,037	\$ 240	\$ 3,622	\$ 2,851	\$ 25,355	\$ 480	\$ 1,317	\$ 396	\$ 5,045	\$ 3,928				
2027	\$ 24,580	5.910%	\$ 3,895	\$ 1,044	\$ 241	\$ 3,863	\$ 2,851	\$ 22,263	\$ 422	\$ 1,156	\$ 348	\$ 4,777	\$ 3,494				
2028	\$ 21,729	5.900%	\$ 3,889	\$ 1,037	\$ 240	\$ 4,103	\$ 2,851	\$ 19,171	\$ 363	\$ 996	\$ 300	\$ 4,510	\$ 3,098				
2029	\$ 18,877	5.910%	\$ 3,895	\$ 1,044	\$ 241	\$ 4,345	\$ 2,851	\$ 16,079	\$ 305	\$ 835	\$ 251	\$ 4,242	\$ 2,738				
2030	\$ 16,026	2.950%	\$ 1,944	\$ (907)	\$ (210)	\$ 4,135	\$ 2,851	\$ 13,211	\$ 250	\$ 686	\$ 206	\$ 3,994	\$ 2,422				
2031	\$ 13,175	0.000%	\$ -	\$ (2,851)	\$ (660)	\$ 3,476	\$ 2,851	\$ 10,795	\$ 204	\$ 561	\$ 169	\$ 3,785	\$ 2,156				
2032	\$ 10,323	0.000%	\$ -	\$ (2,851)	\$ (660)	\$ 2,816	\$ 2,851	\$ 8,603	\$ 163	\$ 447	\$ 134	\$ 3,596	\$ 1,923				
2033	\$ 7,472	0.000%	\$ -	\$ (2,851)	\$ (660)	\$ 2,157	\$ 2,851	\$ 6,411	\$ 121	\$ 333	\$ 100	\$ 3,406	\$ 1,712				
2034	\$ 4,621	0.000%	\$ -	\$ (2,851)	\$ (660)	\$ 1,497	\$ 2,851	\$ 4,219	\$ 80	\$ 219	\$ 66	\$ 3,216	\$ 1,518				
2035	\$ 1,769	0.000%	\$ -	\$ (2,851)	\$ (660)	\$ 838	\$ 2,851	\$ 2,027	\$ 38	\$ 105	\$ 32	\$ 3,027	\$ 1,342				
2036 NINE MONTHS (g)	\$ (196)	0.000%	\$ -	\$ (1,965)	\$ (455)	\$ 383	\$ 1,965	\$ 176	\$ 3	\$ 9	\$ 3	\$ 1,980	\$ 825				
TOTAL		100.000%	\$ 64,991	\$ 1,547			\$ 63,444		\$ 11,497	\$ 30,251	\$ 10,804	\$ 115,996	\$ 34,483				

Notes:

- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
- (b) From Exhibit I-E, Adjusted Demand Allocator using NC retail 2023 cost of service study.
- (c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
- (d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
- (e) Debt and equity return rates were updated to reflect new rates effective October 1, 2023 based on DEP's approved general rate case under Docket E-2, Sub 1300.
- (f) From Exhibit C-9-E, Column B.
- (g) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-E, Line 14.

	2023 Ending Deferral	Future Revenue Streams 2024 Forward	Total
Net present value	\$ 15,105	\$ 34,483	\$ 49,587
Annual payment	\$ 1,752	\$ 3,999	\$ 5,751
Monthly payment	\$ 146	\$ 333	\$ 479

DUKE ENERGY PROGRESS

NCEMPA GENERATION ASSET PURCHASE

LEVELIZED COST FOR THE BRUNSWICK UNIT 2 NUCLEAR PLANT

NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS

LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR

(Thousands of Dollars)

	2015	REVISIONS FOR 2021	REVISIONS FOR 2023
ASSUMPTIONS:			
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 218,790 (a)		
LAND COST AT July 31, 2015	\$ 615 (a)		
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 122,314 (a)		
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 97,091		
RETIREMENT DATE	12/27/2034 (a)		
LEVELIZATION PERIOD IN MONTHS	233 (a)		
TAX LIFE	15 (a)		
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)	23.13% (c)
AFTER TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)	6.4555% (e)
DEPRECIATION RATE	2.0153% (a)		
FIRST YEAR BOOK DEPRECIATION RATE	0.8397%		
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)	1.8941% (e)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)	5.1940% (e)
NC RETAIL ALLOCATION FACTOR	62.8152% (b)		

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (f) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST (Col I)	EQUITY (Col J)							
Beg Balance July 31, 2015	\$ 58,523																
2015	\$ 57,353	5.000%	\$ 2,908	\$ 1,737	\$ 611	\$ 611	\$ 1,170	\$ 57,632	\$ 516	\$ 1,298	\$ 704	\$ 3,688		\$ 2,650	\$ 1,038	\$ 1,056	
2016	\$ 54,573	9.500%	\$ 5,554	\$ 2,774	\$ 960	\$ 1,570	\$ 2,780	\$ 54,872	\$ 1,179	\$ 2,966	\$ 1,569	\$ 8,494		\$ 6,204	\$ 2,290	\$ 3,503	
2017	\$ 51,759	8.550%	\$ 5,060	\$ 2,245	\$ 17	\$ 1,588	\$ 2,814	\$ 51,246	\$ 1,101	\$ 2,770	\$ 1,428	\$ 8,113		\$ 6,185	\$ 1,928	\$ 5,743	
2018	\$ 48,707	7.700%	\$ 4,571	\$ 1,519	\$ 357	\$ 1,945	\$ 3,052	\$ 48,466	\$ 963	\$ 2,522	\$ 775	\$ 7,312		\$ 5,998	\$ 1,309	\$ 7,485	
2019	\$ 45,655	6.930%	\$ 4,062	\$ 1,010	\$ 234	\$ 2,179	\$ 3,052	\$ 45,119	\$ 877	\$ 2,323	\$ 700	\$ 6,952		\$ 5,998	\$ 954	\$ 8,972	
2020	\$ 42,603	6.230%	\$ 3,701	\$ 649	\$ 150	\$ 2,329	\$ 3,052	\$ 41,875	\$ 814	\$ 2,156	\$ 649	\$ 6,670		\$ 5,998	\$ 672	\$ 10,141	
2021	\$ 39,549	5.900%	\$ 3,541	\$ 487	\$ 113	\$ 2,442	\$ 3,054	\$ 38,691	\$ 751	\$ 1,957	\$ 589	\$ 6,350		\$ 5,930	\$ 421	\$ 11,137	
2022	\$ 36,495	5.900%	\$ 3,519	\$ 464	\$ 107	\$ 2,549	\$ 3,055	\$ 35,527	\$ 689	\$ 1,774	\$ 534	\$ 6,051		\$ 5,930	\$ 121	\$ 11,985	
2023	\$ 33,440	5.910%	\$ 3,582	\$ 527	\$ 122	\$ 2,671	\$ 3,055	\$ 32,357	\$ 624	\$ 1,632	\$ 491	\$ 5,801		\$ 5,930	\$ (129)	\$ 12,634	\$ 11,868
2024	\$ 30,384	5.900%	\$ 3,576	\$ 520	\$ 120	\$ 2,791	\$ 3,055	\$ 29,181	\$ 553	\$ 1,516	\$ 456	\$ 5,580	\$ 4,924				
2025	\$ 27,329	5.910%	\$ 3,582	\$ 526	\$ 122	\$ 2,913	\$ 3,055	\$ 26,005	\$ 493	\$ 1,351	\$ 406	\$ 5,305	\$ 4,397				
2026	\$ 24,274	5.900%	\$ 3,576	\$ 520	\$ 120	\$ 3,033	\$ 3,055	\$ 22,828	\$ 432	\$ 1,186	\$ 357	\$ 5,030	\$ 3,917				
2027	\$ 21,218	5.910%	\$ 3,582	\$ 526	\$ 122	\$ 3,155	\$ 3,055	\$ 19,652	\$ 372	\$ 1,021	\$ 307	\$ 4,755	\$ 3,478				
2028	\$ 18,163	5.900%	\$ 3,576	\$ 520	\$ 120	\$ 3,275	\$ 3,055	\$ 16,476	\$ 312	\$ 856	\$ 258	\$ 4,481	\$ 3,078				
2029	\$ 15,107	5.910%	\$ 3,582	\$ 526	\$ 122	\$ 3,397	\$ 3,055	\$ 13,299	\$ 252	\$ 691	\$ 208	\$ 4,206	\$ 2,714				
2030	\$ 12,052	2.950%	\$ 1,788	\$ (1,268)	\$ (293)	\$ 3,104	\$ 3,055	\$ 10,329	\$ 196	\$ 536	\$ 161	\$ 3,949	\$ 2,394				
2031	\$ 8,997	0.000%	\$ -	\$ (3,055)	\$ (707)	\$ 2,397	\$ 3,055	\$ 7,774	\$ 147	\$ 404	\$ 122	\$ 3,728	\$ 2,123				
2032	\$ 5,941	0.000%	\$ -	\$ (3,055)	\$ (707)	\$ 1,690	\$ 3,055	\$ 5,425	\$ 103	\$ 282	\$ 85	\$ 3,525	\$ 1,886				
2033	\$ 2,886	0.000%	\$ -	\$ (3,055)	\$ (707)	\$ 984	\$ 3,055	\$ 3,077	\$ 58	\$ 160	\$ 48	\$ 3,322	\$ 1,669				
2034 TWELVE MONTHS (g)	\$ (144)	0.000%	\$ -	\$ (3,030)	\$ (701)	\$ 283	\$ 3,030	\$ 738	\$ 14	\$ 38	\$ 12	\$ 3,094	\$ 1,460				
TOTAL		100.000%	\$ 59,755	\$ 1,088			\$ 58,667		\$ 10,445	\$ 27,436	\$ 9,857	\$ 106,405	\$ 32,041				

Notes:

- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
- (b) From Exhibit I-E, Adjusted Demand Allocator using NC retail 2023 cost of service study.
- (c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
- (d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
- (e) Debt and equity return rates were updated to reflect new rates effective October 1, 2023 based on DEP's approved general rate case under Docket E-2, Sub 1300.
- (f) From Exhibit C-9-E, Column B.
- (g) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-E, Line 15.

	2023 Ending Deferral	Future Revenue Streams 2024 Forward	Total
Net present value	\$ 11,868	\$ 32,041	\$ 43,909
Annual payment	\$ 1,540	\$ 4,158	\$ 5,698
Monthly payment	\$ 128	\$ 346	\$ 475

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE MAYO COAL STATION
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	REVISIONS FOR 2021	REVISIONS FOR 2023
ASSUMPTIONS:			
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 178,639 (a)		
LAND COST AT July 31, 2015	\$ 3,300 (a)		
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 100,546 (a)		
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 81,392		
RETIREMENT DATE	6/20/2035 (a)		
LEVELIZATION PERIOD IN MONTHS	239 (a)		
TAX LIFE	20 (a)		
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)	23.13% (c)
AFTER TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)	6.4555% (e)
DEPRECIATION RATE	3.0024% (a)		
FIRST YEAR BOOK DEPRECIATION RATE	1.2510%		
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)	1.8941% (e)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)	5.1940% (e)
NC RETAIL ALLOCATION FACTOR	62.8152% (b)		

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 20 YR PROPERTY (f) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL			INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE	
									INTEREST (Col I)	EQUITY (Col J)							DEFERRAL PLUS INTEREST (Col P)	DEFERRAL VALUE (Col Q)
Beg Balance July 31, 2015	\$ 49,060																	
2015	\$ 47,696	3.750%	\$ 1,765	\$ 401	\$ 141	\$ 141	\$ 1,365	\$ 48,307	\$ 432	\$ 1,088	\$ 590	\$ 3,475		\$ 2,495	\$ 980	\$ 996		
2016	\$ 44,412	7.219%	\$ 3,416	\$ 133	\$ 45	\$ 187	\$ 3,283	\$ 45,890	\$ 986	\$ 2,481	\$ 1,312	\$ 8,062		\$ 5,755	\$ 2,306	\$ 3,457		
2017	\$ 41,104	6.677%	\$ 3,198	\$ (110)	\$ (87)	\$ 100	\$ 3,308	\$ 42,592	\$ 915	\$ 2,303	\$ 1,187	\$ 7,712		\$ 5,737	\$ 1,975	\$ 5,742		
2018	\$ 38,735	6.177%	\$ 2,968	\$ 599	\$ 141	\$ 240	\$ 2,369	\$ 39,750	\$ 790	\$ 2,068	\$ 635	\$ 5,863		\$ 4,891	\$ 972	\$ 7,135		
2019	\$ 36,366	5.713%	\$ 2,710	\$ 341	\$ 79	\$ 320	\$ 2,369	\$ 37,271	\$ 725	\$ 1,919	\$ 579	\$ 5,591		\$ 4,887	\$ 704	\$ 8,339		
2020	\$ 33,997	5.285%	\$ 2,541	\$ 172	\$ 40	\$ 359	\$ 2,369	\$ 34,842	\$ 677	\$ 1,794	\$ 540	\$ 5,380		\$ 4,887	\$ 493	\$ 9,404		
2021	\$ 31,629	4.888%	\$ 2,374	\$ 7	\$ 2	\$ 361	\$ 2,368	\$ 32,453	\$ 630	\$ 1,641	\$ 494	\$ 5,133		\$ 4,835	\$ 298	\$ 10,330		
2022	\$ 29,263	4.522%	\$ 2,183	\$ (184)	\$ (42)	\$ 318	\$ 2,367	\$ 30,106	\$ 584	\$ 1,503	\$ 452	\$ 4,906		\$ 4,835	\$ 70	\$ 11,074		
2023	\$ 26,894	4.462%	\$ 2,189	\$ (180)	\$ (42)	\$ 277	\$ 2,369	\$ 27,781	\$ 536	\$ 1,401	\$ 422	\$ 4,727		\$ 4,835	\$ (109)	\$ 11,684	\$ 10,975	
2024	\$ 24,518	4.461%	\$ 2,188	\$ (187)	\$ (43)	\$ 233	\$ 2,376	\$ 25,451	\$ 482	\$ 1,322	\$ 398	\$ 4,577	\$ 4,039					
2025	\$ 22,143	4.462%	\$ 2,189	\$ (187)	\$ (43)	\$ 190	\$ 2,376	\$ 23,118	\$ 438	\$ 1,201	\$ 361	\$ 4,375	\$ 3,627					
2026	\$ 19,767	4.461%	\$ 2,188	\$ (187)	\$ (43)	\$ 147	\$ 2,376	\$ 20,786	\$ 394	\$ 1,080	\$ 325	\$ 4,174	\$ 3,250					
2027	\$ 17,391	4.462%	\$ 2,189	\$ (187)	\$ (43)	\$ 104	\$ 2,376	\$ 18,454	\$ 350	\$ 959	\$ 288	\$ 3,972	\$ 2,905					
2028	\$ 15,016	4.461%	\$ 2,188	\$ (187)	\$ (43)	\$ 60	\$ 2,376	\$ 16,122	\$ 305	\$ 837	\$ 252	\$ 3,770	\$ 2,590					
2029	\$ 12,640	4.462%	\$ 2,189	\$ (187)	\$ (43)	\$ 17	\$ 2,376	\$ 13,789	\$ 261	\$ 716	\$ 216	\$ 3,568	\$ 2,303					
2030	\$ 10,265	4.461%	\$ 2,188	\$ (187)	\$ (43)	\$ (26)	\$ 2,376	\$ 11,457	\$ 217	\$ 595	\$ 179	\$ 3,367	\$ 2,041					
2031	\$ 7,889	4.462%	\$ 2,189	\$ (187)	\$ (43)	\$ (69)	\$ 2,376	\$ 9,125	\$ 173	\$ 474	\$ 143	\$ 3,165	\$ 1,802					
2032	\$ 5,514	4.461%	\$ 2,188	\$ (187)	\$ (43)	\$ (113)	\$ 2,376	\$ 6,792	\$ 129	\$ 353	\$ 106	\$ 2,963	\$ 1,585					
2033	\$ 3,138	4.462%	\$ 2,189	\$ (187)	\$ (43)	\$ (156)	\$ 2,376	\$ 4,460	\$ 84	\$ 232	\$ 70	\$ 2,761	\$ 1,388					
2034	\$ 762	4.461%	\$ 2,188	\$ (187)	\$ (43)	\$ (199)	\$ 2,376	\$ 2,128	\$ 40	\$ 111	\$ 33	\$ 2,560	\$ 1,208					
2035 SIX MONTHS (g)	\$ (361)	2.231%	\$ 1,094	\$ (29)	\$ (7)	\$ (206)	\$ 1,124	\$ 403	\$ 8	\$ 21	\$ 6	\$ 1,159	\$ 514					
TOTAL		100.00%	\$ 48,514	\$ (907)		\$ 49,421		\$ 9,155	\$ 24,096	\$ 8,587	\$ 91,259	\$ 27,252						

Notes:

- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
- (b) From Exhibit I-E, Adjusted Demand Allocator using NC retail 2023 cost of service study.
- (c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
- (d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
- (e) Debt and equity return rates were updated to reflect new rates effective October 1, 2023 based on DEP's approved general rate case under Docket E-2, Sub 1300.
- (f) From Exhibit C-9-E, Column A.
- (g) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-E, Line 17.

	2023 Ending Deferral	Future Revenue Streams	
		2024 Forward	Total
Net present value	\$ 10,975	\$ 27,252	\$ 38,228
Annual payment	\$ 1,342	\$ 3,332	\$ 4,674
Monthly payment	\$ 112	\$ 278	\$ 390

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE ROXBORO COAL STATION
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	REVISIONS FOR 2021	REVISIONS FOR 2023
ASSUMPTIONS:			
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 72,950 (a)		
LAND COST AT July 31, 2015	\$ 1 (a)		
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 62,539 (a)		
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 10,412		
RETIREMENT DATE	6/20/2035 (a)		
LEVELIZATION PERIOD IN MONTHS	239 (a)		
TAX LIFE	20 (a)		
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)	23.13% (c)
AFTER TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)	6.4555% (e)
DEPRECIATION RATE	1.8678% (a)		
FIRST YEAR BOOK DEPRECIATION RATE	0.7783%		
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)	1.8941% (e)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)	5.1940% (e)
NC RETAIL ALLOCATION FACTOR	62.8152% (b)		

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 20 YR PROPERTY (f) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL INTEREST EQUITY (Col I) (Col J)		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O) (L - O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST	EQUITY							
Beg Balance July 31, 2015	\$ 6,276																
2015	\$ 6,079	3.750%	\$ 235	\$ 38	\$ 13	\$ 13	\$ 197	\$ 6,171	\$ 55	\$ 139	\$ 75	\$ 467		\$ 395	\$ 72	\$ 73	
2016	\$ 5,604	7.219%	\$ 455	\$ (19)	\$ (7)	\$ 7	\$ 475	\$ 5,831	\$ 125	\$ 315	\$ 167	\$ 1,082		\$ 908	\$ 174	\$ 258	
2017	\$ 5,122	6.677%	\$ 426	\$ (55)	\$ (15)	\$ (8)	\$ 482	\$ 5,366	\$ 115	\$ 290	\$ 149	\$ 1,036		\$ 899	\$ 137	\$ 418	
2018	\$ 4,786	6.177%	\$ 396	\$ 59	\$ 14	\$ 5	\$ 336	\$ 4,956	\$ 99	\$ 258	\$ 79	\$ 772		\$ 622	\$ 150	\$ 602	
2019	\$ 4,450	5.713%	\$ 361	\$ 25	\$ 6	\$ 11	\$ 336	\$ 4,610	\$ 90	\$ 237	\$ 72	\$ 735		\$ 621	\$ 113	\$ 760	
2020	\$ 4,114	5.285%	\$ 339	\$ 3	\$ 1	\$ 12	\$ 336	\$ 4,270	\$ 83	\$ 220	\$ 66	\$ 705		\$ 621	\$ 84	\$ 897	
2021	\$ 3,804	4.888%	\$ 317	\$ 7	\$ 2	\$ 14	\$ 309	\$ 3,946	\$ 77	\$ 200	\$ 60	\$ 646		\$ 564	\$ 82	\$ 1,041	
2022	\$ 3,514	4.522%	\$ 291	\$ 1	\$ 0	\$ 14	\$ 290	\$ 3,646	\$ 71	\$ 182	\$ 55	\$ 598		\$ 564	\$ 34	\$ 1,144	
2023	\$ 3,222	4.462%	\$ 292	\$ (1)	\$ (0)	\$ 14	\$ 292	\$ 3,354	\$ 65	\$ 169	\$ 51	\$ 577		\$ 564	\$ 14	\$ 1,233	\$ 1,158
2024	\$ 2,923	4.461%	\$ 292	\$ (7)	\$ (2)	\$ 12	\$ 299	\$ 3,060	\$ 58	\$ 159	\$ 48	\$ 563	\$ 497				
2025	\$ 2,624	4.462%	\$ 292	\$ (7)	\$ (2)	\$ 10	\$ 299	\$ 2,762	\$ 52	\$ 143	\$ 43	\$ 538	\$ 446				
2026	\$ 2,325	4.461%	\$ 292	\$ (7)	\$ (2)	\$ 9	\$ 299	\$ 2,465	\$ 47	\$ 128	\$ 39	\$ 512	\$ 399				
2027	\$ 2,027	4.462%	\$ 292	\$ (7)	\$ (2)	\$ 7	\$ 299	\$ 2,168	\$ 41	\$ 113	\$ 34	\$ 486	\$ 356				
2028	\$ 1,728	4.461%	\$ 292	\$ (7)	\$ (2)	\$ 6	\$ 299	\$ 1,871	\$ 35	\$ 97	\$ 29	\$ 461	\$ 316				
2029	\$ 1,429	4.462%	\$ 292	\$ (7)	\$ (2)	\$ 4	\$ 299	\$ 1,574	\$ 30	\$ 82	\$ 25	\$ 435	\$ 281				
2030	\$ 1,131	4.461%	\$ 292	\$ (7)	\$ (2)	\$ 2	\$ 299	\$ 1,277	\$ 24	\$ 66	\$ 20	\$ 409	\$ 248				
2031	\$ 832	4.462%	\$ 292	\$ (7)	\$ (2)	\$ 1	\$ 299	\$ 980	\$ 19	\$ 51	\$ 15	\$ 384	\$ 218				
2032	\$ 533	4.461%	\$ 292	\$ (7)	\$ (2)	\$ (1)	\$ 299	\$ 683	\$ 13	\$ 35	\$ 11	\$ 358	\$ 191				
2033	\$ 234	4.462%	\$ 292	\$ (7)	\$ (2)	\$ (3)	\$ 299	\$ 385	\$ 7	\$ 20	\$ 6	\$ 332	\$ 167				
2034	\$ (64)	4.461%	\$ 292	\$ (7)	\$ (2)	\$ (4)	\$ 299	\$ 88	\$ 2	\$ 5	\$ 1	\$ 306	\$ 145				
2035 SIX MONTHS (g)	\$ (206)	2.231%	\$ 146	\$ 5	\$ 1	\$ (3)	\$ 141	\$ (131)	\$ (2)	\$ (7)	\$ (2)	\$ 130	\$ 58				
TOTAL		100.000%	\$ 6,468	\$ (14)		\$ 6,482		\$ 1,104	\$ 2,902	\$ 1,043	\$ 11,531	\$ 3,321					

Notes:

- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
- (b) From Exhibit I-E, Adjusted Demand Allocator using NC retail 2023 cost of service study.
- (c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
- (d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
- (e) Debt and equity return rates were updated to reflect new rates effective October 1, 2023 based on DEP's approved general rate case under Docket E-2, Sub 1300.
- (f) From Exhibit C-9-E, Column A.
- (g) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-E, Line 18.

	2023 Ending Deferral	Future Revenue Streams 2024 Forward	Total
Net present value	\$ 1,158	\$ 3,321	\$ 4,479
Annual payment	\$ 142	\$ 406	\$ 548
Monthly payment	\$ 12	\$ 34	\$ 46

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE ACQUISITION ADJUSTMENT
TOTAL COMPANY AMOUNTS (NC RETAIL ALLOCATION FACTORS TO BE APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS)
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	REVISIONS FOR 2021	REVISIONS FOR 2023
ASSUMPTIONS:			
ACQUISITION COSTS	\$ 349,802 (a)		
LAST MONTH OF AMORTIZATION	12/31/2042 (a)		
LEVELIZATION PERIOD IN MONTHS	329 (a)		
TAX LIFE	15 (a)		
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)	23.13% (c)
AFTER TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)	6.4555% (e)
AMORTIZATION RATE	3.6474% (a)		
FIRST YEAR AMORTIZATION RATE	1.5198%		
WEIGHTED INTEREST RATE	2.1479% (a)	1.9392% (d)	1.8941% (e)
WEIGHTED NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)	5.1940% (e)
NC RETAIL ALLOCATION FACTOR	62.8152% (b)		

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (f) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK AMORTIZATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL INTEREST (Col I)	EQUITY (Col J)	INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O) (L - N)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
Beg Balance July 31, 2015	\$ 210,847																
2015	\$ 207,643	5.000%	\$ 10,542	\$ 7,338	\$ 2,580	\$ 2,580	\$ 3,204	\$ 207,955	\$ 1,861	\$ 4,684	\$ 2,540	\$ 12,290	\$ 8,500	\$ 3,790	\$ 3,853		
2016	\$ 199,911	9.500%	\$ 20,138	\$ 12,406	\$ 4,291	\$ 6,871	\$ 7,732	\$ 199,051	\$ 4,275	\$ 10,761	\$ 5,690	\$ 28,458	\$ 19,824	\$ 8,634	\$ 13,072		
2017	\$ 192,085	8.550%	\$ 18,345	\$ 10,519	\$ 240	\$ 7,112	\$ 7,826	\$ 187,477	\$ 4,027	\$ 10,135	\$ 5,223	\$ 27,211	\$ 19,746	\$ 7,465	\$ 21,709		
2018	\$ 184,235	7.700%	\$ 16,572	\$ 8,722	\$ 2,050	\$ 9,162	\$ 7,850	\$ 180,023	\$ 3,578	\$ 9,366	\$ 2,877	\$ 23,672	\$ 18,219	\$ 5,452	\$ 28,815		
2019	\$ 176,484	6.930%	\$ 14,727	\$ 6,976	\$ 1,616	\$ 10,778	\$ 7,751	\$ 170,390	\$ 3,312	\$ 8,772	\$ 2,645	\$ 22,480	\$ 18,201	\$ 4,279	\$ 35,165		
2020	\$ 168,627	6.230%	\$ 13,419	\$ 5,563	\$ 1,287	\$ 12,065	\$ 7,857	\$ 161,134	\$ 3,132	\$ 8,295	\$ 2,496	\$ 21,780	\$ 18,201	\$ 3,579	\$ 41,211		
2021	\$ 160,691	5.900%	\$ 12,839	\$ 4,902	\$ 1,134	\$ 13,198	\$ 7,936	\$ 152,028	\$ 2,951	\$ 7,688	\$ 2,313	\$ 20,889	\$ 18,310	\$ 2,579	\$ 46,586		
2022	\$ 152,803	5.900%	\$ 12,760	\$ 4,872	\$ 1,127	\$ 14,325	\$ 7,888	\$ 142,985	\$ 2,773	\$ 7,138	\$ 2,148	\$ 19,946	\$ 18,310	\$ 1,634	\$ 51,301		
2023	\$ 144,788	5.910%	\$ 12,986	\$ 4,972	\$ 1,150	\$ 15,475	\$ 8,014	\$ 133,895	\$ 2,582	\$ 6,750	\$ 2,031	\$ 19,377	\$ 18,310.1	\$ 1,065	\$ 55,754	\$ 52,373	
2024	\$ 136,774	5.900%	\$ 12,964	\$ 4,950	\$ 1,145	\$ 16,620	\$ 8,014	\$ 124,734	\$ 2,363	\$ 6,479	\$ 1,949	\$ 18,805	\$ 16,594				
2025	\$ 128,760	5.910%	\$ 12,986	\$ 4,972	\$ 1,150	\$ 17,770	\$ 8,014	\$ 115,572	\$ 2,189	\$ 6,003	\$ 1,806	\$ 18,013	\$ 14,930				
2026	\$ 120,745	5.900%	\$ 12,964	\$ 4,950	\$ 1,145	\$ 18,915	\$ 8,014	\$ 106,410	\$ 2,016	\$ 5,527	\$ 1,663	\$ 17,220	\$ 13,408				
2027	\$ 112,731	5.910%	\$ 12,986	\$ 4,972	\$ 1,150	\$ 20,065	\$ 8,014	\$ 97,248	\$ 1,842	\$ 5,051	\$ 1,520	\$ 16,427	\$ 12,015				
2028	\$ 104,716	5.900%	\$ 12,964	\$ 4,950	\$ 1,145	\$ 21,209	\$ 8,014	\$ 88,086	\$ 1,668	\$ 4,575	\$ 1,377	\$ 15,635	\$ 10,742				
2029	\$ 96,702	5.910%	\$ 12,986	\$ 4,972	\$ 1,150	\$ 22,359	\$ 8,014	\$ 78,925	\$ 1,495	\$ 4,099	\$ 1,233	\$ 14,842	\$ 9,579				
2030	\$ 88,687	2.950%	\$ 6,482	\$ (1,532)	\$ (354)	\$ 22,005	\$ 8,014	\$ 70,512	\$ 1,336	\$ 3,662	\$ 1,102	\$ 14,114	\$ 8,557				
2031	\$ 80,673	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 20,151	\$ 8,014	\$ 63,602	\$ 1,205	\$ 3,303	\$ 994	\$ 13,517	\$ 7,698				
2032	\$ 72,659	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 18,297	\$ 8,014	\$ 57,441	\$ 1,088	\$ 2,983	\$ 898	\$ 12,984	\$ 6,946				
2033	\$ 64,644	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 16,444	\$ 8,014	\$ 51,281	\$ 971	\$ 2,664	\$ 801	\$ 12,451	\$ 6,257				
2034	\$ 56,630	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 14,590	\$ 8,014	\$ 45,120	\$ 855	\$ 2,344	\$ 705	\$ 11,918	\$ 5,626				
2035	\$ 48,615	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 12,736	\$ 8,014	\$ 38,959	\$ 738	\$ 2,024	\$ 609	\$ 11,385	\$ 5,048				
2036	\$ 40,601	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 10,883	\$ 8,014	\$ 32,799	\$ 621	\$ 1,704	\$ 513	\$ 10,852	\$ 4,520				
2037	\$ 32,586	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 9,029	\$ 8,014	\$ 26,638	\$ 505	\$ 1,384	\$ 416	\$ 10,319	\$ 4,037				
2038	\$ 24,572	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 7,175	\$ 8,014	\$ 20,477	\$ 388	\$ 1,064	\$ 320	\$ 9,786	\$ 3,597				
2039	\$ 16,558	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 5,321	\$ 8,014	\$ 14,317	\$ 271	\$ 744	\$ 224	\$ 9,253	\$ 3,195				
2040	\$ 8,543	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 3,468	\$ 8,014	\$ 8,156	\$ 154	\$ 424	\$ 127	\$ 8,720	\$ 2,828				
2041	\$ 529	0.000%	\$ -	\$ (8,014)	\$ (1,854)	\$ 1,614	\$ 8,014	\$ 1,995	\$ 38	\$ 104	\$ 31	\$ 8,187	\$ 2,494				
2042	\$ -	0.000%	\$ -	\$ (529)	\$ (122)	\$ 1,492	\$ 529	\$ (1,288)	\$ (24)	\$ (67)	\$ (20)	\$ 417	\$ 119				
		100.000%	\$ 216,660	\$ 5,813			\$ 210,847		\$ 48,210	\$ 127,657	\$ 44,234	\$ 430,948	\$ 138,189				

Notes:
(a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
(b) From Exhibit I-E, Adjusted Demand Allocator using NC retail 2023 cost of service study.
(c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
(d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
(e) Debt and equity return rates were updated to reflect new rates effective October 1, 2023 based on DEP's approved general rate case under Docket E-2, Sub 1300.
(f) From Exhibit C-9-TU, Column B.

	2023 Ending Deferral	Future Revenue Streams 2024 Forward	Total
Net present value	\$ 52,373	\$ 138,189	\$ 190,562
Annual payment	\$ 4,862	\$ 12,829	\$ 17,692
Monthly payment	\$ 405	\$ 1,069	\$ 1,474

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
NET BOOK VALUE OF THE NCEMPA GENERATING ASSETS BY PLANT
(Thousands of Dollars)

Line No.	Plant	Calculation of Net Book Value as of:	
		7/31/2015 (Col A)	
<u>Gross plant excluding Nuclear Fuel and land</u>			
1	Roxboro Unit 4 (including Roxboro Common)	\$	72,950
2	Mayo Plant	\$	178,639
3	Brunswick Unit 1	\$	273,020
4	Brunswick Unit 2 (including Brunswick Common)	\$	218,790
5	Harris Plant	\$	895,848
6	Total NCEMPA gross book value of generation assets purchased	\$	<u>1,639,247</u>
<u>Land recorded in plant in service</u>			
7	Roxboro Unit 4 (including Roxboro Common)	\$	1
8	Mayo Plant	\$	3,300
9	Brunswick Unit 1	\$	1
10	Brunswick Unit 2 (including Brunswick Common)	\$	615
11	Harris Plant	\$	10,269
12	Total NCEMPA book value of land purchased	\$	<u>14,185</u>
<u>Net Nuclear Fuel</u>			
13	Brunswick Unit 1	\$	16,582
14	Brunswick Unit 2 (including Brunswick Common)	\$	24,823
15	Harris Plant	\$	8,642
16	Net Nuclear Fuel in the Reactor	\$	50,047
17	Nuclear Fuel CWIP	\$	33,378
18	Total NCEMPA net book value of Nuclear Fuel	\$	<u>83,425</u>
<u>Accumulated Depreciation</u>			
19	Roxboro Unit 4 (including Roxboro Common)	\$	(62,539)
20	Mayo Plant	\$	(100,546)
21	Brunswick Unit 1	\$	(168,091)
22	Brunswick Unit 2 (including Brunswick Common)	\$	(122,314)
23	Harris Plant	\$	(500,188)
24	Total NCEMPA book value of accumulated depreciation on assets purchased	\$	<u>(953,678)</u>
<u>CWIP Balance including 2015 expenditures</u>			
25	Roxboro Unit 4 (including Roxboro Common)	\$	3,018
26	Mayo Plant	\$	(598)
27	Brunswick Unit 1	\$	18,789
28	Brunswick Unit 2 (including Brunswick Common)	\$	13,784
29	Harris Plant	\$	26,787
30	Total NCEMPA book value of CWIP assets acquired	\$	<u>61,780</u>
<u>Net Book Value including net Nuclear Fuel and CWIP</u>			
31	Roxboro Unit 4 (including Roxboro Common)	\$	13,430
32	Mayo Plant	\$	80,795
33	Brunswick Unit 1	\$	140,300
34	Brunswick Unit 2 (including Brunswick Common)	\$	135,698
35	Harris Plant	\$	441,358
36	Nuclear Fuel CWIP	\$	33,378
37	Total NCEMPA book value of purchased assets	\$	844,959
38	Materials and Supplies Inventory	\$	<u>55,815</u>
39	Total NCEMPA book value of purchased assets	\$	900,773
40	Purchase cost to be recorded as Acquisition Adjustment	\$	349,802
41	Total Purchase Price of Assets Acquired (see Note)	\$	<u>1,250,575</u>
Note:			
42	Total purchase price of assets acquired excluding 2015 construction expenditures	\$	1,200,000
43	Total 2015 construction expenditures included in NCEMPA's book value at July 31, 2015	\$	50,575
44	Total purchase price of assets acquired	\$	<u>1,250,575</u>
45	NCEMPA's nuclear decommissioning trust funds transferred to DEP's trust funds	\$	261,077
46	NCEMPA's internal nuclear decommissioning funds transferred to DEP's trust funds	\$	26,000
47	Total	\$	<u>287,077</u>

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF REMAINING LIFE OF ASSETS PURCHASED FOR LEVELIZATION

<u>Line No.</u>	<u>Plant</u>	<u>Retirement Date</u> (Col A)	Calculation of Remaining Life (in months) (Col B)	Calculation of Remaining Life (in months) <u>12/31/2017</u> (Col C)	Calculation of Remaining Life (in months) <u>5/31/2021</u> (Col D)	Calculation of Remaining Life (in months) <u>9/30/2023</u> (Col E)
1	Closing Date of Purchase		7/31/2015			
	<u>Generating Plant Description:</u>					
2	Roxboro Unit 4 (including Roxboro Common)	6/20/2035 (a)	238.67	209.67 (a)	168.67	140.67
3	Mayo Plant	6/20/2035	238.67	209.67	168.67	140.67
4	Brunswick Unit 1	9/8/2036	253.27	224.27	183.27	155.27
5	Brunswick Unit 2	12/27/2034	232.90	203.90	162.90	134.90
6	Harris Plant	10/24/2046	374.80	345.80	304.80	276.80

Notes:

- (a) The retirement date for Roxboro was updated to 6/30/2033 in Docket E-2, Sub 1176 based on the revised retirement date in DEP's general rate case proceeding under Docket E-2, Sub 1142. The retirement date should not have been changed as the levelization recovery period is based on the useful lives at the time of the acquisition per the statute and NCUC rules.

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
MACRS TAX DEPRECIATION RATES
FOR 20 YEAR, 15 YEAR AND 5 YEAR ASSETS

Year from Asset Acquisition	Year	MACRS Annual Rate - 20 Year	MACRS Annual Rate - 15 Year	MACRS Annual Rate - 5 Year
		Applicable to: Mayo and Roxboro (Col A)	Applicable to: Brunswick Nuclear, Harris Nuclear & Acquisition Adjustment (Col B)	Applicable to: Nuclear Fuel (Col C)
1	2015	3.750%	5.000%	20.000%
2	2016	7.219%	9.500%	32.000%
3	2017	6.677%	8.550%	19.200%
4	2018	6.177%	7.700%	11.520%
5	2019	5.713%	6.930%	11.520%
6	2020	5.285%	6.230%	5.760%
7	2021	4.888%	5.900%	
8	2022	4.522%	5.900%	
9	2023	4.462%	5.910%	
10	2024	4.461%	5.900%	
11	2025	4.462%	5.910%	
12	2026	4.461%	5.900%	
13	2027	4.462%	5.910%	
14	2028	4.461%	5.900%	
15	2029	4.462%	5.910%	
16	2030	4.461%	2.950%	
17	2031	4.462%		
18	2032	4.461%		
19	2033	4.462%		
20	2034	4.461%		
21	2035	2.231%		
Total		100.00%	100.00%	100.00%

EXHIBIT C-10-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
COMPOSITE DEPRECIATION RATES FOR EACH NCEMPA GENERATION ASSET PURCHASED

<u>Line No.</u>	Estimated Annual <u>Life Rate (a)</u> (Col A)	Estimated Annual <u>COR Rate (a)</u> (Col B)	Estimated Annual <u>Total Rate</u> (Col C)
1 Brunswick 1 (including Common)	2.0877%	0.1142%	2.2019%
2 Brunswick 2	1.8902%	0.1048%	1.9950%
3 Harris	1.6563%	0.0375%	1.6938%
4 Mayo	6.7028%	0.3220%	7.0248%
5 Roxboro 4 (excluding Common)	7.6396%	0.3843%	8.0239%
6 Roxboro Common	8.9761%	0.5137%	9.4898%
7 Roxboro combined (including Common)	8.3030%	0.4486%	8.7516%

Notes:

- (a) Depreciation rates were revised in connection with DEP's general rate case under Docket E-2, Sub 1300. Updated composite rates were determined based on the underlying rates as approved by the Commission with an effective date of October 1, 2023.

**EXHIBIT C-11-E
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
BOOK DEPRECIATION EXPENSE FOR EACH NCEMPA GENERATION ASSET PURCHASED
STARTING IN 2018
(Thousands of Dollars)

Based on rate approved in Docket E-2, Sub 1142. Depreciation rates applicable through May 2021:

Line No.		Gross Depreciable Plant at Acquisition (a) (Col A)	Cost of Removal Percentage (b) (Col B)	Gross Estimated Cost of Removal Cost (Col C) = A x B	NC Retail Share of Cost of Removal (Col D) = C x Line 1	NC Retail End of Period Investment Balance at 12/31/2017 (c) (Col E)	Total Costs Subject to Recovery (Col F) = D + E	Remaining Asset Life (in months) (d) (Col G)	Book Depreciation Expense (Col H) = F / G * 12 months
1	NC Retail Allocation Factor		61.33723% (e)						
2	Brunswick 1 (including common)	\$ 273,020	0.0777%	\$ 212	\$ 130	\$ 53,077	\$ 53,207	224.27	\$ 2,847
3	Brunswick 2	\$ 218,790	0.0729%	\$ 159	\$ 98	\$ 51,759	\$ 51,857	203.90	\$ 3,052
4	Harris	\$ 895,848	0.0697%	\$ 624	\$ 383	\$ 223,776	\$ 224,159	345.80	\$ 7,779
5	Mayo	\$ 178,639	0.2632%	\$ 470	\$ 288	\$ 41,104	\$ 41,393	209.67	\$ 2,369
6	Roxboro combined (including common)	\$ 72,950	0.1800%	\$ 131	\$ 81	\$ 5,122	\$ 5,203	185.67	\$ 336

Based on rate approved in Docket E-2, Sub 1219. Depreciation rates applicable starting June 2021:

Line No.		Gross Depreciable Plant at Acquisition (a) (Col A)	Cost of Removal Percentage (f) (Col B)	Gross Estimated Cost of Removal Cost (Col C) = A x B	NC Retail Share of Cost of Removal (Col D) = C x Line 1	NC Retail End of Period Investment Balance at 5/30/2021 (g) (Col E)	Total Costs Subject to Recovery (Col F) = D + E	Remaining Asset Life (in months) (h) (Col G)	Book Depreciation Expense (Col H) = F / G * 12 months
7	NC Retail Allocation Factor		61.55749% (i)						
8	Brunswick 1 (including common)	\$ 273,020	0.1130%	\$ 308	\$ 190	\$ 43,350	\$ 43,540	183.27	\$ 2,851
9	Brunswick 2	\$ 218,790	0.1017%	\$ 222	\$ 137	\$ 41,331	\$ 41,468	162.90	\$ 3,055
10	Harris	\$ 895,848	0.1288%	\$ 1,154	\$ 711	\$ 197,198	\$ 197,909	304.80	\$ 7,792
11	Mayo	\$ 178,639	0.2343%	\$ 419	\$ 258	\$ 33,010	\$ 33,268	168.67	\$ 2,367
12	Roxboro combined (including common)	\$ 72,950	0.2353%	\$ 172	\$ 106	\$ 3,974	\$ 4,079	168.67	\$ 290

Based on rate approved in Docket E-2, Sub 1300. Depreciation rates applicable starting October 2023:

Line No.		Gross Depreciable Plant at Acquisition (a) (Col A)	Cost of Removal Percentage (j) (Col B)	Gross Estimated Cost of Removal Cost (Col C) = A x B	NC Retail Share of Cost of Removal (Col D) = C x Line 1	NC Retail End of Period Investment Balance at 9/30/2023 (k) (Col E)	Total Costs Subject to Recovery (Col F) = D + E	Remaining Asset Life (in months) (l) (Col G)	Book Depreciation Expense (Col H) = F / G * 12 months
13	NC Retail Allocation Factor		62.8152% (m)						
14	Brunswick 1 (including common)	\$ 273,020	0.1142%	\$ 312	\$ 196	\$ 36,698	\$ 36,894	155.27	\$ 2,851
15	Brunswick 2	\$ 218,790	0.1048%	\$ 229	\$ 144	\$ 34,204	\$ 34,348	134.90	\$ 3,055
16	Harris	\$ 895,848	0.0375%	\$ 336	\$ 211	\$ 179,018	\$ 179,229	276.80	\$ 7,770
17	Mayo	\$ 178,639	0.3220%	\$ 575	\$ 361	\$ 27,486	\$ 27,848	140.67	\$ 2,376
18	Roxboro combined (including common)	\$ 72,950	0.4486%	\$ 327	\$ 206	\$ 3,296	\$ 3,502	140.67	\$ 299

Notes:

- (a) From Exhibit C-7-E: Plant Costs, Line 1 - 5.
- (b) From Exhibit C-10-E: Composite Depreciation Rates, Column B as filed under Docket E-2, Sub 1253.
- (c) From Exhibit C-1-E to C-6-E, Column A, NC Retail End of Period Investment Balance as of 2017.
- (d) From Exhibit C-8-E: Calculation of Remaining Life, Column C.
- (e) From Exhibit I-E: Demand Allocator to NC Retail from 2017 cost of service study as adjusted for NCEMPA Purchase.
- (f) From Exhibit C-10-E: Composite Depreciation Rates, Column B.
- (g) From Exhibit C-1-E to C-6-E, Column A, NC Retail End of Period Investment Balance as of 2020 less five months depreciation at rates depicted on Lines 2-6 above.
- (h) From Exhibit C-8-E: Calculation of Remaining Life, Column D.
- (i) From Exhibit I-E: Demand Allocator to NC Retail from 2020 cost of service study as adjusted for NCEMPA Purchase.
- (j) From Exhibit C-10-E: Composite Depreciation Rates, Column B as filed under Docket E-2, Sub 1300.
- (k) From Exhibit C-1-E to C-6-E, Column A, NC Retail End of Period Investment Balance as of 2022 less nine months depreciation at rates depicted on Lines 8-12 above.
- (l) From Exhibit C-8-E: Calculation of Remaining Life, Column E.
- (m) From Exhibit I-E, Demand Allocator to NC Retail from 2023 cost of service study as adjusted for NCEMPA Purchase.

EXHIBIT D-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF REVENUE REQUIREMENT FOR ACQUISITION COSTS EXCLUDED FROM LEVELIZATION
EXCLUDING CWIP
FOR DECEMBER 2024 - NOVEMBER 2025
(Thousands of Dollars)

<u>Line</u> <u>No.</u>		<u>Amount</u> (Col A)
1	Average Net Nuclear Fuel Inventory excluding CWIP	\$ 50,976 (a)
2	Average Deferred Tax Asset (Liability) Associated with Nuclear Fuel	\$ 4,812 (b)
3	Average Materials and Supplies Inventory	\$ 62,000 (c)
4	Average Dry Cask Storage	\$ - (d)
5	Total average system investment for the rate period (Line 1 + Line 2 + Line 3 + Line 4)	<u>\$ 117,787</u>
6	Allocated to NC retail (Line 5 x 62.8152%)	\$ 73,988 (e)
7	Rate base pre-tax annual cost of capital	8.6541% (f)
8	Total annual NC retail revenues required for financing costs on above investments (Line 6 x Line 7)	<u>\$ 6,403</u>
9	NC retail pre-tax return on deferred tax assets related to NCEMPA's nuclear decommissioning funds	\$ 2,508 (g)
10	Total annual NC retail revenues required for financing costs (Line 8 + Line 9)	<u><u>\$ 8,911</u></u>

Notes:

- (a) From Exhibit D-1A-E: Net Nuclear Fuel, Line 14, Column D.
- (b) From Exhibit D-1B-E: Accumulated Deferred Income Taxes Associated with Nuclear Fuel, Line 25, Column H.
- (c) From Exhibit D-2-E: Materials &Supplies, Line 14, Column E.
- (d) Settlement from U.S. Department of Energy for nuclear storage cost was received in 2022 and applied to Dry Cask Storage. The settlement fully recovered Dry Cask Storage amounts on the general ledger.
- (e) From Exhibit I-E: Demand Allocator to NC retail from 2023 cost of service study of: 62.81523%
- (f) From Exhibit J-E: Cost of Capital, Line 13, Column F.
- (g) From Exhibit D-3-E: Deferred tax asset, Column K.

Jun 11 2024

OFFICIAL COPY

**EXHIBIT D-1A-E
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
 NCEMPA GENERATION ASSET PURCHASE
 ESTIMATED NET NUCLEAR FUEL BALANCE BY GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD
 (EXCLUDES NUCLEAR FUEL CWIP BALANCES)
 (Thousands of Dollars)

<u>Line No.</u>		<u>Brunswick 1</u> (Col A)	<u>Brunswick 2</u> (Col B)	<u>Harris</u> (Col C)	<u>Total</u> (Col D)
Next Rate Period: December 2024 - November 2025					
1	2024 November	\$ 21,590	\$ 12,699	\$ 14,374	\$ 48,663
2	2024 December	\$ 20,809	\$ 11,940	\$ 13,650	\$ 46,399
3	2025 January	\$ 20,032	\$ 11,166	\$ 12,930	\$ 44,129
4	2025 February	\$ 19,318	\$ 10,502	\$ 12,286	\$ 42,106
5	2025 March	\$ 18,524	\$ 28,717	\$ 11,584	\$ 58,825
6	2025 April	\$ 17,787	\$ 28,007	\$ 10,926	\$ 56,721
7	2025 May	\$ 17,019	\$ 27,200	\$ 10,250	\$ 54,469
8	2025 June	\$ 16,301	\$ 26,436	\$ 9,604	\$ 52,341
9	2025 July	\$ 15,555	\$ 25,656	\$ 8,923	\$ 50,133
10	2025 August	\$ 14,777	\$ 24,864	\$ 8,259	\$ 47,900
11	2025 September	\$ 14,034	\$ 24,113	\$ 7,601	\$ 45,748
12	2025 October	\$ 13,271	\$ 23,312	\$ 22,159	\$ 58,742
13	2025 November	\$ 12,520	\$ 22,534	\$ 21,454	\$ 56,507
14	Average Balance for Next Rate Period	\$ 17,041	\$ 21,319	\$ 12,615	\$ 50,976

**EXHIBIT D-1B-E
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
ACCUMULATED DEFERRED INCOME TAXES ASSOCIATED WITH NUCLEAR FUEL SINCE THE DATE OF PURCHASE
(Thousands of Dollars)

Line No.	ADIT Expense Associated with Nuclear Fuel				ADIT Asset (Liability) Balance Associated with Nuclear Fuel				
	Brunswick 1 (a) (Col A)	Brunswick 2 (b) (Col B)	Harris (c) (Col C)	Total (d) (Col D)	Brunswick 1 (Col E)	Brunswick 2 (Col F)	Harris (Col G)	Total (Col H)	
Current Rate Period: January 2024 - November 2024					Accumulated Deferred Tax Asset (Liability) as of December 31, 2023				
					\$ 978	\$ 961	\$ 2,133	\$ 4,072	
1	2024 January	\$ (29)	\$ (36)	\$ (41)	\$ (106)	\$ 1,007	\$ 997	\$ 2,174	\$ 4,178
2	2024 February	\$ (17)	\$ (17)	\$ (31)	\$ (65)	\$ 1,024	\$ 1,013	\$ 2,205	\$ 4,243
3	2024 March	\$ 157	\$ (28)	\$ (30)	\$ 99	\$ 867	\$ 1,041	\$ 2,235	\$ 4,144
4	2024 April	\$ 3	\$ (28)	\$ 102	\$ 76	\$ 864	\$ 1,069	\$ 2,133	\$ 4,067
5	2024 May	\$ (16)	\$ (29)	\$ (49)	\$ (94)	\$ 880	\$ 1,099	\$ 2,182	\$ 4,161
6	2024 June	\$ (10)	\$ (21)	\$ (42)	\$ (73)	\$ 891	\$ 1,119	\$ 2,224	\$ 4,235
7	2024 July	\$ (14)	\$ (28)	\$ (46)	\$ (88)	\$ 905	\$ 1,147	\$ 2,271	\$ 4,323
8	2024 August	\$ (14)	\$ (27)	\$ (48)	\$ (90)	\$ 919	\$ 1,175	\$ 2,319	\$ 4,412
9	2024 September	\$ (13)	\$ (25)	\$ (39)	\$ (77)	\$ 932	\$ 1,199	\$ 2,358	\$ 4,489
10	2024 October	\$ (18)	\$ (28)	\$ (47)	\$ (92)	\$ 949	\$ 1,227	\$ 2,405	\$ 4,581
11	2024 November	\$ (14)	\$ (28)	\$ (49)	\$ (91)	\$ 963	\$ 1,256	\$ 2,454	\$ 4,673
Next Rate Period: December 2024 - November 2025									
12	2024 December	\$ (18)	\$ (28)	\$ (60)	\$ (107)	\$ 981	\$ 1,284	\$ 2,514	\$ 4,779
13	2025 January	\$ (25)	\$ (26)	\$ (6)	\$ (57)	\$ 1,006	\$ 1,310	\$ 2,520	\$ 4,836
14	2025 February	\$ (11)	\$ (0)	\$ 11	\$ 1	\$ 1,017	\$ 1,310	\$ 2,509	\$ 4,835
15	2025 March	\$ (29)	\$ 153	\$ (2)	\$ 122	\$ 1,046	\$ 1,156	\$ 2,511	\$ 4,713
16	2025 April	\$ (16)	\$ (11)	\$ 8	\$ (18)	\$ 1,062	\$ 1,167	\$ 2,502	\$ 4,731
17	2025 May	\$ (23)	\$ (33)	\$ 4	\$ (53)	\$ 1,085	\$ 1,200	\$ 2,499	\$ 4,784
18	2025 June	\$ (12)	\$ (23)	\$ 11	\$ (24)	\$ 1,096	\$ 1,224	\$ 2,488	\$ 4,808
19	2025 July	\$ (18)	\$ (27)	\$ 3	\$ (42)	\$ 1,114	\$ 1,251	\$ 2,485	\$ 4,850
20	2025 August	\$ (25)	\$ (30)	\$ 7	\$ (48)	\$ 1,140	\$ 1,281	\$ 2,478	\$ 4,898
21	2025 September	\$ (17)	\$ (20)	\$ 8	\$ (30)	\$ 1,157	\$ 1,301	\$ 2,470	\$ 4,928
22	2025 October	\$ (22)	\$ (32)	\$ 147	\$ 93	\$ 1,179	\$ 1,333	\$ 2,323	\$ 4,835
23	2025 November	\$ (19)	\$ (27)	\$ (3)	\$ (49)	\$ 1,198	\$ 1,359	\$ 2,326	\$ 4,883
24	Estimated Accumulated Deferred Tax Asset / (Liability) as of November 30, 2025				\$ 1,198	\$ 1,359	\$ 2,326	\$ 4,883	
25	Average balance for Next Rate Period				\$ 1,080	\$ 1,264	\$ 2,467	\$ 4,812	

- Notes:
- (a) Calculated as Column A from Exhibit D-1C-E times the composite tax rate (e).
 - (b) Calculated as Column B from Exhibit D-1C-E times the composite tax rate (e).
 - (c) Calculated as Column C from Exhibit D-1C-E times the composite tax rate (e).
 - (d) Calculated as Column D from Exhibit D-1C-E times the composite tax rate (e).
 - (e) Composite tax rate from Exhibit J-E, Line 11, Column K 23.13%

**EXHIBIT D-1C-E
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
TAX VERSUS BOOK DEPRECIATION ASSOCIATED WITH NUCLEAR FUEL ADDITIONS SINCE THE DATE OF PURCHASE
(Thousands of Dollars)

Line No.	TAX DEPRECIATION EXPENSE MINUS BOOK AMORTIZATION				TAX BASIS DEPRECIATION EXPENSE ON NUCLEAR FUEL				BOOK AMORTIZATION EXPENSE ON NUCLEAR FUEL					
	Brunswick 1	Brunswick 2	Harris	Total	Brunswick 1	Brunswick 2	Harris	Total	Brunswick 1	Brunswick 2	Harris	Total		
	(Col A) = E - I	(Col B) = F - J	(Col C) = G - K	(Col D) = H - L	(Col E)	(Col F)	(Col G)	(Col H)	(Col I)	(Col J)	(Col K)	(Col L)		
Current Rate Period: January 2024 - November 2024														
1	2024	January	\$ (125)	\$ (155)	\$ (177)	\$ (457)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 827	\$ 791	\$ 642	\$ 2,261
3	2024	February	\$ (74)	\$ (72)	\$ (135)	\$ (281)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 776	\$ 708	\$ 600	\$ 2,084
4	2024	March	\$ 678	\$ (121)	\$ (129)	\$ 429	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 24	\$ 757	\$ 594	\$ 1,375
5	2024	April	\$ 12	\$ (121)	\$ 440	\$ 330	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 690	\$ 758	\$ 26	\$ 1,474
6	2024	May	\$ (69)	\$ (127)	\$ (211)	\$ (406)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 771	\$ 763	\$ 676	\$ 2,210
7	2024	June	\$ (45)	\$ (89)	\$ (183)	\$ (317)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 747	\$ 726	\$ 648	\$ 2,121
8	2024	July	\$ (60)	\$ (121)	\$ (199)	\$ (380)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 762	\$ 758	\$ 664	\$ 2,184
9	2024	August	\$ (61)	\$ (117)	\$ (209)	\$ (387)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 763	\$ 754	\$ 674	\$ 2,191
10	2024	September	\$ (55)	\$ (108)	\$ (170)	\$ (333)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 757	\$ 744	\$ 635	\$ 2,136
11	2024	October	\$ (76)	\$ (120)	\$ (203)	\$ (399)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 778	\$ 756	\$ 668	\$ 2,203
12	2024	November	\$ (59)	\$ (123)	\$ (212)	\$ (394)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 761	\$ 759	\$ 677	\$ 2,198
Next Rate Period: December 2024 - November 2025														
13	2024	December	\$ (79)	\$ (123)	\$ (259)	\$ (461)	\$ 702	\$ 636	\$ 465	\$ 1,804	\$ 781	\$ 759	\$ 724	\$ 2,264
14	2025	January	\$ (109)	\$ (110)	\$ (26)	\$ (245)	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 777	\$ 774	\$ 719	\$ 2,270
15	2025	February	\$ (46)	\$ (1)	\$ 49	\$ 2	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 714	\$ 664	\$ 644	\$ 2,023
16	2025	March	\$ (126)	\$ 663	\$ (8)	\$ 529	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 794	\$ -	\$ 702	\$ 1,496
17	2025	April	\$ (68)	\$ (46)	\$ 35	\$ (79)	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 737	\$ 709	\$ 658	\$ 2,104
18	2025	May	\$ (100)	\$ (144)	\$ 17	\$ (227)	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 768	\$ 807	\$ 677	\$ 2,252
19	2025	June	\$ (50)	\$ (101)	\$ 48	\$ (104)	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 718	\$ 764	\$ 646	\$ 2,128
20	2025	July	\$ (78)	\$ (117)	\$ 12	\$ (183)	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 746	\$ 780	\$ 681	\$ 2,207
21	2025	August	\$ (110)	\$ (128)	\$ 30	\$ (208)	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 778	\$ 791	\$ 664	\$ 2,233
22	2025	September	\$ (74)	\$ (88)	\$ 35	\$ (128)	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 743	\$ 751	\$ 658	\$ 2,152
23	2025	October	\$ (94)	\$ (138)	\$ 635	\$ 403	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 763	\$ 801	\$ 58	\$ 1,622
24	2025	November	\$ (83)	\$ (115)	\$ (12)	\$ (210)	\$ 668	\$ 663	\$ 693	\$ 2,025	\$ 752	\$ 778	\$ 705	\$ 2,235
25	Total		\$ (1,017)	\$ (449)	\$ 555	\$ (911)	\$ 8,053	\$ 7,931	\$ 8,092	\$ 24,076	\$ 9,070	\$ 8,380	\$ 7,536	\$ 24,987

EXHIBIT D-2-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
ESTIMATED MATERIALS AND SUPPLIES BALANCE BY GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD
(Thousands of Dollars)

Line No.		<u>Brunswick Common (a)</u> (Col A)	<u>Harris</u> (Col B)	<u>Mayo</u> (Col C)	<u>Roxboro Common (b)</u> (Col D)	<u>Total</u> (Col E)
Next Rate Period: December 2024 - November 2025						
1	2024 November	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
2	2024 December	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
3	2025 January	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
4	2025 February	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
5	2025 March	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
6	2025 April	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
7	2025 May	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
8	2025 June	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
9	2025 July	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
10	2025 August	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
11	2025 September	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
12	2025 October	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
13	2025 November	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000
14	Average Balance for Next Rate Period	\$ 37,000	\$ 21,000	\$ 2,400	\$ 1,600	\$ 62,000

Notes:

- (a) Material and supplies inventory is not assigned at the generating unit level. All inventory is assigned to Brunswick Common. Approximately 18.33% of the inventory assigned to Brunswick Common has been captured under this rider.
- (b) Material and supplies inventory is not assigned at the generating unit level. All inventory that could be used at the four generating units at Roxboro is assigned to the Roxboro Common. Approximately 3.77% of the inventory assigned to Roxboro Common has been captured under this rider.

**EXHIBIT D-3-E
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAX ASSET RELATED TO NCEMPA'S NUCLEAR DECOMMISSIONING FUNDS TRANSFERRED TO DEP
(Thousands of Dollars)

	2015 <u>Actual</u>	2016 <u>Actual</u>	2017 <u>Actual</u>	2018 <u>Actual</u>	2019 <u>Actual</u>	2020 <u>Actual</u>	2021 <u>Actual</u>	2022 <u>Actual</u>	2023 <u>Actual</u>	2024 <u>Estimate</u>
ASSUMPTIONS:										
DECOMMISSIONING FUNDS TRANSFERRED	\$ 287,077 (a)									
TAX LIFE USED FOR ACQUIRED NCEMPA ASSETS	15 (b)									
COMPOSITE TAX RATE	35.16%	34.59%	34.01%	23.50%	23.17%	23.13%	23.13%	23.13%	23.13%	23.13% (c)
AFTER-TAX COST OF CAPITAL	6.6189%			6.4416%			6.2977%		6.4555%	6.4555% (c)
WEIGHTED ANNUAL INTEREST RATE	2.1479%			1.9440%			1.9392%		1.8941%	1.8941% (c)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060%			5.1480%			4.9920%		5.1940%	5.1940% (c)
NC RETAIL ALLOCATION FACTOR	60.27603%	60.60076%	61.33723%	61.52780%	60.75069%	61.57749%	62.20270%	61.82504%	62.81523%	62.81523% (d)

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (b) (Col B)	ANNUAL REDUCTION IN TAX DEPRECIATION (Col C)	TAX DEPR. NOT ALLOWED CURRENTLY (Col D)	ANNUAL DEF. TAXES FOR NON DEDUCTIBLE (Col E)	DEFERRED TAX ASSET BALANCE (Col F)	AVERAGE INVESTMENT FOR THE YEAR (Col G)	COST OF CAPITAL		INCOME TAXES (Col J)	NC RETAIL REVENUE (Col K)
								INTEREST (Col H)	EQUITY (Col I)		
Beg Balance July 31, 2015	\$ 173,039										
2015 FIVE MONTHS	\$ -	5.000%	\$ 8,652	\$ 8,652	\$ 3,042	\$ 3,042	\$ 634	\$ 14	\$ 34	\$ 19	\$ 66
2016	\$ -	9.500%	\$ 16,527	\$ 16,527	\$ 5,717	\$ 8,759	\$ 5,900	\$ 127	\$ 319	\$ 169	\$ 614
2017	\$ -	8.550%	\$ 15,055	\$ 15,055	\$ 696	\$ 9,455	\$ 11,128	\$ 239	\$ 602	\$ 310	\$ 1,151
2018	\$ -	7.700%	\$ 13,601	\$ 13,601	\$ 3,196	\$ 12,651	\$ 11,053	\$ 219	\$ 575	\$ 176	\$ 970
2019	\$ -	6.930%	\$ 12,086	\$ 12,086	\$ 2,800	\$ 15,452	\$ 14,051	\$ 273	\$ 723	\$ 218	\$ 1,215
2020	\$ -	6.230%	\$ 11,013	\$ 11,013	\$ 2,547	\$ 17,999	\$ 16,725	\$ 325	\$ 861	\$ 259	\$ 1,445
2021	\$ -	5.900%	\$ 10,536	\$ 10,536	\$ 2,437	\$ 20,436	\$ 19,217	\$ 373	\$ 972	\$ 292	\$ 1,637
2022	\$ -	5.900%	\$ 10,472	\$ 10,472	\$ 2,422	\$ 22,858	\$ 21,647	\$ 420	\$ 1,081	\$ 325	\$ 1,826
2023	\$ -	5.910%	\$ 10,531	\$ 10,531	\$ 2,436	\$ 25,294	\$ 24,076	\$ 464	\$ 1,214	\$ 365	\$ 2,043
2024	\$ -	5.900%	\$ 10,639	\$ 10,639	\$ 2,461	\$ 27,755	\$ 26,524	\$ 502	\$ 1,378	\$ 415	\$ 2,295
2025	\$ -	5.910%	\$ 10,657	\$ 10,657	\$ 2,465	\$ 30,220	\$ 28,987	\$ 549	\$ 1,506	\$ 453	\$ 2,508

Note: The Company will receive a future tax deduction at the time nuclear decommissioning costs are incurred. This schedule shows the annual revenue required for the Company to recover the pre-tax financing costs of the deferred tax asset recorded as an offset to the tax depreciation assumed in the levelization schedules.

Notes:

- (a) From Exhibit C-7-E, Line 47.
- (b) From Exhibit C-9-E, Col B.
- (c) From Exhibit J-E.
- (d) From Exhibit I-E.

EXHIBIT E-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF REVENUE REQUIREMENT RELATED TO CAPITAL ADDITIONS TO PLANT IN SERVICE SINCE THE PURCHASE DATE
RELATED TO PURCHASE FROM NCEMPA THROUGH THE END OF THE NEXT RATE PERIOD
(Thousands of Dollars)

<u>Line No.</u>		<u>NC Retail Amount (Col A)</u>
1	Average incremental rate base for actual capital additions to plant in service through the end of the next rate period allocated to NCEMPA	\$ 316,195 (a)
2	Average incremental rate base for estimated capital additions to plant in service through the end of the next rate period allocated to NCEMPA	\$ 67,890 (b)
3	Total average net plant in service on capital additions for the next rate period (Line 1 + Line 2)	<u>\$ 384,084</u>
4	Allocated to NC retail (Line 3 x 62.8152%)	<u>\$ 241,263 (f)</u>
5	Pre-tax cost of capital on rate base	8.6541% (c)
6	Total annual NC retail revenues required for cost of capital on above investments (Line 4 x Line 5)	<u>\$ 20,879</u>
Incremental operating expenses related to capital additions:		
7	Annual depreciation expense on actual capital additions for the next rate period	\$ 12,305 (d)
8	Annual depreciation expense on estimated capital additions for the next rate period	\$ 1,802 (e)
9	Other operating expenses related to capital additions for the next rate period	\$ -
10	Total annual operating expenses related to capital additions for the next rate period (Line 7 + Line 8 + Line 9)	<u>\$ 14,107</u>
11	NC retail allocation factor	62.8152% (f)
12	Total annual operating expenses related to capital additions for the next rate period allocated to NC retail (Line 10 x Line 11)	<u>\$ 8,861</u>
13	Total annual NC retail revenues required for financial and operating expenses related to capital additions since the acquisition date (Line 6 + Line 12)	<u>\$ 29,741</u>

Notes:

- (a) From Exhibit E-1-E: Summary of Actual Capital Additions, Line 8, Column E.
- (b) From Exhibit E-6-E: Summary of Estimated Capital Additions, Line 8, Column D.
- (c) From Exhibit J-E: Cost of Capital, Line 13, Column F.
- (d) From Exhibit E-4-E, Line 26, Column H.
- (e) From Exhibit E-8-E: Summary of Estimated Accumulated Depreciation, Line 29, Column P.
- (f) From Exhibit I-E: Demand Allocator to NC retail from 2023 cost of service study.

EXHIBIT E-1-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
ACTUAL CAPITAL ADDITIONS SUMMARY BY GENERATING UNIT FROM DATE OF PURCHASE
(Thousands of Dollars)

Line No.	Cumulative Actual Capital Additions (a) (Col A)	Actual Accumulated Depreciation (b) (Col B)	Accumulated Depreciation Thru End of Next Rate Period (c) (Col C)	Accumulated Deferred Income Taxes Thru End of Next Rate Period (d) (Col D)	Average Rate Base for Actual Capital Additions (Col E) = A + B + C + D
1	\$ 154,172	\$ (19,951)	\$ (5,809)	\$ (15,312)	113,100
2	\$ 89,620	\$ (9,433)	\$ (2,517)	\$ (6,642)	71,028
3	\$ -	\$ -	\$ -	\$ -	-
4	\$ 118,734	\$ (14,026)	\$ (3,776)	\$ (14,232)	86,699
5	\$ 27,790	\$ (2,800)	\$ (1,880)	\$ (1,579)	21,531
6	\$ 16,720	\$ (1,972)	\$ (1,267)	\$ (1,450)	12,031
7	\$ 17,879	\$ (3,000)	\$ (1,670)	\$ (1,402)	11,807
8	<u>\$ 424,916</u>	<u>\$ (51,183)</u>	<u>\$ (16,920)</u>	<u>\$ (40,619)</u>	<u>316,195</u>

Notes:

- (a) From Exhibit E-2-E, Line 16.
- (b) From Exhibit E-3-E, Line 16.
- (c) From Exhibit E-4-E, Line 27.
- (d) From Exhibit E-5-E, Column I, Lines 1 - 8.

EXHIBIT E-2-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC

NCEMPA GENERATION ASSET PURCHASE

ACTUAL CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH FROM DATE OF PURCHASE THROUGH DECEMBER 31, 2023

(Thousands of Dollars)

Line No.	ACTUAL CAPITAL ADDITIONS FOR THE MONTH									
	Brunswick 1 (Col A)	Brunswick 2 (Col B)	Brunswick Common (Col C)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)		
Prior Rate Period: December 2022 - November 2023										
1	2022	Beginning Balance	\$ 140,055	\$ 80,096	\$ -	\$ 114,123	\$ 26,654	\$ 15,558	\$ 17,317	\$ 393,804
2	2023	January	\$ 1,003	\$ 814	\$ -	\$ 324	\$ 777	\$ 94	\$ 12	\$ 3,024
3	2023	February	\$ 2,157	\$ 10	\$ -	\$ 704	\$ (104)	\$ (0)	\$ (0)	\$ 2,767
4	2023	March	\$ 2,784	\$ 7,393	\$ -	\$ 685	\$ 77	\$ (3)	\$ 417	\$ 11,352
5	2023	April	\$ 702	\$ 41	\$ -	\$ 222	\$ 18	\$ 1	\$ 9	\$ 993
6	2023	May	\$ 801	\$ 540	\$ -	\$ 102	\$ 181	\$ (4)	\$ 6	\$ 1,627
7	2023	June	\$ 1,156	\$ 331	\$ -	\$ 217	\$ (273)	\$ 121	\$ 9	\$ 1,561
8	2023	July	\$ 592	\$ (120)	\$ -	\$ 316	\$ 47	\$ (0)	\$ 13	\$ 848
9	2023	August	\$ 469	\$ 213	\$ -	\$ 93	\$ 55	\$ -	\$ 4	\$ 833
10	2023	September	\$ 193	\$ (41)	\$ -	\$ 186	\$ 33	\$ -	\$ 3	\$ 373
11	2023	October	\$ 1,361	\$ (1)	\$ -	\$ 1,531	\$ 48	\$ 38	\$ 37	\$ 3,014
12	2023	November	\$ 342	\$ 6	\$ -	\$ (212)	\$ 279	\$ 870	\$ 44	\$ 1,330
13		Total	\$ 151,615	\$ 89,283	\$ -	\$ 118,289	\$ 27,794	\$ 16,676	\$ 17,870	\$ 421,526
Current Rate Period: December 2023 - November 2024										
14	2023	December	\$ 2,557	\$ 337	\$ -	\$ 445	\$ (4)	\$ 44	\$ 10	\$ 3,390
15		Total	\$ 2,557	\$ 337	\$ -	\$ 445	\$ (4)	\$ 44	\$ 10	\$ 3,390
16		Total to date	\$ 154,172	\$ 89,620	\$ -	\$ 118,734	\$ 27,790	\$ 16,720	\$ 17,879	\$ 424,916

EXHIBIT E-3-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
ACTUAL DEPRECIATION EXPENSE ON CAPITAL ADDITIONS BY GENERATING UNIT FROM DATE
OF PURCHASE THROUGH DECEMBER 31, 2023
(Thousands of Dollars)

		DEPRECIATION EXPENSE ON ACTUAL CAPITAL ADDITIONS BY MONTH								
Line No.		<u>Brunswick 1</u> (Col A)	<u>Brunswick 2</u> (Col B)	<u>Brunswick Common</u> (Col C)	<u>Harris</u> (Col D)	<u>Mayo</u> (Col E)	<u>Roxboro 4</u> (Col F)	<u>Roxboro Common</u> (Col G)	<u>Total</u> (Col H)	
1	Beginning depreciation expense to date	\$ 16,062	\$ 7,704	\$ -	\$ 11,194	\$ 1,990	\$ 1,448	\$ 2,237	\$ 40,634	
Prior Rate Period: December 2022 - November 2023										
2	2023 January	\$ 307	\$ 131	\$ -	\$ 235	\$ 56	\$ 37	\$ 55	\$ 821	
3	2023 February	\$ 310	\$ 133	\$ -	\$ 236	\$ 58	\$ 37	\$ 55	\$ 828	
4	2023 March	\$ 315	\$ 133	\$ -	\$ 237	\$ 58	\$ 37	\$ 55	\$ 834	
5	2023 April	\$ 319	\$ 146	\$ -	\$ 238	\$ 58	\$ 37	\$ 57	\$ 855	
6	2023 May	\$ 321	\$ 146	\$ -	\$ 238	\$ 58	\$ 37	\$ 57	\$ 858	
7	2023 June	\$ 322	\$ 147	\$ -	\$ 238	\$ 59	\$ 37	\$ 57	\$ 860	
8	2023 July	\$ 325	\$ 147	\$ -	\$ 238	\$ 59	\$ 38	\$ 57	\$ 864	
9	2023 August	\$ 326	\$ 147	\$ -	\$ 239	\$ 59	\$ 38	\$ 57	\$ 865	
10	2023 September	\$ 327	\$ 147	\$ -	\$ 239	\$ 59	\$ 38	\$ 57	\$ 866	
11	2023 October	\$ 327	\$ 147	\$ -	\$ 239	\$ 59	\$ 38	\$ 57	\$ 867	
12	2023 November	\$ 345	\$ 152	\$ -	\$ 228	\$ 113	\$ 74	\$ 101	\$ 1,013	
13	Total	\$ 19,605	\$ 9,281	\$ -	\$ 13,798	\$ 2,686	\$ 1,896	\$ 2,899	\$ 50,165	
Current Rate Period: December 2023 - November 2024										
14	2023 December	\$ 346	\$ 152	\$ -	\$ 228	\$ 114	\$ 76	\$ 101	\$ 1,017	
15	Total	\$ 346	\$ 152	\$ -	\$ 228	\$ 114	\$ 76	\$ 101	\$ 1,017	
16	Total depreciation expense to date	\$ 19,951	\$ 9,433	\$ -	\$ 14,026	\$ 2,800	\$ 1,972	\$ 3,000	\$ 51,183	

EXHIBIT E-4-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC

NCEMPA GENERATION ASSET PURCHASE

ADDITIONAL ESTIMATED DEPRECIATION EXPENSE AND AVERAGE ACCUMULATED DEPRECIATION BALANCES on ACTUAL CAPITAL ADDITIONS
by GENERATING UNT THROUGH THE END OF THE NEXT RATE PERIOD

(Thousands of Dollars)

Line No.	ADDITIONAL ESTIMATED DEPRECIATION EXPENSE ON ACTUAL CAPITAL ADDITIONS									
	Brunswick 1 (Col A)	Brunswick 2 (Col B)	Brunswick Common (a) (Col C)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)		
Current Rate Period: December 2023 - November 2024										
1	2023	December							(b)	
2	2024	January	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
3	2024	February	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
4	2024	March	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
5	2024	April	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
6	2024	May	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
7	2024	June	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
8	2024	July	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
9	2024	August	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
10	2024	September	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
11	2024	October	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
12	2024	November	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
13	Total		\$ 3,873	\$ 1,678	\$ -	\$ 2,518	\$ 1,253	\$ 844	\$ 1,113	\$ 11,280
Next Rate Period: December 2024 - November 2025										
14	2024	December	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
15	2025	January	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
16	2025	February	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
17	2025	March	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
18	2025	April	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
19	2025	May	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
20	2025	June	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
21	2025	July	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
22	2025	August	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
23	2025	September	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
24	2025	October	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
25	2025	November	\$ 352	\$ 153	\$ -	\$ 229	\$ 114	\$ 77	\$ 101	\$ 1,025
26	Total Estimated Additional Depreciation Expense		\$ 4,225	\$ 1,830	\$ -	\$ 2,746	\$ 1,367	\$ 921	\$ 1,215	\$ 12,305
27	Average Balance of Accumulated Depreciation on actual capital additions in the next rate period (c)		\$ (5,809)	\$ (2,517)	\$ -	\$ (3,776)	\$ (1,880)	\$ (1,267)	\$ (1,670)	\$ (16,920)

Notes:

- (a) Estimated depreciation expense for Brunswick Common are combined with Brunswick 1.
- (b) Estimated depreciation expense for December 2023 is not needed for this schedule. Actual depreciation expense for 2023 is captured on Exhibit E-3-E for rider purposes.
- (c) Amount reflects the weighted average ending balance based on monthly activity.

Jun 11 2024

OFFICIAL COPY

**EXHIBIT E-5-E
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
ESTIMATED ACCUMULATED DEFERRED INCOME TAXES on ACTUAL CAPITAL ADDITIONS by GENERATING UNIT through the end of the RATE PERIOD
(Thousands of Dollars)

Line No.	Calculated Deferred Taxes Vintage Years 2015 and 2016 (a) (Col A)	Calculated Deferred Taxes Vintage Years 2017 (b) (Col B)	Calculated Deferred Taxes Vintage Years 2018 (c) (Col C)	Calculated Deferred Taxes Vintage Years 2019 (d) (Col D)	Calculated Deferred Taxes Vintage Years 2020 (e) (Col E)	Calculated Deferred Taxes Vintage Years 2021 (f) (Col F)	Calculated Deferred Taxes Vintage Years 2022 (g) (Col G)	Cumulative Additions YTD Ended 12/31/2023 (h) (Col H)	Deferred Tax Percentage Vintage Years 2023 (i) (Col I)	Calculated Deferred Taxes Vintage Years 2023 (Col J) (Col J) = H x I	Total Deferred Taxes (Col K) (Col K) = A thru G + J
1 Brunswick 1	\$ (5,762)	\$ (2,530)	\$ (3,163)	\$ (1,350)	\$ (904)	\$ (542)	\$ (496)	\$ 14,117	4%	\$ (565)	\$ (15,312)
2 Brunswick 2	\$ (1,788)	\$ (2,031)	\$ (313)	\$ (1,632)	\$ (121)	\$ (333)	\$ (138)	\$ 9,524	3%	\$ (286)	\$ (6,642)
3 Brunswick Common	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%	\$ -	\$ -
4 Harris	\$ (4,716)	\$ (2,320)	\$ (2,788)	\$ (2,606)	\$ (295)	\$ (480)	\$ (659)	\$ 4,611	8%	\$ (369)	\$ (14,232)
5 Mayo	\$ (277)	\$ (162)	\$ (83)	\$ (895)	\$ (94)	\$ 15	\$ (50)	\$ 1,136	3%	\$ (34)	\$ (1,579)
6 Roxboro 4	\$ (120)	\$ (391)	\$ (902)	\$ (8)	\$ (9)	\$ (6)	\$ (2)	\$ 1,162	1%	\$ (12)	\$ (1,450)
7 Roxboro Common	\$ (470)	\$ (127)	\$ (404)	\$ (385)	\$ (6)	\$ (3)	\$ (1)	\$ 562	1%	\$ (6)	\$ (1,402)
8	<u>\$ (13,133)</u>	<u>\$ (7,561)</u>	<u>\$ (7,653)</u>	<u>\$ (6,875)</u>	<u>\$ (1,429)</u>	<u>\$ (1,350)</u>	<u>\$ (1,346)</u>	<u>\$ 31,112</u>		<u>\$ (1,271)</u>	<u>\$ (40,619)</u>

Notes:

- (a) From Exhibit E-4-TU and Exhibit E-5-TU.
- (b) From Exhibit E-6-TU.
- (c) From Exhibit E-7-TU.
- (d) From Exhibit E-8-TU.
- (e) From Exhibit E-9-TU.
- (f) From Exhibit E-10-TU.
- (g) From Exhibit E-11-TU.
- (h) From Exhibit E-2-E, Line 16 minus Line 1.
- (i) Amounts represent deferred taxes as a percentage of gross capital additions.

EXHIBIT E-6-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC

NCEMPA GENERATION ASSET PURCHASE

ESTIMATED AVERAGE NET INCREMENTAL CAPITAL ADDITIONS BY GENERATING UNIT FOR THE NEXT RATE PERIOD

(Thousands of Dollars)

Line No.	Estimated Average Capital Additions (a) (Col A)	Estimated Average Accumulated Depreciation (b) (Col B)	Estimated Average Accumulated Deferred Tax Asset (Liability) (c) (Col C)	Average Rate Base for Estimated Capital Additions (Col D) = A + B + C
1 Brunswick 1	\$ 47,421	\$ (735)	\$ (1,795)	\$ 44,891
2 Brunswick 2	\$ -	\$ -	\$ -	\$ -
3 Brunswick Common	\$ -	\$ -	\$ -	\$ -
4 Harris	\$ 19,351	\$ (252)	\$ (1,481)	\$ 17,617
5 Mayo	\$ 4,185	\$ (198)	\$ (80)	\$ 3,907
6 Roxboro 4	\$ 955	\$ (38)	\$ (26)	\$ 891
7 Roxboro Common	\$ 626	\$ (25)	\$ (17)	\$ 584
8 Grand Total	<u>\$ 72,537</u>	<u>\$ (1,247)</u>	<u>\$ (3,400)</u>	<u>\$ 67,890</u>

Notes:

- (a) From Exhibit E-7-E: Estimated Capital Additions, Line 27.
- (b) From Exhibit E-8-E: Estimated Accumulated Depreciation, Line 27.
- (c) From Exhibit E-9-E: Deferred Taxes on Estimated Capital Additions, Line 53.

EXHIBIT E-7-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC

NCEMPA GENERATION ASSET PURCHASE

ESTIMATED INCREMENTAL CAPITAL ADDITIONS BY GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD

(Thousands of Dollars)

Line No.		Brunswick 1 (a) (Col A)	Brunswick 2 (a) (Col B)	Brunswick Common (a) (Col C)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
Current Rate Period: December 2023 - November 2024									
1	2023 December								
2	2024 January	\$ 2,625	\$ -	\$ -	\$ 684	\$ -	\$ -	\$ -	\$ 3,309
3	2024 February	\$ 2,528	\$ -	\$ -	\$ 657	\$ -	\$ -	\$ -	\$ 3,185
4	2024 March	\$ 3,611	\$ -	\$ -	\$ 4,393	\$ -	\$ -	\$ -	\$ 8,004
5	2024 April	\$ 4,157	\$ -	\$ -	\$ 627	\$ -	\$ -	\$ -	\$ 4,783
6	2024 May	\$ 2,759	\$ -	\$ -	\$ 803	\$ 1,780	\$ 120	\$ 11	\$ 5,473
7	2024 June	\$ 3,846	\$ -	\$ -	\$ 3,295	\$ -	\$ -	\$ -	\$ 7,141
8	2024 July	\$ 2,568	\$ -	\$ -	\$ 742	\$ -	\$ -	\$ -	\$ 3,310
9	2024 August	\$ 2,507	\$ -	\$ -	\$ 709	\$ -	\$ -	\$ -	\$ 3,216
10	2024 September	\$ 2,651	\$ -	\$ -	\$ 686	\$ 654	\$ 31	\$ 3	\$ 4,025
11	2024 October	\$ 2,377	\$ -	\$ -	\$ 666	\$ -	\$ -	\$ -	\$ 3,043
12	2024 November	\$ 2,329	\$ -	\$ -	\$ 2,154	\$ -	\$ -	\$ -	\$ 4,483
13	Total	\$ 31,958	\$ -	\$ -	\$ 15,415	\$ 2,434	\$ 151	\$ 14	\$ 49,973
Next Rate Period: December 2024 - November 2025									
14	2024 December	5,798	\$ -	\$ -	732	1,717	868	661	\$ 9,775
15	2025 January	2,100	\$ -	\$ -	713	-	0	0	\$ 2,813
16	2025 February	2,055	\$ -	\$ -	712	63	10	7	\$ 2,847
17	2025 March	2,000	\$ -	\$ -	712	-	0	0	\$ 2,713
18	2025 April	2,432	\$ -	\$ -	712	-	0	0	\$ 3,144
19	2025 May	2,383	\$ -	\$ -	712	259	0	0	\$ 3,354
20	2025 June	2,351	\$ -	\$ -	712	-	0	0	\$ 3,063
21	2025 July	2,348	\$ -	\$ -	712	-	0	0	\$ 3,061
22	2025 August	2,320	\$ -	\$ -	713	-	0	0	\$ 3,034
23	2025 September	2,294	\$ -	\$ -	714	-	0	0	\$ 3,008
24	2025 October	2,254	\$ -	\$ -	715	-	0	0	\$ 2,969
25	2025 November	2,205	\$ -	\$ -	784	8,487	44	33	\$ 11,554
26	Total Estimated Capital Additions	\$ 62,499	\$ -	\$ -	\$ 24,057	\$ 12,960	\$ 1,074	\$ 718	\$ 101,308
27	Average Balance of Estimated Capital additions in the next rate period (c)	\$ 47,421	\$ -	\$ -	\$ 19,351	\$ 4,185	\$ 955	\$ 626	\$ 72,537

Notes:

- (a) Estimated capital additions for Brunswick 2 and Brunswick Common are combined with Brunswick 1.
- (b) Estimated capital additions for December 2023 are not needed for this schedule. Actual capital additions for December 2023 are captured on Exhibit E-2-E for rider purposes.
- (c) Amount reflects the weighted average ending balance based on monthly activity.

Jun 11 2024

OFFICIAL COPY

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
ESTIMATED ACCUMULATED DEPRECIATION ON CAPITAL ADDITIONS BY GENERATING UNIT THROUGH THE END OF THE NEXT RATE PERIOD
(Thousands of Dollars)

Line No.	CAPITAL ADDITIONS								DEPRECIATION EXPENSE									
	Brunswick 1 (a) (Col A)	Brunswick 2 (a) (Col B)	Brunswick Common (a) (Col C)	Harris (Col D)	Mavo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)	Brunswick 1 (a) (Col I)	Brunswick 2 (a) (Col J)	Brunswick Common (a) (Col K)	Harris (Col L)	Mavo (Col M)	Roxboro 4 (Col N)	Roxboro Common (Col O)	Total (Col P)		
Current Rate Period: December 2023 - November 2024																		
1	2023	December																
2	2024	January	\$ 2,625	\$ -	\$ -	\$ 684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3	2024	February	\$ 2,528	\$ -	\$ -	\$ 657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1	\$ -	\$ -	\$ -	\$ -	
4	2024	March	\$ 3,611	\$ -	\$ -	\$ 4,393	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2	\$ -	\$ -	\$ -	\$ -	\$ -	
5	2024	April	\$ 4,157	\$ -	\$ -	\$ 627	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8	\$ -	\$ -	\$ -	\$ -	\$ -	
6	2024	May	\$ 2,759	\$ -	\$ -	\$ 803	\$ 1,780	\$ 120	\$ 11	\$ 5,473	\$ 24	\$ -	\$ -	\$ 9	\$ -	\$ -	\$ -	
7	2024	June	\$ 3,846	\$ -	\$ -	\$ 3,295	\$ -	\$ -	\$ -	\$ 7,141	\$ 29	\$ -	\$ -	\$ 10	\$ 10	\$ 1	\$ 0	
8	2024	July	\$ 2,568	\$ -	\$ -	\$ 742	\$ -	\$ -	\$ -	\$ 3,310	\$ 36	\$ -	\$ -	\$ 15	\$ 10	\$ 1	\$ 0	
9	2024	August	\$ 2,507	\$ -	\$ -	\$ 709	\$ -	\$ -	\$ -	\$ 3,216	\$ 41	\$ -	\$ -	\$ 16	\$ 10	\$ 1	\$ 0	
10	2024	September	\$ 2,651	\$ -	\$ -	\$ 686	\$ 654	\$ 31	\$ 3	\$ 4,025	\$ 45	\$ -	\$ -	\$ 17	\$ 10	\$ 1	\$ 0	
11	2024	October	\$ 2,377	\$ -	\$ -	\$ 666	\$ -	\$ -	\$ -	\$ 3,043	\$ 50	\$ -	\$ -	\$ 18	\$ 14	\$ 1	\$ 0	
12	2024	November	\$ 2,329	\$ -	\$ -	\$ 2,154	\$ -	\$ -	\$ -	\$ 4,483	\$ 54	\$ -	\$ -	\$ 19	\$ 14	\$ 1	\$ 0	
13	Total		\$ 31,958	\$ -	\$ -	\$ 15,415	\$ 2,434	\$ 151	\$ 14	\$ 49,973	\$ 309	\$ -	\$ -	\$ 114	\$ 70	\$ 5	\$ 1	\$ 499
Next Rate Period: December 2024 - November 2025																		
14	2024	December	\$ 5,798	\$ -	\$ -	\$ 732	\$ 1,717	\$ 868	\$ 661	\$ 9,775	\$ 59	\$ -	\$ -	\$ 22	\$ 14	\$ 1	\$ 0	\$ 96
15	2025	January	\$ 2,100	\$ -	\$ -	\$ 713	\$ -	\$ 0	\$ 0	\$ 2,813	\$ 69	\$ -	\$ -	\$ 23	\$ 24	\$ 7	\$ 5	\$ 129
16	2025	February	\$ 2,055	\$ -	\$ -	\$ 712	\$ 63	\$ 10	\$ 7	\$ 2,847	\$ 73	\$ -	\$ -	\$ 24	\$ 24	\$ 7	\$ 5	\$ 133
17	2025	March	\$ 2,000	\$ -	\$ -	\$ 712	\$ -	\$ 0	\$ 0	\$ 2,713	\$ 77	\$ -	\$ -	\$ 25	\$ 25	\$ 7	\$ 5	\$ 139
18	2025	April	\$ 2,432	\$ -	\$ -	\$ 712	\$ -	\$ 0	\$ 0	\$ 3,144	\$ 81	\$ -	\$ -	\$ 26	\$ 25	\$ 7	\$ 5	\$ 143
19	2025	May	\$ 2,383	\$ -	\$ -	\$ 712	\$ 259	\$ 0	\$ 0	\$ 3,354	\$ 85	\$ -	\$ -	\$ 27	\$ 25	\$ 7	\$ 5	\$ 149
20	2025	June	\$ 2,351	\$ -	\$ -	\$ 712	\$ -	\$ 0	\$ 0	\$ 3,063	\$ 89	\$ -	\$ -	\$ 28	\$ 26	\$ 7	\$ 5	\$ 156
21	2025	July	\$ 2,348	\$ -	\$ -	\$ 712	\$ -	\$ 0	\$ 0	\$ 3,061	\$ 94	\$ -	\$ -	\$ 29	\$ 26	\$ 7	\$ 5	\$ 161
22	2025	August	\$ 2,320	\$ -	\$ -	\$ 713	\$ -	\$ 0	\$ 0	\$ 3,034	\$ 98	\$ -	\$ -	\$ 30	\$ 26	\$ 7	\$ 5	\$ 166
23	2025	September	\$ 2,294	\$ -	\$ -	\$ 714	\$ -	\$ 0	\$ 0	\$ 3,008	\$ 102	\$ -	\$ -	\$ 31	\$ 26	\$ 7	\$ 5	\$ 172
24	2025	October	\$ 2,254	\$ -	\$ -	\$ 715	\$ -	\$ 0	\$ 0	\$ 2,969	\$ 106	\$ -	\$ -	\$ 32	\$ 26	\$ 7	\$ 5	\$ 177
25	2025	November	\$ 2,205	\$ -	\$ -	\$ 784	\$ 8,487	\$ 44	\$ 33	\$ 11,554	\$ 111	\$ -	\$ -	\$ 33	\$ 26	\$ 7	\$ 5	\$ 182
26	Total		\$ 62,499	\$ -	\$ -	\$ 24,057	\$ 12,960	\$ 1,074	\$ 718	\$ 101,308	\$ 1,353	\$ -	\$ -	\$ 442	\$ 364	\$ 82	\$ 60	\$ 2,301
27	Average balance of estimated accumulated depreciation in the next rate period (c)								\$ (735)	\$ -	\$ -	\$ (252)	\$ (198)	\$ (38)	\$ (25)	\$ (1,247)		
28	Depreciation Rate (d)								2.2019%	1.9950%	0.0000%	1.6938%	7.0248%	8.0239%	9.4898%			
29	Depreciation expense on estimated capital additions in the next rate period (sum of Lines 14 through 25)								\$ 1,044	\$ -	\$ -	\$ 328	\$ 294	\$ 77	\$ 59	\$ 1,802		

Notes:
(a) Estimated capital additions and depreciation expense for Brunswick 2 and Brunswick Common are combined with Brunswick 1.
(b) Estimated depreciation expense for December 2023 is not needed for this schedule. Actual depreciation expense for 2023 is captured on Exhibit E-3-E for rider purposes.
(c) Amount reflects the weighted average ending balance based on monthly activity.
(d) From Exhibit C-10-E.

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON ESTIMATED CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH THROUGH THE END OF THE NEXT RATE PERIOD
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

OFFICIAL COPY

Jun 11 2024

		DEFERRED TAX BALANCES							
Line No.		Brunswick 1 (a) (Col A)	Brunswick 2 (a) (Col B)	Brunswick Common (a) (Col C)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - 2024 (b)	4%	2%		8%	2%	3%	3%	
Capital Additions:									
2024									
2	Gross Capital Additions in December 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - (c)
3	Gross Capital Additions in January 2024	\$ 2,625	\$ -	\$ -	\$ 684	\$ -	\$ -	\$ -	\$ 3,309 (c)
4	Gross Capital Additions in February	\$ 2,528	\$ -	\$ -	\$ 657	\$ -	\$ -	\$ -	\$ 3,185 (c)
5	Gross Capital Additions in March	\$ 3,611	\$ -	\$ -	\$ 4,393	\$ -	\$ -	\$ -	\$ 8,004 (c)
6	Gross Capital Additions in April	\$ 4,157	\$ -	\$ -	\$ 627	\$ -	\$ -	\$ -	\$ 4,783 (c)
7	Gross Capital Additions in May	\$ 2,759	\$ -	\$ -	\$ 803	\$ 1,780	\$ 120	\$ 11	\$ 5,473 (c)
8	Gross Capital Additions in June	\$ 3,846	\$ -	\$ -	\$ 3,295	\$ -	\$ -	\$ -	\$ 7,141 (c)
9	Gross Capital Additions in July	\$ 2,568	\$ -	\$ -	\$ 742	\$ -	\$ -	\$ -	\$ 3,310 (c)
10	Gross Capital Additions in August	\$ 2,507	\$ -	\$ -	\$ 709	\$ -	\$ -	\$ -	\$ 3,216 (c)
11	Gross Capital Additions in September	\$ 2,651	\$ -	\$ -	\$ 686	\$ 654	\$ 31	\$ 3	\$ 4,025 (c)
12	Gross Capital Additions in October	\$ 2,377	\$ -	\$ -	\$ 666	\$ -	\$ -	\$ -	\$ 3,043 (c)
13	Gross Capital Additions in November	\$ 2,329	\$ -	\$ -	\$ 2,154	\$ -	\$ -	\$ -	\$ 4,483 (c)
2025									
14	Gross Capital Additions in December 2024	\$ 5,798	\$ -	\$ -	\$ 732	\$ 1,717	\$ 868	\$ 661	\$ 9,775 (c)
15	Gross Capital Additions in January 2025	\$ 2,100	\$ -	\$ -	\$ 713	\$ -	\$ 0	\$ 0	\$ 2,813 (c)
16	Gross Capital Additions in February	\$ 2,055	\$ -	\$ -	\$ 712	\$ 63	\$ 10	\$ 7	\$ 2,847 (c)
17	Gross Capital Additions in March	\$ 2,000	\$ -	\$ -	\$ 712	\$ -	\$ 0	\$ 0	\$ 2,713 (c)
18	Gross Capital Additions in April	\$ 2,432	\$ -	\$ -	\$ 712	\$ -	\$ 0	\$ 0	\$ 3,144 (c)
19	Gross Capital Additions in May	\$ 2,383	\$ -	\$ -	\$ 712	\$ 259	\$ 0	\$ 0	\$ 3,354 (c)
20	Gross Capital Additions in June	\$ 2,351	\$ -	\$ -	\$ 712	\$ -	\$ 0	\$ 0	\$ 3,063 (c)
21	Gross Capital Additions in July	\$ 2,348	\$ -	\$ -	\$ 712	\$ -	\$ 0	\$ 0	\$ 3,061 (c)
22	Gross Capital Additions in August	\$ 2,320	\$ -	\$ -	\$ 713	\$ -	\$ 0	\$ 0	\$ 3,034 (c)
23	Gross Capital Additions in September	\$ 2,294	\$ -	\$ -	\$ 714	\$ -	\$ 0	\$ 0	\$ 3,008 (c)
24	Gross Capital Additions in October	\$ 2,254	\$ -	\$ -	\$ 715	\$ -	\$ 0	\$ 0	\$ 2,969 (c)
25	Gross Capital Additions in November	\$ 2,205	\$ -	\$ -	\$ 784	\$ 8,487	\$ 44	\$ 33	\$ 11,554 (c)
26	Balance at November 30, 2025	\$ 62,499	\$ -	\$ -	\$ 24,057	\$ 12,960	\$ 1,074	\$ 718	\$ 101,308
Deferred Tax Expense / (Benefit) (d):									
2024									
27	Deferred Taxes in December	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	Deferred Taxes in January	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29	Deferred Taxes in February	\$ 105	\$ -	\$ -	\$ 55	\$ -	\$ -	\$ -	\$ 160
30	Deferred Taxes in March	\$ 101	\$ -	\$ -	\$ 53	\$ -	\$ -	\$ -	\$ 154
31	Deferred Taxes in April	\$ 144	\$ -	\$ -	\$ 351	\$ -	\$ -	\$ -	\$ 496
32	Deferred Taxes in May	\$ 166	\$ -	\$ -	\$ 50	\$ -	\$ -	\$ -	\$ 216
33	Deferred Taxes in June	\$ 110	\$ -	\$ -	\$ 64	\$ 36	\$ 4	\$ 0	\$ 214
34	Deferred Taxes in July	\$ 154	\$ -	\$ -	\$ 264	\$ -	\$ -	\$ -	\$ 417
35	Deferred Taxes in August	\$ 103	\$ -	\$ -	\$ 59	\$ -	\$ -	\$ -	\$ 162
36	Deferred Taxes in September	\$ 100	\$ -	\$ -	\$ 57	\$ -	\$ -	\$ -	\$ 157
37	Deferred Taxes in October	\$ 106	\$ -	\$ -	\$ 55	\$ 13	\$ 1	\$ 0	\$ 175
38	Deferred Taxes in November	\$ 95	\$ -	\$ -	\$ 53	\$ -	\$ -	\$ -	\$ 148
39	Total	\$ 1,185	\$ -	\$ -	\$ 1,061	\$ 49	\$ 5	\$ 0	\$ 2,300
2025									
40	Deferred Taxes in December	\$ 93	\$ -	\$ -	\$ 172	\$ -	\$ -	\$ -	\$ 266
41	Deferred Taxes in January	\$ 232	\$ -	\$ -	\$ 59	\$ 34	\$ 26	\$ 20	\$ 371
42	Deferred Taxes in February	\$ 84	\$ -	\$ -	\$ 57	\$ -	\$ 0	\$ 0	\$ 141
43	Deferred Taxes in March	\$ 82	\$ -	\$ -	\$ 57	\$ 1	\$ 0	\$ 0	\$ 141
44	Deferred Taxes in April	\$ 80	\$ -	\$ -	\$ 57	\$ -	\$ 0	\$ 0	\$ 137
45	Deferred Taxes in May	\$ 97	\$ -	\$ -	\$ 57	\$ -	\$ 0	\$ 0	\$ 154
46	Deferred Taxes in June	\$ 95	\$ -	\$ -	\$ 57	\$ 5	\$ 0	\$ 0	\$ 157
47	Deferred Taxes in July	\$ 94	\$ -	\$ -	\$ 57	\$ -	\$ 0	\$ 0	\$ 151
48	Deferred Taxes in August	\$ 94	\$ -	\$ -	\$ 57	\$ -	\$ 0	\$ 0	\$ 151
49	Deferred Taxes in September	\$ 93	\$ -	\$ -	\$ 57	\$ -	\$ 0	\$ 0	\$ 150
50	Deferred Taxes in October	\$ 92	\$ -	\$ -	\$ 57	\$ -	\$ 0	\$ 0	\$ 149
51	Deferred Taxes in November	\$ 90	\$ -	\$ -	\$ 57	\$ -	\$ 0	\$ 0	\$ 147
52	Balance at November 30, 2025	\$ 2,412	\$ -	\$ -	\$ 1,862	\$ 89	\$ 31	\$ 21	\$ 4,414
53	Average Balance of Accumulated Deferred Income Tax Asset (Liability) on actual capital additions in the next rate period	\$ (1,795)	\$ -	\$ -	\$ (1,481)	\$ (80)	\$ (26)	\$ (17)	\$ (3,400) (e)

Notes:

- (a) Estimated deferred taxes for Brunswick 2 and Brunswick Common are combined with Brunswick 1.
- (b) Amounts represent deferred taxes as a percentage of gross capital additions.
- (c) From Exhibit E-7-E: Estimated Capital Additions.
- (d) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing differences will also commence in the month subsequent to the asset being placed in service.
- (e) Amount reflects the weighted average ending balance based on monthly activity.

EXHIBIT F-E
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF INCREMENTAL OPERATING EXPENSES AND REDUCTION OF OTHER ELECTRIC REVENUE
RESULTING FROM ACQUIRING NCEMPA ASSETS

Line No.	<u>Description</u>	FERC Account <u>Number</u> (Col A)	Annual System Incremental Amount (a) <u>(In Dollars)</u> (Col B)	Annual Amount NC Retail (b) (In Thousands of Dollars) (Col C)
1	Roxboro 4 O&M	500-514	\$ 1,455,511	\$ 914
2	Mayo 1 O&M	500-514	\$ 3,235,793	\$ 2,033
3	Brunswick Plant O&M	517-532	\$ 36,966,688	\$ 23,221
4	Harris 1 O&M	517-532	\$ 22,128,789	\$ 13,900
5	A&G Expenses	929	\$ 34,074,723	\$ 21,404
6	Payroll Taxes	408	\$ 3,335,864	\$ 2,095
7	General Plant Return	454	\$ 3,989,868	\$ 2,506
8	Dispatch Fee	456	\$ 35,422	\$ 22
9	Auxiliary Power	447	\$ 509,343	\$ 320
10	Site Representative	456	\$ 4,908	\$ 3
11	NCEMPA Revenue Included in Cost of Service for a Return on Coal Inventory	456.3	\$ 48,846	\$ 31
12	Property Taxes	408	\$ 7,570,525	\$ 4,755
13	Incremental Nuclear Decommissioning Costs	403	\$ -	\$ -
14	Total			\$ 71,205 ^(c)

Notes:

- (a) Annual system amounts on Lines 1-12 are estimates of the amounts that would have been billed to NCEMPA for the next rate period.
- (b) Calculated as Column B x NC retail allocation factor from 2023 cost of service study from Exhibit I -E 62.81523%
- (c) From Exhibit F-1-E, Line 7.

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF INCREMENTAL NUCLEAR DECOMMISSIONING EXPENSE FOR THE NEXT RATE PERIOD
(In Dollars)

Line No.	Decommissioning Recovered in Existing Base Rates					
	Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col C)	Robinson (Col D)	Total (Col E)	
1	\$ -	\$ -	\$ -	\$ -	\$ -	(a)
2	61.5278%	61.5278%	61.5278%	61.5278%		
3	\$ -	\$ -	\$ -	\$ -	\$ -	
4	18.33%	18.33%	16.17%	0.00%		
5	\$ -	\$ -	\$ -	\$ -	\$ -	
6	62.8152%	62.8152%	62.8152%	62.8152%		(b)
7	\$ -	\$ -	\$ -	\$ -	\$ -	

Notes:

- (a) In the Agreement and Stipulation of Partial Settlement between DEP and the Public Staff for the rate case filed under Docket No. E-2, Sub 1300, the Company agreed to reduce nuclear decommissioning costs to \$0 for NC retail customers effective June 1, 2023. As such, the amount flowing through the JAAR rider will also be \$0.
- (b) From Exhibit I-E: Demand Allocator to NC retail from 2023 cost of service study.

**EXHIBIT I-E
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
 NCEMPA GENERATION ASSET PURCHASE
 PRODUCTION DEMAND ALLOCATION FACTORS INCLUDING ADJUSTMENT FOR NCEMPA ADDITIONAL SALES
 Retail Per Books Cost of Service Study - 12 Months Ended December 31, 2023

Line No.	Rate Schedule	12 CP Firm, Modified A&E within Retail Demand (KW) (Col A)	Ratio of Each Rate Schedule To Total (Col B)	Rate Class	NC Retail Allocation Factors	
					Percent of System (Col C)	Class Percent of Total NC Retail (Col D)
1	NC RES	3,273,174	0.309300	Residential Class	31.7002%	50.4658%
2	NC RES-TOU	81,511	0.007702	SGS Class	3.4922%	5.5595%
3	NC SGS	363,631	0.034361	MGS Class	16.3532%	26.0337% **
4	NC SGS-CLR	5,933	0.000561	SI Class	0.1485%	0.2364%
5	NC MGS-TOU	1,185,852	0.112058	LGS Class	10.4023%	16.5601%
6	NC MGS	544,725	0.051474	TSS Class	0.0047%	0.0075%
7	NC SI	15,713	0.001485	Outdoor Lighting Class	0.7142%	1.1370%
8	NC LGS	147,767	0.013963	Total	62.8152%	100.0000%
9	NC LGS-TOU	255,819	0.024174			
10	NC LGS-RTP	697,236	0.065886			
11	NC TSS	499	0.000047			
12	NC ALS	56,814	0.005369			
13	NC SLS	18,376	0.001736			
14	NC SFLS	390	0.000037			
15	Total NCR	6,647,439	0.628152			
16	Total NCWHS incl. NCEMPA	3,034,619	0.286757			
17	Total NC	9,682,057	0.914910			
18	SC RES	364,613	0.034454			
19	SC RET	6,203	0.000586			
20	SC SGS	43,622	0.004122			
21	SC SGS-CLR	654	0.000062			
22	SC MGS-TOU	136,428	0.012892			
23	SC MGS	89,150	0.008424			
24	SC SI	4,281	0.000405			
25	SC LGS	59,113	0.005586			
26	SC LGS-TOU	38,993	0.003685			
27	SC LGS-CRTL-TOU	73,532	0.006948			
28	SC LGS-RTP	69,943	0.006609			
29	SC TSS	219	0.000021			
30	SC ALS	10,783	0.001019			
31	SC SLS	2,900	0.000274			
32	SC SFLS	38	0.000004			
33	Total SCR	900,470	0.085090			
34	SCWHS		0.000000			
35	Total SC	900,470	0.085090			
36	Total System with NCEMPA retained capacity	10,582,528	1.000000			

**Allocation of MGS Class between kW and kWh billed customers			
MGS Class - billed on kWh basis	0.08%	0.0202%	Note 2
MGS Class - billed on kW basis	99.92%	26.0135%	Note 2
		26.0337%	

NC Retail Allocation Factor After the Purchase			
Total NC Retail 12 CP Firm Demand (Line 15)	6,647,439	62.81523%	
Total System with NCEMPA retained capacity (Line 36)	10,582,528		

Note 1: Excludes NCEMC Peaking Capacity
 Note 2: Allocated between kW and kWh billed customers using billing determinants. See Notes on Exhibit K-E.

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
COST OF CAPITAL, TAX RATES AND REGULATORY FEES

Line
No.

CALCULATION OF COST OF CAPITAL:

	Capitalization Ratio (Col A)	Approved Cost Rate (Col B)	Rate of Return (Col C)	Weighted Cost of Capital	
				After Tax (Col D)	Before Tax (Col E)
Cost of capital approved by the NCUC in Duke Energy Progress, LLC'S rate case docket No. E-2, Sub 1142 dated February 23, 2018:					
1	Long-term debt	48.00%	4.05%	1.9440%	1.9440%
2	Common stock equity	52.00%	9.90%	5.1480%	6.7000%
3	Total	100.00%		7.0920%	8.6440%

4	Discounted annual rate to convert monthly to annual compounding			6.4484%	8.3900%
5	Discounted monthly rate to convert monthly to annual compounding			0.5374%	0.6933%

Cost of capital approved by the NCUC in Duke Energy Progress, LLC'S rate case docket No. E-2, Sub 1219 dated April 16, 2021:

6	Long-term debt	48.00%	4.04%	1.9392%	1.9392%
7	Common stock equity	52.00%	9.60%	4.9920%	6.4900%
8	Total	100.00%		6.9312%	8.4292%

9	Discounted annual rate to convert monthly to annual compounding			6.2977%	8.1900%
10	Discounted monthly rate to convert monthly to annual compounding			0.5248%	0.6767%

Cost of capital approved by the NCUC in Duke Energy Progress, LLC'S last rate case docket No. E-2, Sub 1300 effective October 1, 2023:

11	Long-term debt	47.00%	4.03%	1.8941%	1.8941%
12	Common stock equity	53.00%	9.80%	5.1940%	6.7600%
13	Total	100.00%		7.0881%	8.6541%

14	Discounted annual rate to convert monthly to annual compounding			6.4555%	8.4000%
15	Discounted monthly rate to convert monthly to annual compounding			0.5380%	0.6941%

CALCULATION OF COMPOSITE INCOME TAX RATES:

	2020 forward Statutory Rate (Col A)	State Apportionment Factor (Col B)	Weighted Tax Rate (Col C)
16	Federal income tax rate	21.00%	21.00%
17	NC state income tax rate	2.500%	88.0000% 2.2000%
18	SC state income tax rate	5.000%	10.0000% 0.5000%
19	Weighted state income tax rate		2.7000%
20	Federal production tax deduction percentage		0.0000%
21	Total composite federal and state income tax rate		23.13%

NCUC REGULATORY FEE RATES:

	Rate (Col A)
22	January - June 2024
23	July - December 2024

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
BILLING DETERMINANTS FOR THE TWELVE MONTH PERIOD ENDING NOVEMBER 30, 2025

Line No.	Rate Class (Col A)	Schedule (Col B)	Billing Metric (Col C)	Billing Determinants (kWh) (Col D)	Billing Determinants (kW) (Col E)
1	Residential Class	RES	kWh Energy Units	14,617,665,597	
2	Residential Class	RES (EC)	kWh Energy Units	1,744,987,612	
3	Residential Class	R-TOU	kWh Energy Units	47,409,402	
4	Residential Class	R-TOU-CPP	kWh Energy Units	4,291,828	
5	Residential Class	R-TOU (EC)	kWh Energy Units	9,495,150	
6	Residential Class	R-TOUD	kWh Energy Units	246,524,856	
7	Residential Class	R-TOUD (EC)	kWh Energy Units	77,139,355	
8	Total Residential			(a) <u>16,747,513,800</u>	
9	SGS Class	SGS	kWh Energy Units	1,691,328,617	
10	SGS Class	SGS-TOU-CLR	kWh Energy Units	49,368,553	
11	SGS Class	SGS-TOU-CPP	kWh Energy Units	111,236	
12	SGS Class	SGS-TOUE	kWh Energy Units	24,349,030	
13	Total SGS			(a) <u>1,765,157,436</u>	
14	MGS Class	APH-TES	kW Demand Units		1,528
15	MGS Class	CH-TOUE	kWh Energy Units	7,598,271	
16	MGS Class	CSE	kWh Energy Units	331,931	
17	MGS Class	CSG	kWh Energy Units	1,618	
18	MGS Class	SGS-TES	kW Demand Units		55,285
19	MGS Class	MGS-TOU	kW Demand Units	(c)	10,622,193
20	MGS Class	MGS	kW Demand Units		16,382,114
21	Total MGS			(a) <u>7,931,820</u>	<u>27,061,120</u>
22	LGS Class	LGS	kW Demand Units		6,904,134
23	LGS Class	LGS-RTP-TOU	kW Demand Units		3,239,374
24	LGS Class	LGS-TOU	kW Demand Units		6,882,503
25	Total LGS			(a) <u>17,026,011</u>	
26	SI Class	SI	kWh Energy Units	(b) 39,007,523	
27	Outdoor Lighting Class	ALS	kWh Energy Units	263,753	
28	Outdoor Lighting Class	SLS	kWh Energy Units	45,038,492	
29	Outdoor Lighting Class	SLR	kWh Energy Units	9,956,832	
30	Outdoor Lighting Class	SFLS	kWh Energy Units	316,210,342	
31	Total Outdoor Lighting			<u>371,469,419</u>	
32	TSS Class	TFS	kWh Energy Units	206,536	
33	TSS Class	TSS	kWh Energy Units	3,932,897	
34	Total TSS			(b) <u>4,139,433</u>	
35	Total All Rates			<u>18,935,219,431</u>	<u>44,087,131</u>

Notes:

KWh sales for MGS-kWh billed	7,931,820	0.08%
KWh sales for MGS-kW billed	<u>10,190,755,588</u>	99.92%
Total MGS Class kWh Sales for the Year	<u>10,198,687,408</u>	

- (a) Source: Current sales forecast
- (b) Source: Monthly Query of Billing Determinants for the twelve month period ended March 31, 2024 from SAP system.
- (c) Rate schedule name changed from SGS-TOU to MGS-TOU during 2023. Balance disclosed is combined amount.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF JOINT AGENCY ASSET RIDER
(Thousands of Dollars)

Line No.	Description	Demand Allocation Factors To Customer Classes (e) (Col. A)	Rolling Recovery Factor as of Beginning of Year (Col. B)	Revenue Required NC Retail Amount Current Year (Col. C)	Revenue Collected NC Retail Amount Current Year (Col. D)	Revenue Under / (Over) Collected NC Retail Amount Current Year (Col. E) = C - D	Return on Deferred Balance Current Year (Col. F)	Rolling Recovery Factor as of End of Year (Col. G) =B + E + F	Demand KW (f) (Col. H)	Energy KWH (f) (Col. I)	Rate Rider (Col. J)
1	Rolling Recovery Factor as of 12/31/2022		\$ 23,300 (a)								
2	Revenue Requirement for Test Year Ended 12/31/2023			\$ 156,746 (b)							
3	Return on Rolling Recovery Factor for Test Year Ended 12/31/2023						\$ 876 (d)				
4	Total revenue for calculation of joint agency asset rider		<u>\$ 23,300</u>	<u>\$ 156,746</u>	<u>\$ 181,469</u> (c)	<u>\$ (24,723)</u>	<u>\$ 876</u>	<u>\$ (546)</u>			
Allocation of monthly revenue to customer classes:											
Customers billed based on kWh:											
5	Residential	50.4658%	\$ 25,352	\$ 79,103	\$ 98,416	\$ (19,313)	\$ 1,075	\$ 7,114		16,747,513,800	\$ 0.00042 per KWH
6	Small General Service	5.5595%	\$ 1,566	\$ 8,714	\$ 11,383	\$ (2,668)	\$ 30	\$ (1,073)		1,765,157,436	\$ (0.00061) per KWH
7	Medium General Service - kWh	0.0202%	\$ (9)	\$ 32	\$ 37	\$ (5)	\$ (1)	\$ (15)		7,931,820	\$ (0.00192) per KWH
8	Seasonal Intermittent	0.2364%	\$ 176	\$ 371	\$ 626	\$ (255)	\$ 9	\$ (70)		39,007,523	\$ (0.00180) per KWH
9	Outdoor Lighting	1.1370%	\$ -	\$ 1,782	\$ -	\$ 1,782	\$ 54	\$ 1,836		371,469,419	\$ 0.00494 per KWH
10	Traffic Signal	0.0075%	\$ 2	\$ 12	\$ 15	\$ (3)	\$ 0	\$ (0)		4,139,433	\$ (0.00010) per KWH
11		<u>57.4264%</u>	<u>\$ 27,087</u>	<u>\$ 90,014</u>	<u>\$ 110,476</u>	<u>\$ (20,463)</u>	<u>\$ 1,166</u>	<u>\$ 7,791</u>		<u>18,935,219,431</u>	
Customers billed based on KW:											
12	Medium General Service - KW	26.0135%	\$ (4,599)	\$ 40,775	\$ 47,036	\$ (6,260)	\$ (402)	\$ (11,262)	27,061,120		\$ (0.42) per KW
13	Large General Service	16.5601%	\$ 813	\$ 25,957	\$ 23,957	\$ 2,000	\$ 112	\$ 2,925	17,026,011		\$ 0.17 per KW
14		<u>42.5736%</u>	<u>\$ (3,787)</u>	<u>\$ 66,732</u>	<u>\$ 70,993</u>	<u>\$ (4,260)</u>	<u>\$ (290)</u>	<u>\$ (8,337)</u>	<u>44,087,131</u>		
15	Total	<u>100.0000%</u>	<u>\$ 23,300</u>	<u>\$ 156,746</u>	<u>\$ 181,469</u>	<u>\$ (24,723)</u>	<u>\$ 876</u>	<u>\$ (546)</u>			

Notes:

- (a) From Exhibit A-1-TU, Line 90, Column D.
- (b) From Exhibit B-TU, Line 9, Column M.
- (c) From Exhibit A-1-TU, Line 102, Column B.
- (d) From Exhibit A-1-TU, Line 102, Column G.
- (e) From Exhibit I-TU, Column D.
- (f) From Exhibit K-TU, Column D and Column E, Billing Determinants for the Twelve Month Period ending November 30, 2025.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:		June 2021 to September 2023		October 2023 forward	
		Composite Income	After-Tax Weighted Rate	Composite Income	After-Tax Weighted Rate
		<u>Tax Rate (a)</u>	<u>Rate of Return</u>	<u>Tax Rate (a)</u>	<u>Rate of Return</u>
1	Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)
2	Member's equity		4.9920% (b)		5.1940% (c)
3	After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>
4	Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>

		Revenue Requirement (d)	Revenue Collected (e)	Under (Over) Collection of Revenue (Col C) = A - B	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G
		(Col A)	(Col B)	(Col C)	(Col D)	(Col E)	(Col F)	(Col G)	(Col H)
90	January 2023	\$ 13,168	\$ 17,788	\$ (4,620)	\$ 23,300	\$ 17,911	\$ 94	\$ 122	\$ 18,803
91	February	\$ 14,972	\$ 14,516	\$ 456	\$ 18,803	\$ 14,454	\$ 76	\$ 99	\$ 19,357
92	March	\$ 13,948	\$ 13,960	\$ (12)	\$ 19,357	\$ 14,880	\$ 78	\$ 102	\$ 19,447
93	April	\$ 12,705	\$ 12,958	\$ (253)	\$ 19,447	\$ 14,949	\$ 78	\$ 102	\$ 19,296
94	May	\$ 12,596	\$ 12,193	\$ 403	\$ 19,296	\$ 14,832	\$ 78	\$ 101	\$ 19,800
95	June	\$ 12,894	\$ 14,214	\$ (1,320)	\$ 19,800	\$ 15,220	\$ 80	\$ 104	\$ 18,584
96	July	\$ 12,194	\$ 17,036	\$ (4,842)	\$ 18,584	\$ 14,286	\$ 75	\$ 98	\$ 13,840
97	August	\$ 12,513	\$ 18,669	\$ (6,156)	\$ 13,840	\$ 10,639	\$ 56	\$ 73	\$ 7,757
98	September	\$ 12,739	\$ 17,769	\$ (5,030)	\$ 7,757	\$ 5,962	\$ 31	\$ 41	\$ 2,767
99	October	\$ 12,345	\$ 13,094	\$ (750)	\$ 2,767	\$ 2,127	\$ 11	\$ 15	\$ 2,033
100	November	\$ 13,786	\$ 14,003	\$ (217)	\$ 2,033	\$ 1,563	\$ 8	\$ 11	\$ 1,827
101	December	\$ 12,886	\$ 15,269	\$ (2,383)	\$ 1,827	\$ 1,404	\$ 8	\$ 10	\$ (546)
102	Total for Test Year	\$ 156,746	\$ 181,469	\$ (24,723)				<u>876</u>	

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit B-TU, Line 9.
- (e) From SAP Joint Agency Asset Report.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
RESIDENTIAL CUSTOMER CLASS
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:

		June 2021 to September 2023		October 2023 forward	
		Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return	Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return
1	Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)
2	Member's equity		4.9920% (b)		5.1940% (c)
3	After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>
4	Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>
5	Demand allocation factor				<u>50.4658% (d)</u>

		Revenue Requirement (e) (Col A)	Revenue Collected (f) (Col B)	Under (Over) Collection of Revenue (Col C) = A - B	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G
67	January 2023	\$ 6,645	\$ 10,827	\$ (4,182)	\$ 25,352	\$ 19,488	\$ 102	\$ 133	\$ 21,303
68	February	\$ 7,556	\$ 8,391	\$ (836)	\$ 21,303	\$ 16,376	\$ 86	\$ 112	\$ 20,579
69	March	\$ 7,039	\$ 7,504	\$ (465)	\$ 20,579	\$ 15,819	\$ 83	\$ 108	\$ 20,222
70	April	\$ 6,412	\$ 6,782	\$ (371)	\$ 20,222	\$ 15,545	\$ 82	\$ 106	\$ 19,958
71	May	\$ 6,357	\$ 6,019	\$ 338	\$ 19,958	\$ 15,342	\$ 81	\$ 105	\$ 20,400
72	June	\$ 6,507	\$ 7,220	\$ (713)	\$ 20,400	\$ 15,682	\$ 82	\$ 107	\$ 19,794
73	July	\$ 6,154	\$ 9,525	\$ (3,371)	\$ 19,794	\$ 15,216	\$ 80	\$ 104	\$ 16,527
74	August	\$ 6,315	\$ 10,575	\$ (4,260)	\$ 16,527	\$ 12,705	\$ 67	\$ 87	\$ 12,354
75	September	\$ 6,429	\$ 9,743	\$ (3,315)	\$ 12,354	\$ 9,497	\$ 50	\$ 65	\$ 9,104
76	October	\$ 6,230	\$ 6,404	\$ (174)	\$ 9,104	\$ 6,998	\$ 38	\$ 49	\$ 8,979
77	November	\$ 6,957	\$ 6,442	\$ 515	\$ 8,979	\$ 6,903	\$ 37	\$ 48	\$ 9,543
78	December	\$ 6,503	\$ 8,983	\$ (2,480)	\$ 9,543	\$ 7,335	\$ 39	\$ 51	\$ 7,114
79	Total	<u>\$ 79,103</u>	<u>\$ 98,416</u>	<u>\$ (19,313)</u>				<u>\$ 1,075</u>	

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit I-TU, Column D, Line 1.
- (e) From Exhibit B-TU, Line 9 x Demand allocation factor in Line 5 above.
- (f) From SAP Joint Agency Asset Report.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
SMALL GENERAL SERVICE
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:		June 2021 to September 2023		October 2023 forward	
		Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return Rate of Return	Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return Rate of Return
1	Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)
2	Member's equity		4.9920% (b)		5.1940% (c)
3	After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>
4	Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>
5	Demand allocation factor				<u>5.5595% (d)</u>

	Revenue Requirement (e) (Col A)	Revenue Collected (f) (Col B)	Under (Over) Collection of Revenue (Col C) = A - B	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G	
67	January 2023	\$ 732	\$ 1,061	\$ (329)	\$ 1,566	\$ 1,204	\$ 6	\$ 8	\$ 1,245
68	February	\$ 832	\$ 878	\$ (46)	\$ 1,245	\$ 957	\$ 5	\$ 7	\$ 1,206
69	March	\$ 775	\$ 864	\$ (89)	\$ 1,206	\$ 927	\$ 5	\$ 6	\$ 1,123
70	April	\$ 706	\$ 784	\$ (77)	\$ 1,123	\$ 863	\$ 5	\$ 6	\$ 1,052
71	May	\$ 700	\$ 812	\$ (111)	\$ 1,052	\$ 808	\$ 4	\$ 6	\$ 946
72	June	\$ 717	\$ 914	\$ (197)	\$ 946	\$ 727	\$ 4	\$ 5	\$ 754
73	July	\$ 678	\$ 1,087	\$ (409)	\$ 754	\$ 579	\$ 3	\$ 4	\$ 349
74	August	\$ 696	\$ 1,226	\$ (530)	\$ 349	\$ 268	\$ 1	\$ 2	\$ (180)
75	September	\$ 708	\$ 1,168	\$ (460)	\$ (180)	\$ (138)	\$ (1)	\$ (1)	\$ (641)
76	October	\$ 686	\$ 866	\$ (180)	\$ (641)	\$ (493)	\$ (3)	\$ (3)	\$ (824)
77	November	\$ 766	\$ 793	\$ (26)	\$ (824)	\$ (633)	\$ (3)	\$ (4)	\$ (855)
78	December	\$ 716	\$ 930	\$ (214)	\$ (855)	\$ (657)	\$ (4)	\$ (5)	\$ (1,073)
79	Total	\$ 8,714	\$ 11,383	\$ (2,668)			\$ 30		

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit I-TU, Column D, Line 2.
- (e) From Exhibit B-TU, Line 9 x Demand allocation factor in Line 5 above.
- (f) From SAP Joint Agency Asset Report.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
MEDIUM GENERAL SERVICE - kWh BILLED
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:		June 2021 to September 2023		October 2023 forward						
		Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return	Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G
1	Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)					
2	Member's equity		4.9920% (b)		5.1940% (c)					
3	After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>					
4	Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>					
5	Demand allocation factor				<u>0.0202% (d)</u>					
67	January 2023	\$ 3	\$ 5	\$ (2)	\$ (9)	\$ (7)	\$ (0)	\$ (0)	\$ (12)	
68	February	\$ 3	\$ 4	\$ (1)	\$ (12)	\$ (9)	\$ (0)	\$ (0)	\$ (12)	
69	March	\$ 3	\$ 3	\$ (0)	\$ (12)	\$ (10)	\$ (0)	\$ (0)	\$ (13)	
70	April	\$ 3	\$ 2	\$ 0	\$ (13)	\$ (10)	\$ (0)	\$ (0)	\$ (12)	
71	May	\$ 3	\$ 3	\$ (0)	\$ (12)	\$ (9)	\$ (0)	\$ (0)	\$ (13)	
72	June	\$ 3	\$ 2	\$ 0	\$ (13)	\$ (10)	\$ (0)	\$ (0)	\$ (12)	
73	July	\$ 2	\$ 4	\$ (1)	\$ (12)	\$ (10)	\$ (0)	\$ (0)	\$ (14)	
74	August	\$ 3	\$ 4	\$ (2)	\$ (14)	\$ (10)	\$ (0)	\$ (0)	\$ (15)	
75	September	\$ 3	\$ 4	\$ (1)	\$ (15)	\$ (12)	\$ (0)	\$ (0)	\$ (17)	
76	October	\$ 2	\$ 2	\$ 0	\$ (17)	\$ (13)	\$ (0)	\$ (0)	\$ (16)	
77	November	\$ 3	\$ 2	\$ 1	\$ (16)	\$ (13)	\$ (0)	\$ (0)	\$ (15)	
78	December	\$ 3	\$ 2	\$ 0	\$ (15)	\$ (12)	\$ (0)	\$ (0)	\$ (15)	
79	Total	<u>32</u>	<u>37</u>	<u>(5)</u>				<u>(1)</u>		

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit I-TU, Column D, Line 13.
- (e) From Exhibit B-TU, Line 9 x Demand allocation factor in Line 5 above.
- (f) From SAP Joint Agency Asset Report.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
SEASONAL INTERMITTENT
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:		June 2021 to September 2023		October 2023 forward	
		Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return	Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return
1	Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)
2	Member's equity		4.9920% (b)		5.1940% (c)
3	After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>
4	Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>
5	Demand allocation factor				<u>0.2364% (d)</u>

	Revenue Requirement (e) (Col A)	Revenue Collected (f) (Col B)	Under (Over) Collection of Revenue (Col C) = A - B	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G
67	January 2023	\$ 31	\$ 32	\$ (1)	\$ 176	\$ 136	\$ 1	\$ 176
68	February	\$ 35	\$ 20	\$ 15	\$ 176	\$ 135	\$ 1	\$ 192
69	March	\$ 33	\$ 21	\$ 12	\$ 192	\$ 147	\$ 1	\$ 205
70	April	\$ 30	\$ 6	\$ 24	\$ 205	\$ 157	\$ 1	\$ 230
71	May	\$ 30	\$ 34	\$ (4)	\$ 230	\$ 176	\$ 1	\$ 226
72	June	\$ 30	\$ 34	\$ (3)	\$ 226	\$ 174	\$ 1	\$ 224
73	July	\$ 29	\$ 38	\$ (10)	\$ 224	\$ 172	\$ 1	\$ 216
74	August	\$ 30	\$ 103	\$ (73)	\$ 216	\$ 166	\$ 1	\$ 144
75	September	\$ 30	\$ 159	\$ (129)	\$ 144	\$ 111	\$ 1	\$ 15
76	October	\$ 29	\$ 99	\$ (69)	\$ 15	\$ 12	\$ 0	\$ (54)
77	November	\$ 33	\$ 51	\$ (18)	\$ (54)	\$ (41)	\$ (0)	\$ (73)
78	December	\$ 30	\$ 28	\$ 3	\$ (73)	\$ (56)	\$ (0)	\$ (70)
79	Total	\$ 371	\$ 626	\$ (255)			\$ 9	

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit I-TU, Column D, Line 4.
- (e) From Exhibit B-TU, Line 9 x Demand allocation factor in Line 5 above.
- (f) From SAP Joint Agency Asset Report.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
TRAFFIC SIGNAL
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:		June 2021 to September 2023		October 2023 forward	
		Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return (b)	Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return (c)
1	Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)
2	Member's equity		4.9920% (b)		5.1940% (c)
3	After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>
4	Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>
5	Demand allocation factor				<u>0.0075% (d)</u>

	Revenue Requirement (e) (Col A)	Revenue Collected (f) (Col B)	Under (Over) Collection of Revenue (Col C) = A - B	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G
67	January 2023	\$ 1	\$ 1	\$ (0)	\$ 2	\$ 2	\$ 0	\$ 0
68	February	\$ 1	\$ 1	\$ (0)	\$ 2	\$ 2	\$ 0	\$ 0
69	March	\$ 1	\$ 1	\$ (0)	\$ 2	\$ 2	\$ 0	\$ 0
70	April	\$ 1	\$ 1	\$ (0)	\$ 2	\$ 2	\$ 0	\$ 0
71	May	\$ 1	\$ 1	\$ (0)	\$ 2	\$ 1	\$ 0	\$ 1
72	June	\$ 1	\$ 1	\$ (0)	\$ 1	\$ 1	\$ 0	\$ 1
73	July	\$ 1	\$ 1	\$ (0)	\$ 1	\$ 1	\$ 0	\$ 1
74	August	\$ 1	\$ 1	\$ (0)	\$ 1	\$ 1	\$ 0	\$ 1
75	September	\$ 1	\$ 1	\$ (0)	\$ 1	\$ 0	\$ 0	\$ 0
76	October	\$ 1	\$ 1	\$ (0)	\$ 0	\$ 0	\$ 0	\$ 0
77	November	\$ 1	\$ 1	\$ (0)	\$ 0	\$ 0	\$ 0	\$ (0)
78	December	\$ 1	\$ 1	\$ (0)	\$ (0)	\$ (0)	\$ (0)	\$ (0)
79	Total	<u>\$ 12</u>	<u>\$ 15</u>	<u>\$ (3)</u>			<u>\$ 0</u>	

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit I-TU, Column D, Line 6.
- (e) From Exhibit B-TU, Line 9 x Demand allocation factor in Line 5 above.
- (f) From SAP Joint Agency Asset Report.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
OUTDOOR LIGHTING
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:

	June 2021 to September 2023		October 2023 forward	
	Composite Income <u>Tax Rate (a)</u>	After-Tax Weighted Rate <u>Rate of Return</u>	Composite Income <u>Tax Rate (a)</u>	After-Tax Weighted Rate <u>Rate of Return</u>
1 Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)
2 Member's equity		4.9920% (b)		5.1940% (c)
3 After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>
4 Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>
5 Demand allocation factor				<u>1.1370% (d)</u>

	Revenue Requirement (e) (Col A)	Revenue Collected (f) (Col B)	Under (Over) Collection of Revenue (Col C) = A - B	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G
67 January 2023	\$ 150	\$ -	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ 150
68 February	\$ 170	\$ -	\$ 170	\$ 150	\$ 115	\$ 1	\$ 1	\$ 321
69 March	\$ 159	\$ -	\$ 159	\$ 321	\$ 247	\$ 1	\$ 2	\$ 481
70 April	\$ 144	\$ -	\$ 144	\$ 481	\$ 370	\$ 2	\$ 3	\$ 628
71 May	\$ 143	\$ -	\$ 143	\$ 628	\$ 483	\$ 3	\$ 3	\$ 774
72 June	\$ 147	\$ -	\$ 147	\$ 774	\$ 595	\$ 3	\$ 4	\$ 925
73 July	\$ 139	\$ -	\$ 139	\$ 925	\$ 711	\$ 4	\$ 5	\$ 1,069
74 August	\$ 142	\$ -	\$ 142	\$ 1,069	\$ 821	\$ 4	\$ 6	\$ 1,217
75 September	\$ 145	\$ -	\$ 145	\$ 1,217	\$ 935	\$ 5	\$ 6	\$ 1,368
76 October	\$ 140	\$ -	\$ 140	\$ 1,368	\$ 1,051	\$ 6	\$ 7	\$ 1,515
77 November	\$ 157	\$ -	\$ 157	\$ 1,515	\$ 1,165	\$ 6	\$ 8	\$ 1,680
78 December	\$ 147	\$ -	\$ 147	\$ 1,680	\$ 1,292	\$ 7	\$ 9	\$ 1,836
79 Total	\$ 1,782	\$ -	\$ 1,782				\$ 54	

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit I-TU, Column D, Line 7.
- (e) From Exhibit B-TU, Line 9 x Demand allocation factor in Line 5 above.
- (f) From SAP Joint Agency Asset Report.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
MEDIUM GENERAL SERVICE - KW BILLED
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:		June 2021 to September 2023		October 2023 forward	
		Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return	Composite Income Tax Rate (a)	After-Tax Weighted Rate Rate of Return
1	Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)
2	Member's equity		4.9920% (b)		5.1940% (c)
3	After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>
4	Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>
5	Demand allocation factor				<u>26.0135% (d)</u>

	Revenue Requirement (e) (Col A)	Revenue Collected (f) (Col B)	Under (Over) Collection of Revenue (Col C) = A - B	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G	
67	January 2023	\$ 3,425	\$ 3,805	\$ (380)	\$ (4,599)	\$ (3,535)	\$ (19)	\$ (24)	\$ (5,003)
68	February	\$ 3,895	\$ 3,293	\$ 602	\$ (5,003)	\$ (3,846)	\$ (20)	\$ (26)	\$ (4,428)
69	March	\$ 3,628	\$ 3,649	\$ (21)	\$ (4,428)	\$ (3,404)	\$ (18)	\$ (23)	\$ (4,472)
70	April	\$ 3,305	\$ 3,488	\$ (183)	\$ (4,472)	\$ (3,438)	\$ (18)	\$ (23)	\$ (4,678)
71	May	\$ 3,277	\$ 3,450	\$ (173)	\$ (4,678)	\$ (3,596)	\$ (19)	\$ (25)	\$ (4,876)
72	June	\$ 3,354	\$ 3,875	\$ (521)	\$ (4,876)	\$ (3,748)	\$ (20)	\$ (26)	\$ (5,423)
73	July	\$ 3,172	\$ 4,237	\$ (1,065)	\$ (5,423)	\$ (4,168)	\$ (22)	\$ (28)	\$ (6,516)
74	August	\$ 3,255	\$ 4,298	\$ (1,043)	\$ (6,516)	\$ (5,009)	\$ (26)	\$ (34)	\$ (7,594)
75	September	\$ 3,314	\$ 4,336	\$ (1,022)	\$ (7,594)	\$ (5,837)	\$ (31)	\$ (40)	\$ (8,656)
76	October	\$ 3,211	\$ 3,655	\$ (444)	\$ (8,656)	\$ (6,654)	\$ (36)	\$ (47)	\$ (9,146)
77	November	\$ 3,586	\$ 4,964	\$ (1,378)	\$ (9,146)	\$ (7,030)	\$ (38)	\$ (49)	\$ (10,573)
78	December	\$ 3,352	\$ 3,984	\$ (632)	\$ (10,573)	\$ (8,127)	\$ (44)	\$ (57)	\$ (11,262)
79	Total	\$ 40,775	\$ 47,036	\$ (6,260)			\$ (402)		

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit I-TU, Column D, Line 14.
- (e) From Exhibit B-TU, Line 9 x Demand allocation factor in Line 5 above.
- (f) From SAP Joint Agency Asset Report.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
JOINT AGENCY ASSET RIDER ROLLING RECOVERY FACTOR
LARGE GENERAL SERVICE CUSTOMER CLASS
(Thousands of Dollars)

Line
No.

Calculation of monthly rate of return:

	June 2021 to September 2023		October 2023 forward	
	Composite Income <u>Tax Rate (a)</u>	After-Tax Weighted Rate <u>Rate of Return</u>	Composite Income <u>Tax Rate (a)</u>	After-Tax Weighted Rate <u>Rate of Return</u>
1 Long-term debt	23.1300%	1.4907% (b)	23.1300%	1.4560% (c)
2 Member's equity		4.9920% (b)		5.1940% (c)
3 After-tax overall return		<u>6.4827% (b)</u>		<u>6.6500% (c)</u>
4 Discounted monthly after-tax overall return		<u>0.5248% (b)</u>		<u>0.5380% (c)</u>
5 Demand allocation factor				<u>16.5601% (d)</u>

	Revenue Requirement (e) (Col A)	Revenue Collected (f) (Col B)	Under (Over) Collection of Revenue (Col C) = A - B	Beginning Deferred Balance (Col D)	Net of Tax Deferral Balance For Return (Col E)	Net of Tax Return on Deferred Balance (Col F)	Gross Up of Return on Deferred Balance (Col G)	Ending Deferred Balance (Col H) = C + D + G
67 January 2023	\$ 2,181	\$ 2,056	\$ 125	\$ 813	\$ 625	\$ 3	\$ 4	\$ 942
68 February	\$ 2,479	\$ 1,928	\$ 551	\$ 942	\$ 724	\$ 4	\$ 5	\$ 1,498
69 March	\$ 2,310	\$ 1,917	\$ 393	\$ 1,498	\$ 1,151	\$ 6	\$ 8	\$ 1,898
70 April	\$ 2,104	\$ 1,895	\$ 209	\$ 1,898	\$ 1,459	\$ 8	\$ 10	\$ 2,117
71 May	\$ 2,086	\$ 1,874	\$ 212	\$ 2,117	\$ 1,628	\$ 9	\$ 11	\$ 2,340
72 June	\$ 2,135	\$ 2,167	\$ (32)	\$ 2,340	\$ 1,799	\$ 9	\$ 12	\$ 2,321
73 July	\$ 2,019	\$ 2,144	\$ (125)	\$ 2,321	\$ 1,784	\$ 9	\$ 12	\$ 2,208
74 August	\$ 2,072	\$ 2,461	\$ (389)	\$ 2,208	\$ 1,697	\$ 9	\$ 12	\$ 1,831
75 September	\$ 2,110	\$ 2,357	\$ (248)	\$ 1,831	\$ 1,407	\$ 7	\$ 10	\$ 1,593
76 October	\$ 2,044	\$ 2,067	\$ (23)	\$ 1,593	\$ 1,224	\$ 7	\$ 9	\$ 1,578
77 November	\$ 2,283	\$ 1,750	\$ 533	\$ 1,578	\$ 1,213	\$ 7	\$ 8	\$ 2,120
78 December	\$ 2,134	\$ 1,340	\$ 794	\$ 2,120	\$ 1,629	\$ 9	\$ 11	\$ 2,925
79 Total	\$ 25,957	\$ 23,957	\$ 2,000				\$ 112	

Notes:

- (a) From Exhibit J-TU, Column C, Line 21.
- (b) From Exhibit J-TU, Column D, Lines 6 - 8 and Line 10.
- (c) From Exhibit J-TU, Column D, Lines 11 - 13 and Line 15.
- (d) From Exhibit I-TU, Column D, Line 5.
- (e) From Exhibit B-TU, Line 9 x Demand allocation factor in Line 5 above.
- (f) From SAP Joint Agency Asset Report.

EXHIBIT B - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
COST COMPONENTS OF JOINT AGENCY ASSET RIDER
CALCULATION OF NC RETAIL NCEMPA RIDER REVENUE for TEST YEAR ENDED DECEMBER 31, 2023
(Thousands of Dollars)

Line No.	Description	For the Month												Year-to-Date
		January NC Retail Revenue Amount (Col A)	February NC Retail Revenue Amount (Col B)	March NC Retail Revenue Amount (Col C)	April NC Retail Revenue Amount (Col D)	May NC Retail Revenue Amount (Col E)	June NC Retail Revenue Amount (Col F)	July NC Retail Revenue Amount (Col G)	August NC Retail Revenue Amount (Col H)	September NC Retail Revenue Amount (Col I)	October NC Retail Revenue Amount (Col J)	November NC Retail Revenue Amount (Col K)	December NC Retail Revenue Amount (Col L)	Total NC Retail Revenue Amount (Col M)
1	Levelized recovery of pre-tax cost of certain acquisition costs at the purchase date	\$ 4,665	\$ 4,665	\$ 4,664	\$ 4,664	\$ 4,664	\$ 4,664	\$ 4,664	\$ 4,663	\$ 4,733	\$ 4,732	\$ 4,730	\$ 56,172 (a)	
2	Incremental pre-tax cost for acquisition costs not included in the levelization of costs	\$ 617	\$ 661	\$ 671	\$ 672	\$ 671	\$ 668	\$ 667	\$ 664	\$ 660	\$ 676	\$ 672	\$ 7,966 (b)	
3	Incremental pre-tax cost for financing and operating costs related to capital additions since the purchase date	\$ 1,855	\$ 1,877	\$ 1,925	\$ 1,952	\$ 1,968	\$ 1,983	\$ 1,996	\$ 2,007	\$ 2,016	\$ 2,163	\$ 2,179	\$ 24,122 (c)	
4	Incremental pre-tax cost for operating costs on acquired assets	\$ 6,013	\$ 7,748	\$ 6,669	\$ 5,399	\$ 5,276	\$ 5,561	\$ 4,849	\$ 5,160	\$ 5,380	\$ 4,754	\$ 6,183	\$ 68,261 (d)	
5	Pre-tax cost of service change from re-apportionment of system costs due to the NCEMPA asset purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - (e)	
6	Pre-tax cost increment (decrement) for amortization of deferred costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - (f)	
7	Total pre-tax cost for joint agency asset rider (Sum of Line 1 - Line 6)	\$ 13,149	\$ 14,951	\$ 13,929	\$ 12,687	\$ 12,579	\$ 12,876	\$ 12,176	\$ 12,494	\$ 12,720	\$ 12,326	\$ 13,766	\$ 156,521	
8	Regulatory fee (Line 7 / (1 - (g)) x (g))	\$ 18	\$ 21	\$ 20	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 19	\$ 18	\$ 20	\$ 225 (g)	
9	Total actual revenue for calculation of joint agency asset rider (Line 7 + Line 8)	\$ 13,168	\$ 14,972	\$ 13,948	\$ 12,705	\$ 12,596	\$ 12,894	\$ 12,194	\$ 12,513	\$ 12,739	\$ 12,345	\$ 13,786	\$ 156,746	

Notes:

- (a) From Exhibit C-TU, Line 24
- (b) From Exhibit D-TU, Line 11
- (c) From Exhibit E-TU, Line 14
- (d) From Exhibit F-TU, Line 15
- (e) No longer applicable.
- (f) No longer applicable.
- (g) From Exhibit J-TU, Lines 22 and 23: NCUC regulatory fee rates:
January - June 0.1400%
July - December 0.1475%

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
SUMMARY OF REVENUE ASSOCIATED WITH LEVELIZED RECOVERY OF INCREMENTAL COSTS TO BE INCLUDED
IN THE JOINT AGENCY PURCHASE RIDER for TEST YEAR ENDED DECEMBER 31, 2023
(Thousands of Dollars)

Line No.	Description	For the Month												Year to Date
		January NC Retail Revenue Amount (Col A)	February NC Retail Revenue Amount (Col B)	March NC Retail Revenue Amount (Col C)	April NC Retail Revenue Amount (Col D)	May NC Retail Revenue Amount (Col E)	June NC Retail Revenue Amount (Col F)	July NC Retail Revenue Amount (Col G)	August NC Retail Revenue Amount (Col H)	September NC Retail Revenue Amount (Col I)	October NC Retail Revenue Amount (Col J)	November NC Retail Revenue Amount (Col K)	December NC Retail Revenue Amount (Col L)	Total NC Retail Revenue Amount (Col M)
1	Revenue related to purchase of the Harris Nuclear Unit 1													
2	Levelized Revenue	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 1,687	\$ 20,247 (a)
3	Change in Revenue Requirement - Actual vs. Estimated	(0)	(0)	(0)	(0)	(1)	(1)	(1)	(1)	(1)	27	26	26	\$ 74 (b)
3	Total Harris Nuclear Unit 1 (Line 2 + Line 3)	1,687	1,687	1,687	1,687	1,687	1,687	1,687	1,687	1,687	1,714	1,714	1,713	20,321
4	Revenue related to purchase of the Brunswick Nuclear Unit 1													
5	Levelized Revenue	496	496	496	496	496	496	496	496	496	496	496	496	\$ 5,951 (c)
6	Change in Revenue Requirement - Actual vs. Estimated	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	6	6	6	17 (d)
7	Total Brunswick Nuclear Unit 1 (Line 5 + Line 6)	496	496	496	496	496	496	496	496	496	502	502	502	\$ 5,968
8	Revenue related to purchase of the Brunswick Nuclear Unit 2													
9	Levelized Revenue	494	494	494	494	494	494	494	494	494	494	494	494	\$ 5,930 (e)
10	Change in Revenue Requirement - Actual vs. Estimated	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	6	6	5	15 (f)
11	Total Brunswick Nuclear Unit 2 (Line 9 + Line 10)	494	494	494	494	494	494	494	494	494	500	500	500	5,946
12	Revenue related to purchase of the Mayo Coal Unit													
13	Levelized Revenue	403	403	403	403	403	403	403	403	403	403	403	403	\$ 4,835 (g)
14	Change in Revenue Requirement - Actual vs. Estimated	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	6	5	5	16 (h)
15	Total Mayo Coal Unit (Line 13 + Line 14)	403	403	403	403	403	403	403	403	403	409	408	408	\$ 4,851
16	Revenue related to purchase of the Roxboro Coal Unit													
17	Levelized Revenue	47	47	47	47	47	47	47	47	47	47	47	47	\$ 564 (i)
18	Change in Revenue Requirement - Actual vs. Estimated	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	1	1	1	4 (j)
19	Total Roxboro Coal Unit (Line 17 + Line 18)	47	47	47	47	47	47	47	47	47	48	48	48	\$ 567
20	Revenue related to the Acquisition costs above net book value for the above plants													
21	Levelized Revenue	1,526	1,526	1,526	1,526	1,526	1,526	1,526	1,526	1,526	1,526	1,526	1,526	\$ 18,310 (k)
22	Change in Revenue Requirement - Actual vs. Estimated	12	12	12	12	12	12	12	11	11	35	35	33	209 (l)
23	Total Acquisition costs above net book value for above plants (Line 21 + Line 22)	\$ 1,538	\$ 1,538	\$ 1,538	\$ 1,538	\$ 1,538	\$ 1,538	\$ 1,537	\$ 1,537	\$ 1,537	\$ 1,561	\$ 1,561	\$ 1,558	\$ 18,519
24	Total monthly levelized revenue (Line 3 + Line 7 + Line 11 + Line 15 + Line 19 + Line 23)	\$ 4,665	\$ 4,665	\$ 4,664	\$ 4,664	\$ 4,664	\$ 4,664	\$ 4,664	\$ 4,664	\$ 4,663	\$ 4,733	\$ 4,732	\$ 4,730	\$ 56,172

- Notes:
- (a) From Exhibit C1-Actual-TU, Col M.
 - (b) From Exhibit C1-Actual-TU, Col O.
 - (c) From Exhibit C2-Actual-TU, Col M.
 - (d) From Exhibit C2-Actual-TU, Col O.
 - (e) From Exhibit C3-Actual-TU, Col M.
 - (f) From Exhibit C3-Actual-TU, Col O.
 - (g) From Exhibit C4-Actual-TU, Col M.
 - (h) From Exhibit C4-Actual-TU, Col O.
 - (i) From Exhibit C5-Actual-TU, Col M.
 - (j) From Exhibit C5-Actual-TU, Col O.
 - (k) From Exhibit C6-Actual-TU, Col M.
 - (l) From Exhibit C6-Actual-TU, Col O.

EXHIBIT C-1-Estimate-TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMFA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE HARRIS NUCLEAR PLANT - ESTIMATE
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	ESTIMATE	REVISIONS FOR 2021
ASSUMPTIONS:		
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 895,848 (a)	
LAND COST AT July 31, 2015	\$ 10,269 (a)	
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 500,188 (a)	
NET PLANT EXCLUDING ACQUISITION COSTS	\$405,929	
RETIREMENT DATE	10/24/2046 (a)	
LEVELIZATION PERIOD IN MONTHS	375 (a)	
TAX LIFE	15 (a)	
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)
AFTER-TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)
DEPRECIATION RATE	1.5349% (a)	
FIRST YEAR BOOK DEPRECIATION RATE	0.6395%	
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)
NC RETAIL ALLOCATION FACTOR	61.57749% (b)	

REVISIONS BASED ON 2020 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (e) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST (Col I)	EQUITY (Col J)							
Beg Balance July 31, 2015	\$ 244,678																
2015	\$ 241,130	5.000%	\$ 11,924	\$ 8,377	\$ 2,945	\$ 2,945	\$ 3,548	\$ 241,431	\$ 2,161	\$ 5,438	\$ 2,949	\$ 14,096		\$ 9,585	\$ 4,511	\$ 4,586	
2016	\$ 232,590	5.500%	\$ 22,778	\$ 14,238	\$ 4,925	\$ 7,870	\$ 8,540	\$ 231,452	\$ 4,971	\$ 12,512	\$ 6,617	\$ 32,641		\$ 22,272	\$ 10,369	\$ 15,655	
2017	\$ 223,777	8.550%	\$ 20,750	\$ 11,936	\$ 249	\$ 8,119	\$ 8,813	\$ 218,467	\$ 4,692	\$ 11,810	\$ 6,087	\$ 31,403		\$ 22,179	\$ 9,224	\$ 26,290	
2018	\$ 215,998	7.700%	\$ 18,745	\$ 10,966	\$ 2,577	\$ 10,696	\$ 7,779	\$ 210,479	\$ 4,183	\$ 10,951	\$ 3,364	\$ 26,276		\$ 20,565	\$ 5,711	\$ 33,963	
2019	\$ 203,219	6.850%	\$ 16,657	\$ 9,807	\$ 2,057	\$ 12,753	\$ 7,792	\$ 200,383	\$ 3,895	\$ 10,319	\$ 3,174	\$ 25,101		\$ 20,547	\$ 4,554	\$ 40,949	
2020	\$ 200,440	6.230%	\$ 15,179	\$ 7,400	\$ 1,712	\$ 14,465	\$ 7,779	\$ 190,720	\$ 3,708	\$ 9,818	\$ 2,954	\$ 24,259		\$ 20,547	\$ 3,712	\$ 47,517	
2021	\$ 192,654	5.900%	\$ 14,375	\$ 6,588	\$ 1,524	\$ 15,989	\$ 7,786	\$ 181,320	\$ 3,520	\$ 9,171	\$ 2,760	\$ 23,327	\$ 21,860				
2022	\$ 184,862	5.900%	\$ 14,375	\$ 6,583	\$ 1,523	\$ 17,511	\$ 7,792	\$ 172,008	\$ 3,336	\$ 8,587	\$ 2,584	\$ 22,298	\$ 19,734				
2023	January	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 17,639	\$ 649	\$ 166,962	\$ 270	\$ 695	\$ 209	\$ 1,823					
February	\$ 183,563	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 17,766	\$ 649	\$ 166,186	\$ 269	\$ 691	\$ 208	\$ 1,817					
March	\$ 182,914	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 17,894	\$ 649	\$ 165,409	\$ 267	\$ 688	\$ 207	\$ 1,812					
April	\$ 182,265	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 18,021	\$ 649	\$ 164,632	\$ 266	\$ 685	\$ 206	\$ 1,806					
May	\$ 181,615	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 18,148	\$ 649	\$ 163,856	\$ 265	\$ 682	\$ 205	\$ 1,801					
June	\$ 180,966	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 18,276	\$ 649	\$ 163,079	\$ 264	\$ 678	\$ 204	\$ 1,795					
July	\$ 180,317	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 18,403	\$ 649	\$ 162,302	\$ 262	\$ 675	\$ 203	\$ 1,790					
August	\$ 179,668	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 18,530	\$ 649	\$ 161,526	\$ 261	\$ 672	\$ 202	\$ 1,784					
September	\$ 179,018	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 18,658	\$ 649	\$ 160,749	\$ 260	\$ 669	\$ 201	\$ 1,779					
October	\$ 178,369	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 18,785	\$ 649	\$ 159,972	\$ 259	\$ 665	\$ 200	\$ 1,774					
November	\$ 177,720	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 18,912	\$ 649	\$ 159,196	\$ 257	\$ 662	\$ 199	\$ 1,768					
December	\$ 177,070	5.910%	\$ 1,200	\$ 551	\$ 127	\$ 19,040	\$ 649	\$ 158,419	\$ 256	\$ 659	\$ 198	\$ 1,763					
2023	\$ 177,070	5.910%	\$ 14,399	\$ 6,607	\$ 1,528	\$ 19,040	\$ 7,792	\$ 162,691	\$ 3,155	\$ 8,122	\$ 2,444	\$ 21,512	\$ 17,910				
2024	\$ 169,279	5.900%	\$ 14,375	\$ 6,583	\$ 1,523	\$ 20,562	\$ 7,792	\$ 153,373	\$ 2,974	\$ 7,656	\$ 2,304	\$ 20,726	\$ 16,234				
2025	\$ 161,487	5.910%	\$ 14,399	\$ 6,607	\$ 1,528	\$ 22,091	\$ 7,792	\$ 144,056	\$ 2,794	\$ 7,191	\$ 2,164	\$ 19,940	\$ 14,693				
2026	\$ 153,695	5.900%	\$ 14,375	\$ 6,583	\$ 1,523	\$ 23,613	\$ 7,792	\$ 134,739	\$ 2,613	\$ 6,726	\$ 2,024	\$ 19,155	\$ 13,278				
2027	\$ 145,903	5.910%	\$ 14,399	\$ 6,607	\$ 1,528	\$ 25,142	\$ 7,792	\$ 125,422	\$ 2,432	\$ 6,261	\$ 1,884	\$ 18,369	\$ 11,979				
2028	\$ 138,112	5.900%	\$ 14,375	\$ 6,583	\$ 1,523	\$ 26,664	\$ 7,792	\$ 116,105	\$ 2,252	\$ 5,796	\$ 1,744	\$ 17,583	\$ 10,787				
2029	\$ 130,320	5.910%	\$ 14,399	\$ 6,607	\$ 1,528	\$ 28,192	\$ 7,792	\$ 106,788	\$ 2,071	\$ 5,331	\$ 1,604	\$ 16,797	\$ 9,695				
2030	\$ 122,528	2.950%	\$ 7,187	\$ (604)	\$ (140)	\$ 28,053	\$ 7,792	\$ 98,302	\$ 1,906	\$ 4,907	\$ 1,477	\$ 16,082	\$ 8,732				
2031	\$ 114,736	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 26,250	\$ 7,792	\$ 91,481	\$ 1,774	\$ 4,567	\$ 1,374	\$ 15,507	\$ 7,921				
2032	\$ 106,945	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 24,448	\$ 7,792	\$ 85,491	\$ 1,658	\$ 4,268	\$ 1,284	\$ 15,001	\$ 7,209				
2033	\$ 99,153	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 22,646	\$ 7,792	\$ 79,502	\$ 1,542	\$ 3,969	\$ 1,194	\$ 14,496	\$ 6,553				
2034	\$ 91,361	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 20,844	\$ 7,792	\$ 73,512	\$ 1,426	\$ 3,670	\$ 1,104	\$ 13,991	\$ 5,950				
2035	\$ 83,570	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 19,041	\$ 7,792	\$ 67,523	\$ 1,309	\$ 3,371	\$ 1,014	\$ 13,486	\$ 5,395				
2036	\$ 75,778	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 17,239	\$ 7,792	\$ 61,533	\$ 1,193	\$ 3,072	\$ 924	\$ 12,981	\$ 4,886				
2037	\$ 67,986	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 15,437	\$ 7,792	\$ 55,544	\$ 1,077	\$ 2,773	\$ 834	\$ 12,476	\$ 4,417				
2038	\$ 60,194	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 13,635	\$ 7,792	\$ 49,554	\$ 961	\$ 2,474	\$ 744	\$ 11,971	\$ 3,987				
2039	\$ 52,403	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 11,833	\$ 7,792	\$ 43,565	\$ 845	\$ 2,175	\$ 654	\$ 11,466	\$ 3,593				
2040	\$ 44,611	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 10,030	\$ 7,792	\$ 37,575	\$ 729	\$ 1,876	\$ 564	\$ 10,961	\$ 3,231				
2041	\$ 36,819	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 8,228	\$ 7,792	\$ 31,586	\$ 613	\$ 1,577	\$ 474	\$ 10,455	\$ 2,900				
2042	\$ 29,028	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 6,426	\$ 7,792	\$ 25,596	\$ 496	\$ 1,278	\$ 384	\$ 9,950	\$ 2,596				
2043	\$ 21,236	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 4,624	\$ 7,792	\$ 19,607	\$ 380	\$ 979	\$ 295	\$ 9,445	\$ 2,318				
2044	\$ 13,444	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 2,821	\$ 7,792	\$ 13,617	\$ 264	\$ 680	\$ 205	\$ 8,940	\$ 2,064				
2045	\$ 5,652	0.000%	\$ -	\$ (7,792)	\$ (1,802)	\$ 1,019	\$ 7,792	\$ 7,628	\$ 148	\$ 381	\$ 115	\$ 8,435	\$ 1,832				
2046	\$ (711)	0.000%	\$ -	\$ (6,363)	\$ (1,472)	\$ (453)	\$ 6,363	\$ 2,188	\$ 42	\$ 109	\$ 33	\$ 6,547	\$ 1,338				
TOTAL		100.000%	\$ 242,690	\$ (2,698)	\$ (453)	\$	\$ 245,388	\$	\$ 65,119	\$ 167,809	\$ 57,267	\$ 535,583	\$ 211,092				

Notes:
(a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
(b) From Exhibit I-E, Adjusted Demand Allocator using NC Retail 2020 cost of service study in Docket E-2, Sub 1274
(c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors
(d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
(e) From Exhibit C-9-TU, Column B.
(f) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-TU, Line 10.

	2020 Ending	Future Revenue Streams	
		Deferral	Total
Net present value	\$ 44,702	\$ 211,092	\$ 255,794
Annual payment	\$ 3,538	\$ 16,708	\$ 20,247
Monthly payment	\$ 295	\$ 1,392	\$ 1,687

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE HARRIS NUCLEAR PLANT - ACTUAL
NO RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	2019	2020	2021	2022	2023
ASSUMPTIONS:						
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 895,848 (a)					
LAND COST AT July 31, 2015	\$ 10,269 (a)					
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 500,188 (a)					
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 405,929					
RETIREMENT DATE	10/24/2046 (a)					
LEVELIZATION PERIOD IN MONTHS	375 (a)					
TAX LIFE	15 (a)					
COMPOSITE TAX RATE	35.16% (a)	23.17% (b)	23.13% (d)	23.13% (d)	23.13% (d)	23.13% (d)
AFTER-TAX COST OF CAPITAL	6.5956% (a)	6.4476% (c)	6.4484% (e)	6.2977% (f)	6.2977% (g)	6.4555% (h)
DEPRECIATION RATE	1.5349% (a)					
FIRST YEAR BOOK DEPRECIATION RATE	0.6395%					
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9440% (c)	1.9440% (e)	1.9392% (f)	1.9392% (g)	1.8941% (i)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	5.1480% (c)	5.1480% (e)	4.9920% (f)	4.9920% (g)	5.1940% (j)
NC RETAIL ALLOCATION FACTOR	60.2760% (a)	60.7507% (c)	61.5775% (e)	62.2027% (f)	61.8250% (g)	62.8152% (k)

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (I) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL INTEREST EQUITY (Col I) (Col J)		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	ESTIMATED NC RETAIL REVENUE (Col N)	NC RETAIL REVENUE TRUE-UP AMOUNT (Col O)	LEVELIZED NC RETAIL REVENUE (Col P)	CURRENT MONTH DEFERRAL (L - P) (Col Q)	CUMULATIVE DEFERRAL PLUS INTEREST (Col R)	DEFERRAL PRESENT VALUE (Col S)
Beg Balance July 31, 2015	\$ 244,678																		
2015	\$ 241,130		\$ 11,924	\$ 8,377	\$ 2,945	\$ 2,945	\$ 3,548	\$ 241,445	\$ 2,161	\$ 5,439	\$ 2,949	\$ 14,096				\$ 9,585	\$ 4,511	\$ 4,586	
2016	\$ 232,589		\$ 22,778	\$ 14,237	\$ 4,925	\$ 7,870	\$ 8,541	\$ 231,451	\$ 4,971	\$ 12,512	\$ 6,617	\$ 32,641				\$ 22,272	\$ 10,369	\$ 15,655	
2017	\$ 223,777		\$ 20,750	\$ 11,936	\$ 249	\$ 8,119	\$ 8,814	\$ 218,467	\$ 4,692	\$ 11,810	\$ 6,087	\$ 31,403				\$ 22,179	\$ 9,224	\$ 26,290	
2018	\$ 215,998		\$ 18,745	\$ 10,966	\$ 2,577	\$ 10,696	\$ 7,779	\$ 210,480	\$ 4,183	\$ 10,951	\$ 3,364	\$ 26,276				\$ 20,565	\$ 5,711	\$ 33,971	
2019	\$ 208,219		\$ 16,657	\$ 8,879	\$ 2,057	\$ 12,753	\$ 7,779	\$ 200,384	\$ 3,895	\$ 10,316	\$ 3,111	\$ 25,101				\$ 20,547	\$ 4,554	\$ 40,949	
2020	\$ 200,440		\$ 15,179	\$ 7,400	\$ 1,712	\$ 14,465	\$ 7,779	\$ 190,721	\$ 3,708	\$ 9,818	\$ 2,954	\$ 24,259				\$ 20,547	\$ 3,712	\$ 47,518	
2021	\$ 192,654		\$ 14,521	\$ 6,734	\$ 1,558	\$ 16,023	\$ 7,786	\$ 181,305	\$ 3,520	\$ 9,170	\$ 2,759	\$ 23,236				\$ 20,247	\$ 2,989	\$ 53,730	
2022	\$ 184,862		\$ 14,432	\$ 6,641	\$ 1,536	\$ 17,559	\$ 7,792	\$ 171,968	\$ 3,335	\$ 8,585	\$ 2,583	\$ 22,294				\$ 20,247	\$ 2,048	\$ 59,337	
2023	January	\$ 184,213	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 17,692	\$ 649	\$ 166,913	\$ 270	\$ 694	\$ 209	\$ 1,822	\$ 1,823	\$ (0.343)	\$ 1,687	\$ 135	\$ 59,784	
	February	\$ 183,564	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 17,824	\$ 649	\$ 166,130	\$ 268	\$ 691	\$ 208	\$ 1,817	\$ 1,817	\$ (0.394)	\$ 1,687	\$ 130	\$ 60,228	
	March	\$ 182,914	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 17,957	\$ 649	\$ 165,348	\$ 267	\$ 688	\$ 207	\$ 1,811	\$ 1,812	\$ (0.432)	\$ 1,687	\$ 124	\$ 60,669	
	April	\$ 182,265	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 18,090	\$ 649	\$ 164,566	\$ 266	\$ 685	\$ 206	\$ 1,806	\$ 1,806	\$ (0.472)	\$ 1,687	\$ 119	\$ 61,106	
	May	\$ 181,616	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 18,223	\$ 649	\$ 163,784	\$ 265	\$ 681	\$ 205	\$ 1,800	\$ 1,801	\$ (0.506)	\$ 1,687	\$ 113	\$ 61,541	
	June	\$ 180,967	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 18,356	\$ 649	\$ 163,001	\$ 263	\$ 678	\$ 204	\$ 1,795	\$ 1,795	\$ (0.550)	\$ 1,687	\$ 108	\$ 61,972	
	July	\$ 180,317	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 18,489	\$ 649	\$ 162,219	\$ 262	\$ 675	\$ 203	\$ 1,789	\$ 1,790	\$ (0.590)	\$ 1,687	\$ 102	\$ 62,400	
	August	\$ 179,668	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 18,622	\$ 649	\$ 161,437	\$ 261	\$ 672	\$ 202	\$ 1,784	\$ 1,784	\$ (0.623)	\$ 1,687	\$ 97	\$ 62,824	
	September	\$ 179,019	5.910%	\$ 1,224	\$ 575	\$ 133	\$ 18,755	\$ 649	\$ 160,655	\$ 260	\$ 668	\$ 201	\$ 1,778	\$ 1,779	\$ (0.662)	\$ 1,687	\$ 91	\$ 63,246	
	October	\$ 178,371	5.910%	\$ 1,224	\$ 577	\$ 133	\$ 18,888	\$ 648	\$ 159,873	\$ 252	\$ 692	\$ 208	\$ 1,800	\$ 1,774	\$ 26.505	\$ 1,687	\$ 113	\$ 63,699	
	November	\$ 177,724	5.910%	\$ 1,224	\$ 577	\$ 133	\$ 19,022	\$ 648	\$ 159,092	\$ 251	\$ 689	\$ 207	\$ 1,794	\$ 1,768	\$ 26.325	\$ 1,687	\$ 107	\$ 64,150	
	December	\$ 177,076	5.910%	\$ 1,224	\$ 577	\$ 133	\$ 19,155	\$ 648	\$ 158,312	\$ 250	\$ 685	\$ 206	\$ 1,789	\$ 1,763	\$ 26.156	\$ 1,687	\$ 102	\$ 64,597	
2023	\$ 177,076	5.910%	\$ 14,688	\$ 6,902	\$ 1,596	\$ 19,155	\$ 7,786	\$ 162,612	\$ 3,135	\$ 8,198	\$ 2,467	\$ 21,585			\$ 74.413	\$ 20,247	\$ 1,340	\$ 64,597	

Latest Levelized Payment Calculations

	2020 Ending Deferral	Future Revenue Streams 2021 Forward	Total
Net present value	\$ 44,702	\$ 211,092	\$ 255,794
Annual payment	\$ 3,538	\$ 16,708	\$ 20,247
Monthly payment	\$ 295	\$ 1,392	\$ 1,687

- Notes:
- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
 - (b) The composite tax rate and after tax costs of capital were updated January 1, 2019 as a result of the reduction in the NC state tax rate.
 - (c) As filed with the Commission under Docket E-2, Sub 1253.
 - (d) The composite tax rate and after tax costs of capital were updated January 1, 2020 as a result of a change in the apportionment factors.
 - (e) As filed with the Commission under Docket E-2, Sub 1274.
 - (f) As filed with the Commission under Docket E-2, Sub 1295.
 - (g) As filed with the Commission under Docket E-2, Sub 1324.
 - (h) From Exhibit J-TU, Column D, Line 14.
 - (i) From Exhibit J-TU, Column E, Line 11.
 - (j) From Exhibit J-TU, Column D, Line 12.
 - (k) From Exhibit I-TU.
 - (l) From Exhibit C-9-TU, Column B.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE BRUNSWICK UNIT 1 NUCLEAR PLANT - ESTIMATE
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	ESTIMATE	REVISIONS FOR 2021
ASSUMPTIONS:		
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 273,020 (a)	
LAND COST AT July 31, 2015	\$ 1 (a)	
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 168,091 (a)	
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 104,930	
RETIREMENT DATE	9/8/2036 (a)	
LEVELIZATION PERIOD IN MONTHS	253 (a)	
TAX LIFE	15 (a)	
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)
AFTER-TAX COST OF CAPITAL	6.5856% (a)	6.2977% (d)
DEPRECIATION RATE	2.5035% (a)	
FIRST YEAR BOOK DEPRECIATION RATE	1.0431%	
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)
NC RETAIL ALLOCATION FACTOR	61.57749% (b)	

REVISIONS BASED ON 2020 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (e) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST (Col I)	EQUITY (Col J)							
Beg Balance July 31, 2015	\$ 63,248																
2015	\$ 61,489	5.000%	\$ 3,162	\$ 1,404	\$ 494	\$ 494	\$ 1,759	\$ 62,122	\$ 556	\$ 1,399	\$ 759	\$ 4,473		\$ 3,035	\$ 1,438	\$ 1,462	
2016	\$ 57,282	9.500%	\$ 6,041	\$ 1,833	\$ 634	\$ 1,128	\$ 4,208	\$ 58,575	\$ 1,258	\$ 3,167	\$ 1,675	\$ 10,307		\$ 7,046	\$ 3,261	\$ 4,944	
2017	\$ 53,077	8.550%	\$ 5,503	\$ 1,299	\$ (62)	\$ 1,066	\$ 4,204	\$ 53,849	\$ 1,157	\$ 2,911	\$ 1,500	\$ 9,772		\$ 7,026	\$ 2,746	\$ 8,131	
2018	\$ 50,230	7.700%	\$ 4,971	\$ 2,124	\$ 499	\$ 1,565	\$ 2,847	\$ 50,338	\$ 1,009	\$ 2,619	\$ 805	\$ 7,271		\$ 6,014	\$ 1,257	\$ 9,979	
2019	\$ 47,383	6.930%	\$ 4,418	\$ 1,571	\$ 364	\$ 1,929	\$ 2,847	\$ 47,060	\$ 915	\$ 2,423	\$ 731	\$ 6,915		\$ 6,011	\$ 904	\$ 11,579	
2020	\$ 44,536	6.230%	\$ 4,025	\$ 1,178	\$ 273	\$ 2,201	\$ 2,847	\$ 43,895	\$ 853	\$ 2,260	\$ 680	\$ 6,640		\$ 6,011	\$ 629	\$ 13,001	\$ 12,231
2021	\$ 41,687	5.900%	\$ 3,812	\$ 963	\$ 223	\$ 2,424	\$ 2,849	\$ 40,799	\$ 792	\$ 2,064	\$ 621	\$ 6,326	\$ 5,951				
2022	\$ 38,836	5.900%	\$ 3,812	\$ 961	\$ 222	\$ 2,647	\$ 2,851	\$ 37,726	\$ 732	\$ 1,883	\$ 567	\$ 6,032	\$ 5,339				
2023																	
January	\$ 38,599	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,665	\$ 238	\$ 36,062	\$ 58	\$ 150	\$ 45	\$ 491					
February	\$ 38,361	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,684	\$ 238	\$ 35,805	\$ 58	\$ 149	\$ 45	\$ 489					
March	\$ 38,123	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,702	\$ 238	\$ 35,549	\$ 57	\$ 148	\$ 45	\$ 487					
April	\$ 37,886	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,721	\$ 238	\$ 35,293	\$ 57	\$ 147	\$ 44	\$ 486					
May	\$ 37,648	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,740	\$ 238	\$ 35,037	\$ 57	\$ 146	\$ 44	\$ 484					
June	\$ 37,411	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,758	\$ 238	\$ 34,780	\$ 56	\$ 145	\$ 44	\$ 482					
July	\$ 37,173	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,777	\$ 238	\$ 34,524	\$ 56	\$ 144	\$ 43	\$ 480					
August	\$ 36,936	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,796	\$ 238	\$ 34,268	\$ 55	\$ 143	\$ 43	\$ 478					
September	\$ 36,698	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,814	\$ 238	\$ 34,012	\$ 55	\$ 141	\$ 43	\$ 477					
October	\$ 36,460	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,833	\$ 238	\$ 33,756	\$ 55	\$ 140	\$ 42	\$ 475					
November	\$ 36,223	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,852	\$ 238	\$ 33,499	\$ 54	\$ 139	\$ 42	\$ 473					
December	\$ 35,985	5.910%	\$ 318	\$ 81	\$ 19	\$ 2,870	\$ 238	\$ 33,243	\$ 54	\$ 138	\$ 42	\$ 471					
2023	\$ 35,985	5.910%	\$ 3,819	\$ 968	\$ 224	\$ 2,870	\$ 2,851	\$ 34,652	\$ 672	\$ 1,730	\$ 521	\$ 5,773	\$ 4,807				
2024	\$ 33,134	5.900%	\$ 3,812	\$ 961	\$ 222	\$ 3,093	\$ 2,851	\$ 31,578	\$ 612	\$ 1,576	\$ 474	\$ 5,514	\$ 4,319				
2025	\$ 30,284	5.910%	\$ 3,819	\$ 968	\$ 224	\$ 3,317	\$ 2,851	\$ 28,504	\$ 553	\$ 1,423	\$ 428	\$ 5,255	\$ 3,872				
2026	\$ 27,433	5.900%	\$ 3,812	\$ 961	\$ 222	\$ 3,539	\$ 2,851	\$ 25,430	\$ 493	\$ 1,269	\$ 382	\$ 4,995	\$ 3,463				
2027	\$ 24,582	5.910%	\$ 3,819	\$ 968	\$ 224	\$ 3,763	\$ 2,851	\$ 22,356	\$ 434	\$ 1,116	\$ 336	\$ 4,736	\$ 3,089				
2028	\$ 21,731	5.900%	\$ 3,812	\$ 961	\$ 222	\$ 3,985	\$ 2,851	\$ 19,283	\$ 374	\$ 963	\$ 290	\$ 4,477	\$ 2,747				
2029	\$ 18,880	5.910%	\$ 3,819	\$ 968	\$ 224	\$ 4,209	\$ 2,851	\$ 16,209	\$ 314	\$ 809	\$ 243	\$ 4,218	\$ 2,434				
2030	\$ 16,029	2.950%	\$ 1,906	\$ (945)	\$ (219)	\$ 3,990	\$ 2,851	\$ 13,355	\$ 259	\$ 667	\$ 201	\$ 3,977	\$ 2,159				
2031	\$ 13,178	0.000%	\$ -	\$ (2,851)	\$ (659)	\$ 3,331	\$ 2,851	\$ 10,943	\$ 212	\$ 546	\$ 164	\$ 3,774	\$ 1,928				
2032	\$ 10,327	0.000%	\$ -	\$ (2,851)	\$ (659)	\$ 2,672	\$ 2,851	\$ 8,572	\$ 170	\$ 437	\$ 131	\$ 3,589	\$ 1,725				
2033	\$ 7,477	0.000%	\$ -	\$ (2,851)	\$ (659)	\$ 2,012	\$ 2,851	\$ 6,560	\$ 127	\$ 327	\$ 99	\$ 3,404	\$ 1,539				
2034	\$ 4,626	0.000%	\$ -	\$ (2,851)	\$ (659)	\$ 1,353	\$ 2,851	\$ 4,369	\$ 85	\$ 218	\$ 66	\$ 3,219	\$ 1,369				
2035	\$ 1,775	0.000%	\$ -	\$ (2,851)	\$ (659)	\$ 693	\$ 2,851	\$ 2,177	\$ 42	\$ 109	\$ 33	\$ 3,034	\$ 1,214				
2036 NINE MONTHS (f)	\$ (190)	0.000%	\$ -	\$ (1,965)	\$ (454)	\$ 239	\$ 1,965	\$ 326	\$ 6	\$ 16	\$ 5	\$ 1,992	\$ 750				
TOTAL		100.000%	\$ 64,361	\$ 924		\$	\$ 63,438		\$ 11,616	\$ 29,932	\$ 10,709	\$ 115,695	\$ 46,703				

Notes:
(a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
(b) From Exhibit I-E, Adjusted Demand Allocator using NC Retail 2020 cost of service study in Docket E-2, Sub 1274.
(c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
(d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
(e) From Exhibit C-9-TU, Column B.
(f) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-TU, Line 8.

	2020 Ending Deferral	Future Revenue Streams 2021 Forward	Total
Net present value	\$ 12,231	\$ 46,703	\$ 58,934
Annual payment	\$ 1,235	\$ 4,716	\$ 5,951
Monthly payment	\$ 103	\$ 393	\$ 496

EXHIBIT C-2 Actual - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE BRUNSWICK UNIT 1 NUCLEAR PLANT - ACTUAL
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	2019	2020	2021	2022	2023
ASSUMPTIONS:						
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 273,020 (a)					
LAND COST AT JULY 31, 2015	\$ 1 (a)					
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 168,091 (a)					
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 104,930					
RETIREMENT DATE	9/8/2036 (a)					
LEVELIZATION PERIOD IN MONTHS	253 (a)					
TAX LIFE	15 (a)					
COMPOSITE TAX RATE	35.16% (a)	23.17% (b)	23.13% (d)	23.13% (d)	23.13% (d)	23.13% (d)
AFTER-TAX COST OF CAPITAL	6.5956% (a)	6.4476% (c)	6.4484% (e)	6.2977% (f)	6.2977% (g)	6.4555% (h)
DEPRECIATION RATE	2.5035% (a)					
FIRST YEAR BOOK DEPRECIATION RATE	1.0431%					
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9440% (c)	1.9440% (e)	1.9392% (f)	1.9392% (g)	1.8941% (i)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	5.1480% (c)	5.1480% (e)	4.9920% (f)	4.9920% (g)	5.1940% (j)
NC RETAIL ALLOCATION FACTOR	60.2760% (a)	60.7507% (c)	61.5775% (e)	62.2027% (f)	61.8250% (g)	62.8152% (k)

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (l) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	ESTIMATED NC RETAIL REVENUE (Col N)	NC RETAIL REVENUE TRUE-UP AMOUNT (Col O)	LEVELIZED NC RETAIL REVENUE (Col P)	CURRENT MONTH DEFERRAL (Col Q) (L - P)	CUMULATIVE DEFERRAL PLUS INTEREST (Col R)	DEFERRAL PRESENT VALUE (Col S)	
									INTEREST (Col I)	EQUITY (Col J)										
Beg Balance July 31, 2015	\$ 63,248																			
2015			\$ 3,162	\$ 1,404	\$ 494	\$ 494	\$ 1,759	\$ 62,125	\$ 556	\$ 1,399	\$ 759	\$ 4,473				\$ 3,035	\$ 1,438	\$ 1,462		
2016			\$ 6,041	\$ 1,833	\$ 634	\$ 1,128	\$ 4,208	\$ 58,572	\$ 1,258	\$ 3,166	\$ 1,674	\$ 10,307				\$ 7,046	\$ 3,260	\$ 4,944		
2017			\$ 5,503	\$ 1,299	\$ (62)	\$ 1,066	\$ 4,204	\$ 53,849	\$ 1,157	\$ 2,911	\$ 1,500	\$ 9,772				\$ 7,026	\$ 2,746	\$ 8,131		
2018			\$ 4,971	\$ 2,124	\$ 499	\$ 1,565	\$ 2,847	\$ 50,338	\$ 1,001	\$ 2,619	\$ 805	\$ 7,271				\$ 6,014	\$ 1,257	\$ 9,979		
2019			\$ 4,418	\$ 1,571	\$ 364	\$ 1,929	\$ 2,847	\$ 47,060	\$ 915	\$ 2,423	\$ 731	\$ 6,915				\$ 6,010	\$ 905	\$ 11,580		
2020			\$ 4,025	\$ 1,178	\$ 273	\$ 2,201	\$ 2,847	\$ 43,895	\$ 853	\$ 2,260	\$ 680	\$ 6,640				\$ 6,010	\$ 630	\$ 13,003		
2021			\$ 3,851	\$ 1,002	\$ 232	\$ 2,433	\$ 2,849	\$ 40,795	\$ 792	\$ 2,064	\$ 621	\$ 6,326				\$ 5,951	\$ 374	\$ 14,243		
2022			\$ 3,827	\$ 977	\$ 226	\$ 2,659	\$ 2,851	\$ 37,716	\$ 731	\$ 1,883	\$ 567	\$ 6,032				\$ 5,951	\$ 80	\$ 15,251		
2023 January	\$ 38,599	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,679	\$ 238	\$ 36,048	\$ 58	\$ 150	\$ 45	\$ 491	\$ 491	\$ (0.101)	\$ 496	\$ (5)	\$ 15,326			
February	\$ 38,361	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,699	\$ 238	\$ 35,791	\$ 58	\$ 149	\$ 45	\$ 489	\$ 489	\$ (0.101)	\$ 496	\$ (7)	\$ 15,400			
March	\$ 38,123	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,719	\$ 238	\$ 35,533	\$ 57	\$ 148	\$ 44	\$ 487	\$ 487	\$ (0.113)	\$ 496	\$ (9)	\$ 15,472			
April	\$ 37,886	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,739	\$ 238	\$ 35,275	\$ 57	\$ 147	\$ 44	\$ 485	\$ 486	\$ (0.134)	\$ 496	\$ (10)	\$ 15,542			
May	\$ 37,648	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,760	\$ 238	\$ 35,018	\$ 57	\$ 146	\$ 44	\$ 484	\$ 484	\$ (0.140)	\$ 496	\$ (12)	\$ 15,611			
June	\$ 37,411	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,780	\$ 238	\$ 34,760	\$ 56	\$ 145	\$ 44	\$ 482	\$ 482	\$ (0.145)	\$ 496	\$ (14)	\$ 15,679			
July	\$ 37,173	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,800	\$ 238	\$ 34,502	\$ 56	\$ 144	\$ 43	\$ 480	\$ 480	\$ (0.147)	\$ 496	\$ (16)	\$ 15,746			
August	\$ 36,936	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,820	\$ 238	\$ 34,244	\$ 55	\$ 142	\$ 43	\$ 478	\$ 478	\$ (0.169)	\$ 496	\$ (18)	\$ 15,810			
September	\$ 36,698	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,840	\$ 238	\$ 33,987	\$ 55	\$ 141	\$ 43	\$ 476	\$ 477	\$ (0.174)	\$ 496	\$ (20)	\$ 15,874			
October	\$ 36,460	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,860	\$ 238	\$ 33,729	\$ 53	\$ 146	\$ 44	\$ 481	\$ 475	\$ 5.972	\$ 496	\$ (15)	\$ 15,944			
November	\$ 36,223	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,880	\$ 238	\$ 33,471	\$ 53	\$ 145	\$ 44	\$ 479	\$ 473	\$ 5.913	\$ 496	\$ (17)	\$ 16,012			
December	\$ 35,985	5.910%	\$ 325	\$ 87	\$ 20	\$ 2,900	\$ 238	\$ 33,214	\$ 52	\$ 144	\$ 43	\$ 477	\$ 471	\$ 5.865	\$ 496	\$ (19)	\$ 16,080			
2023	\$ 35,985	5.910%	\$ 3,895	\$ 1,044	\$ 242	\$ 2,901	\$ 2,851	\$ 34,631	\$ 668	\$ 1,746	\$ 525	\$ 5,790		\$ 16,525	\$ 5,951	\$ (162)	\$ 16,080			

- Notes:
- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
 - (b) The composite tax rate and after tax costs of capital were updated January 1, 2019 as a result of the reduction in the NC state tax rate.
 - (c) As filed with the Commission under Docket E-2, Sub 1253.
 - (d) The composite tax rate and after tax costs of capital were updated January 1, 2020 as a result of a change in the apportionment factors.
 - (e) As filed with the Commission under Docket E-2, Sub 1274.
 - (f) As filed with the Commission under Docket E-2, Sub 1295.
 - (g) As filed with the Commission under Docket E-2, Sub 1324.
 - (h) From Exhibit J-TU, Column D, Line 14.
 - (i) From Exhibit J-TU, Column E, Line 11.
 - (j) From Exhibit J-TU, Column D, Line 12.
 - (k) From Exhibit I-TU.
 - (l) From Exhibit C-9-TU, Column B.

	Latest Levelized Payment Calculations		
	2020 Ending Deferral	Future Revenue Streams 2021 Forward	Total
Net present value	\$ 12,231	\$ 46,703	\$ 58,934
Annual payment	\$ 1,235	\$ 4,716	\$ 5,951
Monthly payment	\$ 103	\$ 393	\$ 496

EXHIBIT C-3-Estimate-TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE BRUNSWICK UNIT 2 NUCLEAR PLANT - ESTIMATE
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	REVISIONS FOR 2021
ASSUMPTIONS:		
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 218,790 (a)	
LAND COST AT JULY 31, 2015	\$ 615 (a)	
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 122,314 (a)	
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 97,091	
RETIREMENT DATE	12/27/2034 (a)	
LEVELIZATION PERIOD IN MONTHS	233 (a)	
TAX LIFE	15 (a)	
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)
AFTER-TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)
DEPRECIATION RATE	2.0153% (a)	
FIRST YEAR BOOK DEPRECIATION RATE	0.8397%	
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)
NC RETAIL ALLOCATION FACTOR	61.57749% (b)	

REVISIONS BASED ON 2020 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (e) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST	EQUITY							
Beg Balance July 31, 2015	\$ 58,523																
2015	\$ 57,353	5.000%	\$ 2,908	\$ 1,737	\$ 611	\$ 611	\$ 1,170	\$ 57,632	\$ 516	\$ 1,298	\$ 704	\$ 3,688	\$ 2,650	\$ 1,038	\$ 1,056		
2016	\$ 54,573	9.500%	\$ 5,554	\$ 2,774	\$ 960	\$ 1,570	\$ 2,790	\$ 54,872	\$ 1,179	\$ 2,966	\$ 1,569	\$ 8,494	\$ 6,204	\$ 2,290	\$ 3,503		
2017	\$ 51,759	8.550%	\$ 5,060	\$ 2,245	\$ 17	\$ 1,588	\$ 2,814	\$ 51,246	\$ 1,101	\$ 2,770	\$ 1,428	\$ 8,113	\$ 6,185	\$ 1,928	\$ 5,743		
2018	\$ 48,707	7.700%	\$ 4,571	\$ 1,519	\$ 357	\$ 1,945	\$ 3,052	\$ 48,466	\$ 963	\$ 2,522	\$ 775	\$ 7,312	\$ 6,002	\$ 1,310	\$ 7,485		
2019	\$ 45,655	6.930%	\$ 4,062	\$ 1,010	\$ 234	\$ 2,179	\$ 3,052	\$ 45,119	\$ 877	\$ 2,323	\$ 700	\$ 6,952	\$ 5,998	\$ 954	\$ 8,972		
2020	\$ 42,603	6.230%	\$ 3,701	\$ 649	\$ 150	\$ 2,329	\$ 3,052	\$ 41,875	\$ 814	\$ 2,156	\$ 649	\$ 6,670	\$ 5,998	\$ 672	\$ 10,141	\$ 9,540	
2021	\$ 39,549	5.900%	\$ 3,505	\$ 451	\$ 104	\$ 2,433	\$ 3,054	\$ 38,695	\$ 751	\$ 1,957	\$ 589	\$ 6,351	\$ 5,975				
2022	\$ 36,495	5.900%	\$ 3,505	\$ 450	\$ 104	\$ 2,538	\$ 3,055	\$ 35,537	\$ 689	\$ 1,774	\$ 534	\$ 6,052	\$ 5,356				
2023																	
January	\$ 36,240	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,546	\$ 255	\$ 33,825	\$ 55	\$ 141	\$ 42	\$ 492					
February	\$ 35,986	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,555	\$ 255	\$ 33,562	\$ 54	\$ 140	\$ 42	\$ 490					
March	\$ 35,731	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,564	\$ 255	\$ 33,299	\$ 54	\$ 139	\$ 42	\$ 489					
April	\$ 35,476	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,573	\$ 255	\$ 33,035	\$ 53	\$ 137	\$ 41	\$ 487					
May	\$ 35,222	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,582	\$ 255	\$ 32,772	\$ 53	\$ 136	\$ 41	\$ 485					
June	\$ 34,967	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,590	\$ 255	\$ 32,509	\$ 53	\$ 135	\$ 41	\$ 483					
July	\$ 34,713	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,599	\$ 255	\$ 32,245	\$ 52	\$ 134	\$ 40	\$ 481					
August	\$ 34,458	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,608	\$ 255	\$ 31,982	\$ 52	\$ 133	\$ 40	\$ 479					
September	\$ 34,204	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,617	\$ 255	\$ 31,719	\$ 51	\$ 132	\$ 40	\$ 477					
October	\$ 33,949	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,625	\$ 255	\$ 31,455	\$ 51	\$ 131	\$ 39	\$ 476					
November	\$ 33,695	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,634	\$ 255	\$ 31,192	\$ 50	\$ 130	\$ 39	\$ 474					
December	\$ 33,440	5.910%	\$ 293	\$ 38	\$ 9	\$ 2,643	\$ 255	\$ 30,929	\$ 50	\$ 129	\$ 39	\$ 472					
2023	\$ 33,440	5.910%	\$ 3,511	\$ 456	\$ 106	\$ 2,643	\$ 3,055	\$ 32,377	\$ 628	\$ 1,616	\$ 486	\$ 5,785	\$ 4,817				
2024	\$ 30,385	5.900%	\$ 3,505	\$ 450	\$ 104	\$ 2,747	\$ 3,055	\$ 29,217	\$ 567	\$ 1,459	\$ 439	\$ 5,519	\$ 4,323				
2025	\$ 27,330	5.910%	\$ 3,511	\$ 456	\$ 106	\$ 2,853	\$ 3,055	\$ 26,058	\$ 505	\$ 1,301	\$ 391	\$ 5,252	\$ 3,870				
2026	\$ 24,276	5.900%	\$ 3,505	\$ 450	\$ 104	\$ 2,957	\$ 3,055	\$ 22,898	\$ 444	\$ 1,143	\$ 344	\$ 4,986	\$ 3,456				
2027	\$ 21,221	5.910%	\$ 3,511	\$ 456	\$ 106	\$ 3,062	\$ 3,055	\$ 19,739	\$ 383	\$ 985	\$ 297	\$ 4,719	\$ 3,078				
2028	\$ 18,166	5.900%	\$ 3,505	\$ 450	\$ 104	\$ 3,167	\$ 3,055	\$ 16,579	\$ 322	\$ 828	\$ 249	\$ 4,453	\$ 2,732				
2029	\$ 15,111	5.910%	\$ 3,511	\$ 456	\$ 106	\$ 3,272	\$ 3,055	\$ 13,419	\$ 260	\$ 670	\$ 202	\$ 4,186	\$ 2,416				
2030	\$ 12,057	2.950%	\$ 1,753	\$ (1,302)	\$ (301)	\$ 2,971	\$ 3,055	\$ 10,463	\$ 203	\$ 522	\$ 157	\$ 3,937	\$ 2,138				
2031	\$ 9,002	0.000%	\$ -	\$ (3,055)	\$ (707)	\$ 2,264	\$ 3,055	\$ 7,912	\$ 153	\$ 395	\$ 119	\$ 3,722	\$ 1,901				
2032	\$ 5,947	0.000%	\$ -	\$ (3,055)	\$ (707)	\$ 1,558	\$ 3,055	\$ 5,563	\$ 108	\$ 278	\$ 84	\$ 3,524	\$ 1,693				
2033	\$ 2,892	0.000%	\$ -	\$ (3,055)	\$ (707)	\$ 851	\$ 3,055	\$ 3,215	\$ 62	\$ 160	\$ 48	\$ 3,326	\$ 1,503				
2034 TWELVE MONTHS (f)	\$ (137)	0.000%	\$ -	\$ (3,029)	\$ (701)	\$ 151	\$ 3,029	\$ 877	\$ 17	\$ 44	\$ 13	\$ 3,103	\$ 1,320				
TOTAL		100.000%	\$ 59,176	\$ 516			\$ 58,660		\$ 10,542	\$ 27,167	\$ 9,776	\$ 106,145	\$ 44,577				

- Notes:
- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
 - (b) From Exhibit I-E, Adjusted Demand Allocator using NC Retail 2020 cost of service study in Docket E-2, Sub 1274.
 - (c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
 - (d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
 - (e) From Exhibit C-9-TU, Column B.
 - (f) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-TU, Line 9.

	2020 Ending Deferral	Future Revenue Streams 2021 Forward	Total
Net present value	\$ 9,540	\$ 44,577	\$ 54,118
Annual payment	\$ 1,045	\$ 4,885	\$ 5,930
Monthly payment	\$ 87	\$ 407	\$ 494

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE BRUNSWICK UNIT 2 NUCLEAR PLANT - ACTUAL
NO RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	2019	2020	2021	2022	2023
ASSUMPTIONS:						
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 218,790 (a)					
LAND COST AT July 31, 2015	\$ 615 (a)					
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 122,314 (a)					
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 97,091					
RETIREMENT DATE	12/27/2034 (a)					
LEVELIZATION PERIOD IN MONTHS	233 (a)					
TAX LIFE	15 (a)					
COMPOSITE TAX RATE	35.16% (a)	23.17% (b)	23.13% (d)	23.13% (d)	23.13% (d)	23.13% (d)
AFTER-TAX COST OF CAPITAL	6.5956% (a)	6.4476% (c)	6.4484% (e)	6.2977% (f)	6.2977% (g)	6.4555% (h)
DEPRECIATION RATE	2.0153% (a)					
FIRST YEAR BOOK DEPRECIATION RATE	0.8397%					
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9440% (c)	1.9440% (e)	1.9392% (f)	1.9392% (g)	1.8941% (i)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	5.1480% (c)	5.1480% (e)	4.9920% (f)	4.9920% (g)	5.1940% (j)
NC RETAIL ALLOCATION FACTOR	60.2760% (a)	60.7507% (c)	61.5775% (e)	62.2027% (f)	61.8250% (g)	62.8152% (k)

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE	MACRS RATE FOR 15 YR PROPERTY (I)	TAX ANNUAL DEPRECIATION	TAX DEPR. MINUS BOOK DEPR.	ANNUAL DEF. TAXES FROM DEPR.	DEFERRED TAX BALANCE	BOOK DEPRECIATION	AVERAGE INVESTMENT FOR THE YEAR	COST OF CAPITAL		INCOME TAXES	NC RETAIL REVENUE	NC RETAIL REVENUE PRES VALUE	ESTIMATED NC RETAIL REVENUE	NC RETAIL REVENUE TRUE-UP AMOUNT	LEVELIZED NC RETAIL REVENUE	CURRENT MONTH DEFERRAL	CUMULATIVE DEFERRAL PLUS INTEREST	DEFERRAL PRESENT VALUE
									INTEREST	EQUITY									
	(Col A)	(Col B)	(Col C)	(Col D)	(Col E)	(Col F)	(Col G)	(Col H)	(Col I)	(Col J)	(Col K)	(Col L)	(Col M)	(Col N)	(Col O)	(Col P)	(Col Q) (L - P)	(Col R)	(Col S)
Beg Balance July 31, 2015	\$ 58,523																		
2015			\$ 2,908	\$ 1,737	\$ 611	\$ 611	\$ 1,170	\$ 57,634	\$ 516	\$ 1,298	\$ 704	\$ 3,688				\$ 2,650	\$ 1,038	\$ 1,056	
2016			\$ 5,554	\$ 2,774	\$ 960	\$ 1,570	\$ 2,780	\$ 54,871	\$ 1,179	\$ 2,966	\$ 1,569	\$ 8,493				\$ 6,204	\$ 2,290	\$ 3,503	
2017			\$ 5,060	\$ 2,245	\$ 17	\$ 1,588	\$ 2,814	\$ 51,246	\$ 1,101	\$ 2,770	\$ 1,428	\$ 8,113				\$ 6,185	\$ 1,928	\$ 5,743	
2018			\$ 4,571	\$ 1,519	\$ 357	\$ 1,945	\$ 3,052	\$ 48,466	\$ 963	\$ 2,522	\$ 774,660	\$ 7,312				\$ 6,002	\$ 1,309	\$ 7,485	
2019			\$ 4,062	\$ 1,010	\$ 234	\$ 2,179	\$ 3,052	\$ 45,119	\$ 877	\$ 2,323	\$ 700	\$ 6,952				\$ 5,998	\$ 954	\$ 8,972	
2020			\$ 3,701	\$ 649	\$ 150	\$ 2,329	\$ 3,052	\$ 41,875	\$ 814	\$ 2,156	\$ 649	\$ 6,670				\$ 5,998	\$ 672	\$ 10,141	
2021			\$ 3,541	\$ 487	\$ 113	\$ 2,442	\$ 3,054	\$ 38,691	\$ 751	\$ 1,957	\$ 589	\$ 6,351				\$ 5,930	\$ 421	\$ 11,137	
2022			\$ 3,519	\$ 464	\$ 107	\$ 2,549	\$ 3,055	\$ 35,527	\$ 689	\$ 1,774	\$ 534	\$ 6,051				\$ 5,930	\$ 121	\$ 11,985	
2023																			
January	\$ 36,240	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,559	\$ 255	\$ 33,813	\$ 55	\$ 141	\$ 42	\$ 492	\$ 492	\$ (0.089)	\$ 494	\$ (2)	\$ 12,046		
February	\$ 35,986	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,569	\$ 255	\$ 33,549	\$ 54	\$ 140	\$ 42	\$ 490	\$ 490	\$ (0.095)	\$ 494	\$ (4)	\$ 12,106		
March	\$ 35,731	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,579	\$ 255	\$ 33,284	\$ 54	\$ 138	\$ 42	\$ 488	\$ 488	\$ (0.107)	\$ 494	\$ (6)	\$ 12,163		
April	\$ 35,476	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,590	\$ 255	\$ 33,019	\$ 53	\$ 137	\$ 41	\$ 487	\$ 487	\$ (0.113)	\$ 494	\$ (8)	\$ 12,220		
May	\$ 35,222	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,600	\$ 255	\$ 32,755	\$ 53	\$ 136	\$ 41	\$ 485	\$ 485	\$ (0.118)	\$ 494	\$ (9)	\$ 12,274		
June	\$ 34,967	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,610	\$ 255	\$ 32,490	\$ 53	\$ 135	\$ 41	\$ 483	\$ 483	\$ (0.129)	\$ 494	\$ (11)	\$ 12,327		
July	\$ 34,713	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,620	\$ 255	\$ 32,225	\$ 52	\$ 134	\$ 40	\$ 481	\$ 481	\$ (0.136)	\$ 494	\$ (13)	\$ 12,379		
August	\$ 34,458	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,630	\$ 255	\$ 31,960	\$ 52	\$ 133	\$ 40	\$ 479	\$ 479	\$ (0.147)	\$ 494	\$ (15)	\$ 12,429		
September	\$ 34,204	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,640	\$ 255	\$ 31,696	\$ 51	\$ 132	\$ 40	\$ 477	\$ 477	\$ (0.163)	\$ 494	\$ (17)	\$ 12,477		
October	\$ 33,949	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,650	\$ 255	\$ 31,431	\$ 50	\$ 136	\$ 41	\$ 481	\$ 476	\$ 5,594	\$ 494	\$ (13)	\$ 12,531		
November	\$ 33,694	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,661	\$ 255	\$ 31,166	\$ 49	\$ 135	\$ 41	\$ 479	\$ 474	\$ 5,528	\$ 494	\$ (15)	\$ 12,584		
December	\$ 33,440	5.910%	\$ 298	\$ 44	\$ 10	\$ 2,671	\$ 255	\$ 30,901	\$ 49	\$ 134	\$ 40	\$ 477	\$ 472	\$ 5,471	\$ 494	\$ (17)	\$ 12,634		
2023	\$ 33,440	5.910%	\$ 3,582	\$ 527	\$ 122	\$ 2,671	\$ 3,055	\$ 32,357	\$ 624	\$ 1,631	\$ 491	\$ 5,801		\$ 15,497	\$ 5,930	\$ (129)	\$ 12,634		

- Notes:
- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
 - (b) The composite tax rate and after tax costs of capital were updated January 1, 2019 as a result of the reduction in the NC state tax rate.
 - (c) As filed with the Commission under Docket E-2, Sub 1253.
 - (d) The composite tax rate and after tax costs of capital were updated January 1, 2020 as a result of a change in the apportionment factors.
 - (e) As filed with the Commission under Docket E-2, Sub 1274.
 - (f) As filed with the Commission under Docket E-2, Sub 1295.
 - (g) As filed with the Commission under Docket E-2, Sub 1324.
 - (h) From Exhibit J-TU, Column D, Line 14.
 - (i) From Exhibit J-TU, Column E, Line 11.
 - (j) From Exhibit J-TU, Column D, Line 12.
 - (k) From Exhibit I-TU.
 - (l) From Exhibit C-9-TU, Column B.

	Latest Levelized Payment Calculations		
	2020 Ending	Future Revenue Streams	Total
	Deferral	2021 Forward	
Net present value	\$ 9,540	\$ 44,577	\$ 54,118
Annual payment	\$ 1,045	\$ 4,885	\$ 5,930
Monthly payment	\$ 87	\$ 407	\$ 494

EXHIBIT C-4-estimate-TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE MAYO COAL STATION - ESTIMATE
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	REVISIONS FOR 2021
ASSUMPTIONS:		
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 178,639 (a)	
LAND COST AT July 31, 2015	\$ 3,300 (a)	
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 100,546 (a)	
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 81,392	
RETIREMENT DATE	6/20/2035 (a)	
LEVELIZATION PERIOD IN MONTHS	239 (a)	
TAX LIFE	20 (a)	
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)
AFTER-TAX COST OF CAPITAL	6.5856% (a)	6.2977% (d)
DEPRECIATION RATE	3.0024% (a)	
FIRST YEAR BOOK DEPRECIATION RATE	1.2510%	
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)
NC RETAIL ALLOCATION FACTOR	61.57749% (b)	

REVISIONS BASED ON 2020 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 20 YR PROPERTY (e) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O) (L - N)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST (Col I)	EQUITY (Col J)							
Beg Balance July 31, 2015	\$ 49,060																
2015	\$ 47,696	3.750%	\$ 1,765	\$ 401	\$ 141	\$ 141	\$ 1,365	\$ 48,307	\$ 432	\$ 1,088	\$ 590	\$ 3,475	\$ 2,495	\$ 980	\$ 996	\$ 8,062	\$ 3,457
2016	\$ 44,412	7.219%	\$ 3,416	\$ 133	\$ 45	\$ 187	\$ 3,283	\$ 45,890	\$ 986	\$ 2,481	\$ 1,312	\$ 8,062	\$ 5,755	\$ 2,306	\$ 3,457	\$ 7,712	\$ 5,742
2017	\$ 41,104	6.677%	\$ 3,198	\$ (110)	\$ (87)	\$ 100	\$ 3,308	\$ 42,592	\$ 915	\$ 2,303	\$ 1,187	\$ 7,712	\$ 4,891	\$ 1,975	\$ 5,742	\$ 5,863	\$ 7,135
2018	\$ 38,735	6.177%	\$ 2,968	\$ 599	\$ 141	\$ 241	\$ 2,369	\$ 39,750	\$ 790	\$ 2,068	\$ 635	\$ 5,863	\$ 4,887	\$ 704	\$ 8,339	\$ 5,380	\$ 8,847
2019	\$ 36,366	5.713%	\$ 2,710	\$ 341	\$ 79	\$ 320	\$ 2,369	\$ 37,272	\$ 725	\$ 1,919	\$ 579	\$ 5,591	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2020	\$ 33,997	5.285%	\$ 2,541	\$ 172	\$ 40	\$ 360	\$ 2,369	\$ 34,842	\$ 677	\$ 1,794	\$ 540	\$ 5,380	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2021	\$ 31,628	4.888%	\$ 2,351	\$ (19)	\$ (4)	\$ 355	\$ 2,369	\$ 32,455	\$ 630	\$ 1,642	\$ 494	\$ 5,134	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2022	\$ 29,261	4.522%	\$ 2,175	\$ (192)	\$ (44)	\$ 311	\$ 2,367	\$ 30,112	\$ 584	\$ 1,503	\$ 452	\$ 4,906	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2023																	
January	\$ 29,064	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 307	\$ 197	\$ 28,854	\$ 47	\$ 120	\$ 36	\$ 400	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
February	\$ 28,867	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 302	\$ 197	\$ 28,661	\$ 46	\$ 119	\$ 36	\$ 399	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
March	\$ 28,670	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 298	\$ 197	\$ 28,468	\$ 46	\$ 118	\$ 36	\$ 397	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
April	\$ 28,472	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 294	\$ 197	\$ 28,275	\$ 46	\$ 118	\$ 35	\$ 396	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
May	\$ 28,275	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 290	\$ 197	\$ 28,082	\$ 45	\$ 117	\$ 35	\$ 395	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
June	\$ 28,078	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 285	\$ 197	\$ 27,889	\$ 45	\$ 116	\$ 35	\$ 393	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
July	\$ 27,881	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 281	\$ 197	\$ 27,696	\$ 45	\$ 115	\$ 35	\$ 392	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
August	\$ 27,684	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 277	\$ 197	\$ 27,503	\$ 44	\$ 114	\$ 34	\$ 391	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
September	\$ 27,486	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 272	\$ 197	\$ 27,310	\$ 44	\$ 114	\$ 34	\$ 389	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
October	\$ 27,289	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 268	\$ 197	\$ 27,117	\$ 44	\$ 113	\$ 34	\$ 388	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
November	\$ 27,092	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 264	\$ 197	\$ 26,924	\$ 44	\$ 112	\$ 34	\$ 386	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
December	\$ 26,895	4.462%	\$ 179	\$ (18)	\$ (4)	\$ 260	\$ 197	\$ 26,731	\$ 43	\$ 111	\$ 33	\$ 385	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2023	\$ 26,895	4.462%	\$ 2,146	\$ (221)	\$ (51)	\$ 260	\$ 2,367	\$ 27,793	\$ 539	\$ 1,387	\$ 417	\$ 4,711	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2024	\$ 24,528	4.461%	\$ 2,145	\$ (222)	\$ (51)	\$ 208	\$ 2,367	\$ 25,477	\$ 494	\$ 1,272	\$ 383	\$ 4,515	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2025	\$ 22,161	4.462%	\$ 2,146	\$ (221)	\$ (51)	\$ 157	\$ 2,367	\$ 23,161	\$ 449	\$ 1,156	\$ 348	\$ 4,320	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2026	\$ 19,794	4.461%	\$ 2,145	\$ (222)	\$ (51)	\$ 106	\$ 2,367	\$ 20,846	\$ 404	\$ 1,041	\$ 313	\$ 4,125	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2027	\$ 17,427	4.462%	\$ 2,146	\$ (221)	\$ (51)	\$ 55	\$ 2,367	\$ 18,530	\$ 359	\$ 925	\$ 278	\$ 3,930	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2028	\$ 15,060	4.461%	\$ 2,145	\$ (222)	\$ (51)	\$ 4	\$ 2,367	\$ 16,215	\$ 314	\$ 809	\$ 244	\$ 3,734	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2029	\$ 12,694	4.462%	\$ 2,146	\$ (221)	\$ (51)	\$ (48)	\$ 2,367	\$ 13,899	\$ 270	\$ 694	\$ 209	\$ 3,539	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2030	\$ 10,327	4.461%	\$ 2,145	\$ (222)	\$ (51)	\$ (99)	\$ 2,367	\$ 11,583	\$ 225	\$ 578	\$ 174	\$ 3,344	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2031	\$ 7,960	4.462%	\$ 2,146	\$ (221)	\$ (51)	\$ (150)	\$ 2,367	\$ 9,268	\$ 180	\$ 463	\$ 139	\$ 3,148	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2032	\$ 5,593	4.461%	\$ 2,145	\$ (222)	\$ (51)	\$ (201)	\$ 2,367	\$ 6,952	\$ 135	\$ 347	\$ 104	\$ 2,953	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2033	\$ 3,226	4.462%	\$ 2,146	\$ (221)	\$ (51)	\$ (252)	\$ 2,367	\$ 4,637	\$ 90	\$ 231	\$ 70	\$ 2,758	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2034	\$ 859	4.461%	\$ 2,145	\$ (222)	\$ (51)	\$ (304)	\$ 2,367	\$ 2,321	\$ 45	\$ 116	\$ 35	\$ 2,563	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
2035 SIX MONTHS (f)	\$ (258)	2.231%	\$ 1,073	\$ (44)	\$ (10)	\$ (314)	\$ 1,117	\$ 610	\$ 12	\$ 30	\$ 9	\$ 1,168	\$ 4,887	\$ 493	\$ 9,404	\$ 4,906	\$ 8,847
TOTAL		100.000%	\$ 47,942	\$ (1,375)		\$	\$ 49,318		\$ 9,254	\$ 23,847	\$ 8,512	\$ 90,930	\$ 37,216				

Notes:
(a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
(b) From Exhibit I-E, Adjusted Demand Allocator using NC Retail 2020 cost of service study in Docket E-2, Sub 1274.
(c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
(d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
(e) From Exhibit C-9-TU, Column A.
(f) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-TU, Line 11.

	2020		Future	
	Ending	Deferral	Revenue Streams	Total
Net present value	\$ 8,847	\$	\$ 37,216	\$ 46,063
Annual payment	\$ 929	\$	\$ 3,907	\$ 4,835
Monthly payment	\$ 77	\$	\$ 326	\$ 403

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE MAYO COAL STATION - ACTUAL
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMER
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	2019	2020	2021	2022	2023
ASSUMPTIONS:						
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 178,639 (a)					
LAND COST AT JULY 31, 2015	\$ 3,300 (a)					
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 100,546 (a)					
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 81,392					
RETIREMENT DATE	6/20/2035 (a)					
LEVELIZATION PERIOD IN MONTHS	239 (a)					
TAX LIFE	20 (a)					
COMPOSITE TAX RATE	35.16% (a)	23.17% (b)	23.13% (d)	23.13% (d)	23.13% (d)	23.13% (d)
AFTER-TAX COST OF CAPITAL	6.5956% (a)	6.4476% (c)	6.4484% (e)	6.2977% (f)	6.2977% (g)	6.4555% (h)
DEPRECIATION RATE	3.0324% (a)					
FIRST YEAR BOOK DEPRECIATION RATE	1.2510%					
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9440% (c)	1.9440% (e)	1.9392% (f)	1.9392% (g)	1.8941% (i)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	5.1480% (c)	5.1480% (e)	4.9920% (f)	4.9920% (g)	5.1940% (j)
NC RETAIL ALLOCATION FACTOR	60.2760% (a)	60.7507% (c)	61.5775% (e)	62.2027% (f)	61.8250% (g)	62.8152% (k)

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL		TAX ANNUAL DEPRECIATION	TAX DEPR. MINUS BOOK DEPR.	ANNUAL DEF. TAXES FROM DEPR.	DEFERRED TAX BALANCE	BOOK DEPRECIATION	AVERAGE INVESTMENT FOR THE YEAR	COST OF CAPITAL		INCOME TAXES	NC RETAIL REVENUE	NC RETAIL REVENUE PRES VALUE	ESTIMATED NC RETAIL REVENUE	NC RETAIL REVENUE TRUE-UP AMOUNT	LEVELIZED NC RETAIL REVENUE	CURRENT MONTH DEFERRAL	CUMULATIVE DEFERRAL PLUS INTEREST	DEFERRAL PRESENT VALUE
	END OF PERIOD INVESTMENT BALANCE	MACRS RATE FOR 20 YR PROPERTY (I)							INTEREST	EQUITY									
	(Col A)	(Col B)	(Col C)	(Col D)	(Col E)	(Col F)	(Col G)	(Col H)	(Col I)	(Col J)	(Col K)	(Col L)	(Col M)	(Col N)	(Col O)	(Col P)	(Col Q) (L - P)	(Col R)	(Col S)
Beg Balance July 31, 2015	\$ 49,060		\$ 1,765	\$ 401	\$ 141	\$ 141	\$ 1,365	\$ 48,310	\$ 432	\$ 1,088	\$ 590	\$ 3,475				\$ 2,495	\$ 980	\$ 996	
2015			\$ 3,416	\$ 133	\$ 46	\$ 187	\$ 3,283	\$ 45,889	\$ 986	\$ 2,481	\$ 1,312	\$ 8,061				\$ 5,755	\$ 2,306	\$ 3,457	
2016			\$ 3,198	\$ (110)	\$ (87)	\$ 100	\$ 3,308	\$ 42,592	\$ 915	\$ 2,303	\$ 1,187	\$ 7,712				\$ 5,737	\$ 1,975	\$ 5,742	
2017			\$ 2,968	\$ 599	\$ 141	\$ 240	\$ 2,369	\$ 39,750	\$ 790	\$ 2,068	\$ 635	\$ 5,863				\$ 4,891	\$ 972	\$ 7,135	
2018			\$ 2,710	\$ 341	\$ 79	\$ 319	\$ 2,369	\$ 37,271	\$ 725	\$ 1,919	\$ 579	\$ 5,591				\$ 4,887	\$ 704	\$ 8,339	
2019			\$ 2,541	\$ 172	\$ 40	\$ 359	\$ 2,369	\$ 34,842	\$ 677	\$ 1,794	\$ 540	\$ 5,380				\$ 4,887	\$ 493	\$ 9,404	
2020			\$ 2,374	\$ 7	\$ 2	\$ 361	\$ 2,368	\$ 32,453	\$ 630	\$ 1,642	\$ 494	\$ 5,133				\$ 4,835	\$ 298	\$ 10,330	
2021			\$ 2,183	\$ (184)	\$ (42)	\$ 318	\$ 2,367	\$ 30,106	\$ 584	\$ 1,503	\$ 452	\$ 4,906				\$ 4,835	\$ 70	\$ 11,074	
2022																			
2023																			
January	\$ 29,065	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 315	\$ 197	\$ 28,847	\$ 47	\$ 120	\$ 36	\$ 400	\$ 400	\$ (0.051)	\$ 403	\$ (3)	\$ 11,129		
February	\$ 28,868	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 312	\$ 197	\$ 28,654	\$ 46	\$ 119	\$ 36	\$ 399	\$ 399	\$ (0.050)	\$ 403	\$ (4)	\$ 11,183		
March	\$ 28,671	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 308	\$ 197	\$ 28,460	\$ 46	\$ 118	\$ 36	\$ 397	\$ 397	\$ (0.056)	\$ 403	\$ (6)	\$ 11,236		
April	\$ 28,474	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 305	\$ 197	\$ 28,266	\$ 46	\$ 118	\$ 35	\$ 396	\$ 396	\$ (0.063)	\$ 403	\$ (7)	\$ 11,288		
May	\$ 28,279	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 301	\$ 197	\$ 28,072	\$ 45	\$ 117	\$ 35	\$ 395	\$ 395	\$ (0.068)	\$ 403	\$ (8)	\$ 11,338		
June	\$ 28,079	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 298	\$ 197	\$ 27,878	\$ 45	\$ 116	\$ 35	\$ 393	\$ 393	\$ (0.073)	\$ 403	\$ (10)	\$ 11,388		
July	\$ 27,882	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 294	\$ 197	\$ 27,685	\$ 45	\$ 115	\$ 35	\$ 392	\$ 392	\$ (0.082)	\$ 403	\$ (11)	\$ 11,437		
August	\$ 27,685	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 291	\$ 197	\$ 27,491	\$ 44	\$ 114	\$ 34	\$ 390	\$ 391	\$ (0.089)	\$ 403	\$ (13)	\$ 11,484		
September	\$ 27,488	4.462%	\$ 182	\$ (15)	\$ (3)	\$ 288	\$ 197	\$ 27,297	\$ 44	\$ 114	\$ 34	\$ 389	\$ 389	\$ (0.086)	\$ 403	\$ (14)	\$ 11,530		
October	\$ 27,290	4.462%	\$ 182	\$ (16)	\$ (4)	\$ 284	\$ 198	\$ 27,103	\$ 43	\$ 117	\$ 35	\$ 393	\$ 388	\$ 5.551	\$ 403	\$ (10)	\$ 11,583		
November	\$ 27,092	4.462%	\$ 182	\$ (16)	\$ (4)	\$ 280	\$ 198	\$ 26,908	\$ 42	\$ 116	\$ 35	\$ 393	\$ 386	\$ 5.493	\$ 403	\$ (11)	\$ 11,634		
December	\$ 26,894	4.462%	\$ 182	\$ (16)	\$ (4)	\$ 277	\$ 198	\$ 26,714	\$ 42	\$ 116	\$ 35	\$ 391	\$ 385	\$ 5.453	\$ 403	\$ (12)	\$ 11,684		
2023	\$ 26,894	4.462%	\$ 2,189	\$ (180)	\$ (42)	\$ 277	\$ 2,369	\$ 27,781	\$ 536	\$ 1,400	\$ 421	\$ 4,727			\$ 15,878	\$ 4,835	\$ (109)	\$ 11,684	

- Notes:
- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
 - (b) The composite tax rate and after tax costs of capital were updated January 1, 2019 as a result of the reduction in the NC state tax rate.
 - (c) As filed with the Commission under Docket E-2, Sub 1253.
 - (d) The composite tax rate and after tax costs of capital were updated January 1, 2020 as a result of a change in the apportionment factors.
 - (e) As filed with the Commission under Docket E-2, Sub 1274.
 - (f) As filed with the Commission under Docket E-2, Sub 1295.
 - (g) As filed with the Commission under Docket E-2, Sub 1324.
 - (h) From Exhibit J-TU, Column D, Line 14.
 - (i) From Exhibit J-TU, Column E, Line 11.
 - (j) From Exhibit J-TU, Column D, Line 12.
 - (k) From Exhibit I-TU.
 - (l) From Exhibit C-9-TU, Column A.

	Latest Levelized Payment Calculations		
	2020 Ending Deferral	Future Revenue Streams 2021 Forward	Total
Net present value	\$ 8,847	\$ 37,216	\$ 46,063
Annual payment	\$ 929	\$ 3,907	\$ 4,835
Monthly payment	\$ 77	\$ 326	\$ 403

EXHIBIT C-5-Estimate-TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE ROXBORO COAL STATION - ESTIMATE
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	REVISIONS FOR 2021
ASSUMPTIONS:		
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 72,950 (a)	
LAND COST AT JULY 31, 2015	\$ 1 (a)	
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 62,539 (a)	
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 10,412	
RETIREMENT DATE	6/20/2035 (a)	
LEVELIZATION PERIOD IN MONTHS	239 (a)	
TAX LIFE	20 (a)	
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)
AFTER-TAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)
DEPRECIATION RATE	1.8678% (a)	
FIRST YEAR BOOK DEPRECIATION RATE	0.7783%	
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9392% (d)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	4.9920% (d)
NC RETAIL ALLOCATION FACTOR	61.57749% (b)	

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 20 YR PROPERTY (e) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION YEAR (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST (Col I)	EQUITY (Col J)							
Beg Balance July 31, 2015	\$ 6,276																
2015	\$ 6,079	3.750%	\$ 235	\$ 38	\$ 13	\$ 13	\$ 197	\$ 6,171	\$ 55	\$ 139	\$ 75	\$ 467	\$ 395	\$ 72	\$ 73		
2016	\$ 5,604	7.219%	\$ 455	\$ (19)	\$ 7	\$ 7	\$ 475	\$ 5,831	\$ 125	\$ 315	\$ 167	\$ 1,082	\$ 908	\$ 174	\$ 258		
2017	\$ 5,122	6.677%	\$ 426	\$ (55)	\$ (15)	\$ (8)	\$ 482	\$ 5,366	\$ 115	\$ 290	\$ 149	\$ 1,036	\$ 899	\$ 137	\$ 418		
2018	\$ 4,786	6.177%	\$ 396	\$ 59	\$ 14	\$ 5	\$ 336	\$ 4,956	\$ 99	\$ 258	\$ 79	\$ 772	\$ 622	\$ 150	\$ 602		
2019	\$ 4,450	5.713%	\$ 361	\$ 25	\$ 6	\$ 11	\$ 336	\$ 4,610	\$ 90	\$ 237	\$ 72	\$ 735	\$ 621	\$ 113	\$ 760		
2020	\$ 4,114	5.285%	\$ 339	\$ 3	\$ 1	\$ 12	\$ 336	\$ 4,270	\$ 83	\$ 220	\$ 66	\$ 705	\$ 622	\$ 83	\$ 897	\$ 844	
2021	\$ 3,804	4.888%	\$ 313	\$ 4	\$ 0	\$ 12	\$ 309	\$ 3,947	\$ 77	\$ 199	\$ 60	\$ 645	\$ 607				
2022	\$ 3,514	4.522%	\$ 290	\$ (0)	\$ (0)	\$ 12	\$ 290	\$ 3,647	\$ 71	\$ 182	\$ 55	\$ 598	\$ 529				
2023 January	\$ 3,490	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 12	\$ 24	\$ 3,490	\$ 6	\$ 15	\$ 4	\$ 49					
February	\$ 3,486	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 12	\$ 24	\$ 3,466	\$ 6	\$ 14	\$ 4	\$ 49					
March	\$ 3,441	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 12	\$ 24	\$ 3,442	\$ 6	\$ 14	\$ 4	\$ 48					
April	\$ 3,417	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 12	\$ 24	\$ 3,418	\$ 6	\$ 14	\$ 4	\$ 48					
May	\$ 3,393	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 12	\$ 24	\$ 3,394	\$ 5	\$ 14	\$ 4	\$ 48					
June	\$ 3,369	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 11	\$ 24	\$ 3,370	\$ 5	\$ 14	\$ 4	\$ 48					
July	\$ 3,345	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 11	\$ 24	\$ 3,345	\$ 5	\$ 14	\$ 4	\$ 48					
August	\$ 3,321	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 11	\$ 24	\$ 3,321	\$ 5	\$ 14	\$ 4	\$ 48					
September	\$ 3,296	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 11	\$ 24	\$ 3,297	\$ 5	\$ 14	\$ 4	\$ 47					
October	\$ 3,272	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 11	\$ 24	\$ 3,273	\$ 5	\$ 14	\$ 4	\$ 47					
November	\$ 3,248	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 11	\$ 24	\$ 3,249	\$ 5	\$ 14	\$ 4	\$ 47					
December	\$ 3,224	4.462%	\$ 24	\$ (0)	\$ (0)	\$ 11	\$ 24	\$ 3,225	\$ 5	\$ 13	\$ 4	\$ 47					
2023	\$ 3,224	4.462%	\$ 286	\$ (4)	\$ (1)	\$ 11	\$ 290	\$ 3,357	\$ 65	\$ 168	\$ 50	\$ 573	\$ 477				
2024	\$ 2,934	4.461%	\$ 286	\$ (4)	\$ (1)	\$ 10	\$ 290	\$ 3,068	\$ 59	\$ 153	\$ 46	\$ 549	\$ 430				
2025	\$ 2,643	4.462%	\$ 286	\$ (4)	\$ (1)	\$ 9	\$ 290	\$ 2,779	\$ 54	\$ 139	\$ 42	\$ 525	\$ 387				
2026	\$ 2,353	4.461%	\$ 286	\$ (4)	\$ (1)	\$ 8	\$ 290	\$ 2,490	\$ 48	\$ 124	\$ 37	\$ 500	\$ 347				
2027	\$ 2,063	4.462%	\$ 286	\$ (4)	\$ (1)	\$ 7	\$ 290	\$ 2,200	\$ 43	\$ 110	\$ 33	\$ 476	\$ 310				
2028	\$ 1,773	4.461%	\$ 286	\$ (4)	\$ (1)	\$ 6	\$ 290	\$ 1,911	\$ 37	\$ 95	\$ 29	\$ 451	\$ 277				
2029	\$ 1,483	4.462%	\$ 286	\$ (4)	\$ (1)	\$ 5	\$ 290	\$ 1,622	\$ 31	\$ 81	\$ 24	\$ 427	\$ 246				
2030	\$ 1,192	4.461%	\$ 286	\$ (4)	\$ (1)	\$ 4	\$ 290	\$ 1,333	\$ 26	\$ 67	\$ 20	\$ 403	\$ 219				
2031	\$ 902	4.462%	\$ 286	\$ (4)	\$ (1)	\$ 3	\$ 290	\$ 1,044	\$ 20	\$ 52	\$ 16	\$ 378	\$ 193				
2032	\$ 612	4.461%	\$ 286	\$ (4)	\$ (1)	\$ 2	\$ 290	\$ 754	\$ 15	\$ 38	\$ 11	\$ 354	\$ 170				
2033	\$ 322	4.462%	\$ 286	\$ (4)	\$ (1)	\$ 1	\$ 290	\$ 465	\$ 9	\$ 23	\$ 7	\$ 329	\$ 149				
2034	\$ 31	4.461%	\$ 286	\$ (4)	\$ (1)	\$ 0	\$ 290	\$ 176	\$ 3	\$ 9	\$ 3	\$ 305	\$ 130				
2035 SIX MONTHS (f)	\$ (106)	2.231%	\$ 143	\$ 6	\$ 1	\$ 2	\$ 137	\$ (38)	\$ (1)	\$ (2)	\$ (1)	\$ 134	\$ 54				
TOTAL		100.000%	\$ 6,391	\$ 10		\$	6,382	\$ 1,124	\$ 2,897	\$ 1,041	\$ 11,444	\$ 4,524					

Notes:
(a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
(b) From Exhibit I-E, Adjusted Demand Allocator using NC Retail 2020 cost of service study in Docket E-2, Sub 1274.
(c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
(d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
(e) From Exhibit C-9-TU, Column A.
(f) The ending NC Retail End of Period Investment Balance equals the NC retail share of cost of removal. See Exhibit C-11-TU, Line 12.

	2020 Ending Deferral	Future Revenue Streams 2021 Forward	Total
Net present value	\$ 844	\$ 4,524	\$ 5,369
Annual payment	\$ 89	\$ 475	\$ 564
Monthly payment	\$ 7	\$ 40	\$ 47

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE ROXBORO COAL STATION - ACTUAL
NC RETAIL ALLOCATION FACTORS APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	2019	2020	2021	2022	2023
ASSUMPTIONS:						
GROSS DEPRECIABLE PLANT AT JULY 31, 2015	\$ 72,950 (a)					
LAND COST AT JULY 31, 2015	\$ 1 (a)					
ACCUMULATED DEPRECIATION AT JULY 31, 2015	\$ 62,539 (a)					
NET PLANT EXCLUDING ACQUISITION COSTS	\$ 10,412					
RETIREMENT DATE	6/20/2035 (a)					
LEVELIZATION PERIOD IN MONTHS	239 (a)					
TAX LIFE	20 (a)					
COMPOSITE TAX RATE	35.16% (a)	23.17% (b)	23.13% (d)	23.13% (d)	23.13% (d)	23.13% (d)
AFTER-TAX COST OF CAPITAL	6.5956% (a)	6.4476% (c)	6.4484% (e)	6.2977% (f)	6.2977% (g)	6.4555% (h)
DEPRECIATION RATE	1.8678% (a)					
FIRST YEAR BOOK DEPRECIATION RATE	0.7783%					
WEIGHTED ANNUAL INTEREST RATE	2.1479% (a)	1.9440% (c)	1.9440% (e)	1.9392% (f)	1.9392% (g)	1.8941% (i)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (a)	5.1480% (c)	5.1480% (e)	4.9920% (f)	4.9920% (g)	5.1940% (j)
NC RETAIL ALLOCATION FACTOR	60.2760% (a)	60.7507% (c)	61.5775% (e)	62.2027% (f)	61.8250% (g)	62.8152% (k)

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 20 YR PROPERTY (I) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK DEPRECIATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	ESTIMATED NC RETAIL REVENUE (Col N)	NC RETAIL REVENUE TRUE-UP AMOUNT (Col O)	LEVELIZED NC RETAIL REVENUE (Col P)	CURRENT MONTH DEFERRAL (Col Q)	CUMULATIVE DEFERRAL PLUS INTEREST (Col R)	DEFERRAL PRESENT VALUE (Col S)
									INTEREST (Col I)	EQUITY (Col J)									
2015	\$ 6,276		\$ 235	\$ 38	\$ 13	\$ 13	\$ 197	\$ 6,171	\$ 55	\$ 139	\$ 75	\$ 467				\$ 395	\$ 72	\$ 73	
2016			\$ 455	\$ (19)	\$ (7)	\$ 7	\$ 475	\$ 5,832	\$ 125	\$ 315	\$ 167	\$ 1,082				\$ 908	\$ 174	\$ 258	
2017			\$ 426	\$ (55)	\$ (15)	\$ (9)	\$ 482	\$ 5,366	\$ 115	\$ 290	\$ 149	\$ 1,036				\$ 899	\$ 137	\$ 418	
2018			\$ 396	\$ 59	\$ 14	\$ 5	\$ 336	\$ 4,956	\$ 99	\$ 258	\$ 79	\$ 772				\$ 622	\$ 150	\$ 602	
2019			\$ 361	\$ 25	\$ 6	\$ 11	\$ 336	\$ 4,610	\$ 90	\$ 237	\$ 72	\$ 735				\$ 621	\$ 113	\$ 760	
2020			\$ 339	\$ 2	\$ 1	\$ 12	\$ 336	\$ 4,270	\$ 83	\$ 220	\$ 66	\$ 705				\$ 621	\$ 84	\$ 897	
2021			\$ 317	\$ 7	\$ 2	\$ 13	\$ 309	\$ 3,942	\$ 77	\$ 199	\$ 60	\$ 645				\$ 564	\$ 82	\$ 1,041	
2022			\$ 291	\$ 1	\$ 0	\$ 14	\$ 290	\$ 3,646	\$ 71	\$ 182	\$ 55	\$ 598				\$ 564	\$ 34	\$ 1,144	
2023																			
2023 January	\$ 3,490	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,488	\$ 6	\$ 15	\$ 4	\$ 49	\$ 49	\$ (0.012)	\$ 47	\$ 2	\$ 1,152		
2023 February	\$ 3,466	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,464	\$ 6	\$ 14	\$ 4	\$ 49	\$ 49	\$ (0.012)	\$ 47	\$ 2	\$ 1,160		
2023 March	\$ 3,441	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,440	\$ 6	\$ 14	\$ 4	\$ 48	\$ 48	\$ (0.012)	\$ 47	\$ 1	\$ 1,167		
2023 April	\$ 3,417	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,416	\$ 6	\$ 14	\$ 4	\$ 48	\$ 48	\$ (0.012)	\$ 47	\$ 1	\$ 1,174		
2023 May	\$ 3,393	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,391	\$ 5	\$ 14	\$ 4	\$ 48	\$ 48	\$ (0.028)	\$ 47	\$ 1	\$ 1,182		
2023 June	\$ 3,369	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,367	\$ 5	\$ 14	\$ 4	\$ 48	\$ 48	\$ (0.027)	\$ 47	\$ 1	\$ 1,189		
2023 July	\$ 3,345	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,343	\$ 5	\$ 14	\$ 4	\$ 48	\$ 48	\$ (0.022)	\$ 47	\$ 1	\$ 1,196		
2023 August	\$ 3,321	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,319	\$ 5	\$ 14	\$ 4	\$ 48	\$ 48	\$ (0.022)	\$ 47	\$ 1	\$ 1,202		
2023 September	\$ 3,296	4.462%	\$ 24	\$ 0	\$ 0	\$ 14	\$ 24	\$ 3,295	\$ 5	\$ 14	\$ 4	\$ 47	\$ 47	\$ (0.022)	\$ 47	\$ 0	\$ 1,209		
2023 October	\$ 3,271	4.462%	\$ 24	\$ (1)	\$ (0)	\$ 14	\$ 25	\$ 3,270	\$ 5	\$ 14	\$ 4	\$ 48	\$ 47	\$ 1,280	\$ 47	\$ 2	\$ 1,217		
2023 November	\$ 3,247	4.462%	\$ 24	\$ (1)	\$ (0)	\$ 14	\$ 25	\$ 3,245	\$ 5	\$ 14	\$ 4	\$ 48	\$ 47	\$ 1,272	\$ 47	\$ 1	\$ 1,225		
2023 December	\$ 3,222	4.462%	\$ 24	\$ (1)	\$ (0)	\$ 14	\$ 25	\$ 3,221	\$ 5	\$ 14	\$ 4	\$ 48	\$ 47	\$ 1,268	\$ 47	\$ 1	\$ 1,233		
2023	\$ 3,222	4.462%	\$ 292	\$ (1)	\$ (0)	\$ 13	\$ 292	\$ 3,354	\$ 65	\$ 169	\$ 51	\$ 577		\$ 3,653	\$ 564	\$ 13	\$ 1,233		

Latest Levelized Payment Calculations

	2020		Future		Total
	Ending Deferral	Revenue	2021 Forward	Streams	
Net present value	\$ 844	\$ 4,524	\$ 475	\$ 5,369	\$ 5,369
Annual payment	\$ 89	\$ 475	\$ 475	\$ 564	\$ 564
Monthly payment	\$ 7	\$ 40	\$ 40	\$ 47	\$ 47

- Notes:
- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
 - (b) The composite tax rate and after tax costs of capital were updated January 1, 2019 as a result of the reduction in the NC state tax rate.
 - (c) As filed with the Commission under Docket E-2, Sub 1253.
 - (d) The composite tax rate and after tax costs of capital were updated January 1, 2020 as a result of a change in the apportionment factors.
 - (e) As filed with the Commission under Docket E-2, Sub 1274.
 - (f) As filed with the Commission under Docket E-2, Sub 1295.
 - (g) As filed with the Commission under Docket E-2, Sub 1324.
 - (h) From Exhibit J-TU, Column D, Line 14.
 - (i) From Exhibit J-TU, Column E, Line 11.
 - (j) From Exhibit J-TU, Column D, Line 12.
 - (k) From Exhibit I-TU.
 - (l) From Exhibit C-9-TU, Column A.

EXHIBIT C-6-Estimate-TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE ACQUISITION ADJUSTMENT
TOTAL COMPANY AMOUNTS INC RETAIL ALLOCATION FACTORS TO BE APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS)
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

	2015	REVISIONS FOR 2021
ASSUMPTIONS:		
ACQUISITION COSTS	\$ 349,802 (a)	
LAST MONTH OF AMORTIZATION	12/31/2042 (a)	
LEVELIZATION PERIOD IN MONTHS	329 (a)	
TAX LIFE	15 (a)	
COMPOSITE TAX RATE	35.16% (a)	23.13% (c)
AFTERTAX COST OF CAPITAL	6.5956% (a)	6.2977% (d)
AMORTIZATION RATE	3.6474% (a)	
FIRST YEAR AMORTIZATION RATE	1.5198% (a)	
WEIGHTED INTEREST RATE	2.1470% (a)	1.9392% (d)
WEIGHTED NET OF TAX EQUITY RATE	3.4000% (a)	4.9920% (d)
NC RETAIL ALLOCATION FACTOR	61.57749% (b)	

REVISIONS BASED ON 2020 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (e) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	AVERAGE BOOK AMORTIZATION (Col G)	INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	LEVELIZED NC RETAIL REVENUE (Col N)	CURRENT MONTH DEFERRAL (Col O)	CUMULATIVE DEFERRAL PLUS INTEREST (Col P)	DEFERRAL PRESENT VALUE (Col Q)
									INTEREST (Col I)	EQUITY (Col J)							
Begin Balance July 31, 2015	\$ 210,847																
2016	\$ 199,911	5.000%	\$ 10,542	\$ 7,338	\$ 2,580	\$ 2,580	\$ 3,204	\$ 207,955	\$ 1,861	\$ 4,684	\$ 2,540	\$ 12,200	\$ 8,500	\$ 3,790	\$ 3,853		
2017	\$ 192,085	5.000%	\$ 20,138	\$ 12,406	\$ 4,291	\$ 4,291	\$ 7,732	\$ 189,051	\$ 4,275	\$ 10,761	\$ 5,690	\$ 28,458	\$ 19,824	\$ 8,634	\$ 13,072		
2018	\$ 184,235	5.000%	\$ 18,345	\$ 10,519	\$ 240	\$ 7,112	\$ 7,826	\$ 187,477	\$ 4,027	\$ 10,135	\$ 5,223	\$ 27,211	\$ 19,746	\$ 7,465	\$ 21,709		
2019	\$ 176,484	5.000%	\$ 16,572	\$ 8,722	\$ 2,050	\$ 9,162	\$ 7,850	\$ 180,023	\$ 3,578	\$ 9,366	\$ 2,877	\$ 23,672	\$ 18,219	\$ 5,452	\$ 28,815		
2020	\$ 168,627	5.000%	\$ 14,727	\$ 6,976	\$ 1,616	\$ 10,778	\$ 7,751	\$ 170,390	\$ 3,312	\$ 8,772	\$ 2,645	\$ 22,480	\$ 18,201	\$ 4,279	\$ 35,165		
2021	\$ 160,771	5.000%	\$ 13,419	\$ 5,563	\$ 1,287	\$ 12,064	\$ 7,857	\$ 161,134	\$ 3,132	\$ 8,256	\$ 2,496	\$ 21,780	\$ 18,201	\$ 3,579	\$ 41,211	\$ 38,769	
2022	\$ 152,914	5.000%	\$ 12,709	\$ 4,852	\$ 1,122	\$ 13,187	\$ 7,857	\$ 152,073	\$ 2,952	\$ 7,692	\$ 2,315	\$ 20,815	\$ 19,582				
2023	\$ 145,058	5.000%	\$ 12,709	\$ 4,852	\$ 1,122	\$ 14,309	\$ 7,857	\$ 143,095	\$ 2,775	\$ 7,143	\$ 2,149	\$ 19,924	\$ 17,633				
2023 January	\$ 152,259	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 14,403	\$ 655	\$ 138,231	\$ 223	\$ 575	\$ 173	\$ 1,626					
2023 February	\$ 151,605	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 14,497	\$ 655	\$ 137,482	\$ 222	\$ 572	\$ 172	\$ 1,621					
2023 March	\$ 150,950	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 14,591	\$ 655	\$ 136,734	\$ 221	\$ 569	\$ 171	\$ 1,616					
2023 April	\$ 150,295	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 14,685	\$ 655	\$ 135,985	\$ 220	\$ 566	\$ 170	\$ 1,610					
2023 May	\$ 149,641	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 14,779	\$ 655	\$ 135,236	\$ 219	\$ 563	\$ 169	\$ 1,605					
2023 June	\$ 148,986	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 14,873	\$ 655	\$ 134,488	\$ 217	\$ 559	\$ 168	\$ 1,600					
2023 July	\$ 148,331	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 14,967	\$ 655	\$ 133,739	\$ 216	\$ 556	\$ 167	\$ 1,595					
2023 August	\$ 147,677	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 15,061	\$ 655	\$ 132,990	\$ 215	\$ 553	\$ 166	\$ 1,589					
2023 September	\$ 147,022	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 15,155	\$ 655	\$ 132,242	\$ 214	\$ 550	\$ 166	\$ 1,584					
2023 October	\$ 146,367	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 15,248	\$ 655	\$ 131,493	\$ 212	\$ 547	\$ 165	\$ 1,579					
2023 November	\$ 145,712	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 15,342	\$ 655	\$ 130,744	\$ 211	\$ 544	\$ 164	\$ 1,574					
2023 December	\$ 145,058	5.910%	\$ 1,061	\$ 406	\$ 94	\$ 15,436	\$ 655	\$ 129,996	\$ 210	\$ 541	\$ 163	\$ 1,568					
2023	\$ 145,058	5.910%	\$ 12,730	\$ 4,874	\$ 1,127	\$ 15,436	\$ 7,857	\$ 134,113	\$ 2,601	\$ 6,695	\$ 2,014	\$ 19,167	\$ 15,958				
2024	\$ 137,201	5.900%	\$ 12,709	\$ 4,852	\$ 1,122	\$ 16,559	\$ 7,857	\$ 125,132	\$ 2,427	\$ 6,247	\$ 1,880	\$ 18,409	\$ 14,419				
2025	\$ 129,345	5.910%	\$ 12,730	\$ 4,874	\$ 1,127	\$ 17,686	\$ 7,857	\$ 116,151	\$ 2,252	\$ 5,798	\$ 1,745	\$ 17,652	\$ 13,007				
2026	\$ 121,488	5.900%	\$ 12,709	\$ 4,852	\$ 1,122	\$ 18,809	\$ 7,857	\$ 107,169	\$ 2,078	\$ 5,350	\$ 1,610	\$ 16,894	\$ 11,711				
2027	\$ 113,632	5.910%	\$ 12,730	\$ 4,874	\$ 1,127	\$ 19,935	\$ 7,857	\$ 98,188	\$ 1,904	\$ 4,902	\$ 1,475	\$ 16,137	\$ 10,523				
2028	\$ 105,775	5.900%	\$ 12,709	\$ 4,852	\$ 1,122	\$ 21,058	\$ 7,857	\$ 89,207	\$ 1,730	\$ 4,453	\$ 1,340	\$ 15,380	\$ 9,435				
2029	\$ 97,919	5.910%	\$ 12,730	\$ 4,874	\$ 1,127	\$ 22,185	\$ 7,857	\$ 80,226	\$ 1,556	\$ 4,005	\$ 1,205	\$ 14,622	\$ 8,439				
2030	\$ 90,062	2.950%	\$ 6,354	\$ (1,502)	\$ (247)	\$ 21,837	\$ 7,857	\$ 71,379	\$ 1,396	\$ 3,593	\$ 1,061	\$ 13,927	\$ 7,562				
2031	\$ 82,206	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 20,020	\$ 7,857	\$ 65,205	\$ 1,264	\$ 3,255	\$ 979	\$ 13,355	\$ 6,822				
2032	\$ 74,349	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 18,203	\$ 7,857	\$ 59,166	\$ 1,147	\$ 2,954	\$ 889	\$ 12,846	\$ 6,173				
2033	\$ 66,493	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 16,386	\$ 7,857	\$ 53,126	\$ 1,030	\$ 2,652	\$ 798	\$ 12,337	\$ 5,577				
2034	\$ 58,636	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 14,569	\$ 7,857	\$ 47,087	\$ 913	\$ 2,351	\$ 707	\$ 11,827	\$ 5,030				
2035	\$ 50,780	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 12,751	\$ 7,857	\$ 41,048	\$ 796	\$ 2,049	\$ 617	\$ 11,318	\$ 4,528				
2036	\$ 42,923	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 10,934	\$ 7,857	\$ 35,009	\$ 679	\$ 1,748	\$ 526	\$ 10,809	\$ 4,068				
2037	\$ 35,067	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 9,117	\$ 7,857	\$ 28,969	\$ 562	\$ 1,446	\$ 435	\$ 10,300	\$ 3,647				
2038	\$ 27,210	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 7,300	\$ 7,857	\$ 22,930	\$ 445	\$ 1,145	\$ 344	\$ 9,790	\$ 3,261				
2039	\$ 19,354	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 5,483	\$ 7,857	\$ 16,891	\$ 328	\$ 843	\$ 254	\$ 9,281	\$ 2,908				
2040	\$ 11,497	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 3,665	\$ 7,857	\$ 10,851	\$ 210	\$ 542	\$ 163	\$ 8,772	\$ 2,586				
2041	\$ 3,641	0.000%	\$ -	\$ (7,857)	\$ (1,817)	\$ 1,848	\$ 7,857	\$ 4,812	\$ 93	\$ 240	\$ 72	\$ 8,262	\$ 2,291				
2042	\$ -	0.000%	\$ -	\$ (3,641)	\$ (842)	\$ 1,006	\$ 3,641	\$ 393	\$ 8	\$ 20	\$ 6	\$ 3,674	\$ 958				
	100.000%	\$ 214,561	\$ 3,714			\$ 210,847		\$ 49,332	\$ 127,134	\$ 44,076	\$ 431,390	\$ 176,119					

	2020 Ending	Future Revenue Streams		Total
		Deferral	2021 Forward	
Net present value	\$ 38,769	\$ 176,119	\$ 214,888	
Annual payment	\$ 3,303	\$ 15,007	\$ 18,310	
Monthly payment	\$ 275	\$ 1,251	\$ 1,526	

- Notes:
(a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
(b) From Exhibit I-E, Adjusted Demand Allocator using NC Retail 2020 cost of service study in Docket E-2, Sub 1274.
(c) The composite tax rate was updated January 1, 2020 as a result of a change in the state apportionment factors.
(d) Debt and equity return rates effective June 1, 2021 based on DEP's approved general rate case under Docket E-2, Sub 1219.
(e) From Exhibit C-9-TU, Column B.

EXHIBIT C-6 Actual -TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
LEVELIZED COST FOR THE ACQUISITION ADJUSTMENT - ACTUAL
TOTAL COMPANY AMOUNTS (NC RETAIL ALLOCATION FACTORS TO BE APPLIED TO DETERMINE RIDER AMOUNT FOR NC RETAIL CUSTOMERS)
LEVELIZATION ASSUMES ANNUAL REVENUE COLLECTED EVENLY THROUGHOUT THE YEAR
(Thousands of Dollars)

ASSUMPTIONS:	2015	2019	2020	2021	2022	2023
ACQUISITION COSTS	\$ 349,802 (a)					
LAST MONTH OF AMORTIZATION	12/31/2042 (a)					
LEVELIZATION PERIOD (IN MONTHS)	323 (a)					
TAX LIFE	15 (a)					
COMPOSITE TAX RATE	35.16% (a)	23.17% (b)	23.13% (d)	23.13% (d)	23.13% (d)	23.13% (d)
AFTER TAX COST OF CAPITAL	6.5566% (a)	6.4476% (c)	6.4484% (e)	6.2977% (f)	6.2977% (g)	6.4555% (h)
AMORTIZATION RATE	3.6474% (a)					
FIRST YEAR AMORTIZATION RATE	1.5198%					
WEIGHTED INTEREST RATE	2.1479% (a)	1.9440% (c)	1.9440% (e)	1.9392% (f)	1.9392% (g)	1.8941% (i)
WEIGHTED NET OF TAX EQUITY RATE	5.4060% (a)	5.1480% (c)	5.1480% (e)	4.9920% (f)	4.9920% (g)	5.1940% (j)
NC RETAIL ALLOCATION FACTOR	60.2760% (a)	60.7507% (c)	61.5775% (e)	62.2027% (f)	61.8250% (g)	62.8152% (k)

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (I) (Col B)	TAX ANNUAL DEPRECIATION (Col C)	TAX DEPR. MINUS BOOK DEPR. (Col D)	ANNUAL DEF. TAXES FROM DEPR. (Col E)	DEFERRED TAX BALANCE (Col F)	BOOK AMORTIZATION (Col G)	AVERAGE INVESTMENT FOR THE YEAR (Col H)	COST OF CAPITAL		INCOME TAXES (Col K)	NC RETAIL REVENUE (Col L)	NC RETAIL REVENUE PRES VALUE (Col M)	ESTIMATED NC RETAIL REVENUE (Col N)	NC RETAIL REVENUE TRUE-UP AMOUNT (Col O)	LEVELIZED NC RETAIL REVENUE (Col P)	CURRENT MONTH DEFERRAL (Col Q)	CUMULATIVE DEFERRAL PLUS INTEREST (Col R)	DEFERRAL PRESENT VALUE (Col S)	
									INTEREST (Col I)	EQUITY (Col J)										
Beg Balance July 31, 2015	\$ 210,847																			
2015			\$ 10,542	\$ 7,338	\$ 2,580	\$ 2,580	\$ 3,204	\$ 207,955	\$ 1,861	\$ 4,684	\$ 2,540	\$ 12,290				\$ 8,500	\$ 3,790	\$ 3,853		
2016			\$ 20,138	\$ 12,406	\$ 4,291	\$ 6,871	\$ 7,732	\$ 199,051	\$ 4,275	\$ 10,761	\$ 5,690	\$ 28,458				\$ 19,824	\$ 8,634	\$ 13,072		
2017			\$ 18,345	\$ 10,519	\$ 240	\$ 7,112	\$ 7,826	\$ 187,477	\$ 4,027	\$ 10,135	\$ 5,223	\$ 27,211				\$ 19,746	\$ 7,465	\$ 21,709		
2018			\$ 16,572	\$ 8,722	\$ 2,050	\$ 9,161	\$ 7,850	\$ 180,024	\$ 3,578	\$ 9,366	\$ 2,877	\$ 23,672				\$ 18,219	\$ 5,452	\$ 28,815		
2019			\$ 14,727	\$ 6,976	\$ 1,616	\$ 10,778	\$ 7,751	\$ 170,390	\$ 3,312	\$ 8,772	\$ 2,645	\$ 22,480				\$ 18,201	\$ 4,279	\$ 35,165		
2020			\$ 13,419	\$ 5,563	\$ 1,287	\$ 12,064	\$ 7,857	\$ 161,134	\$ 3,132	\$ 8,295	\$ 2,496	\$ 21,780				\$ 18,201	\$ 3,579	\$ 41,211		
2021			\$ 12,838	\$ 4,901	\$ 1,134	\$ 13,198	\$ 7,936	\$ 152,028	\$ 2,951	\$ 7,690	\$ 2,314	\$ 20,889				\$ 18,310	\$ 2,579	\$ 46,586		
2022			\$ 12,760	\$ 4,872	\$ 1,127	\$ 14,325	\$ 7,888	\$ 142,985	\$ 2,773	\$ 7,138	\$ 2,148	\$ 19,946				\$ 18,310	\$ 1,634	\$ 51,301		
2023			\$ 152,135	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 14,421	\$ 668	\$ 138,096	\$ 223	\$ 574	\$ 173	\$ 1,638	\$ 1,626	\$ 12,209	\$ 1,526	\$ 113	\$ 51,684	
February	\$ 151,467	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 14,517	\$ 668	\$ 137,332	\$ 222	\$ 571	\$ 172	\$ 1,633	\$ 1,621	\$ 12,105	\$ 1,526	\$ 107	\$ 52,063			
March	\$ 150,799	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 14,612	\$ 668	\$ 136,569	\$ 221	\$ 568	\$ 171	\$ 1,628	\$ 1,616	\$ 12,017	\$ 1,526	\$ 102	\$ 52,438			
April	\$ 150,131	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 14,708	\$ 668	\$ 135,805	\$ 219	\$ 565	\$ 170	\$ 1,622	\$ 1,610	\$ 11,892	\$ 1,526	\$ 96	\$ 52,810			
May	\$ 149,463	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 14,804	\$ 668	\$ 135,041	\$ 218	\$ 562	\$ 169	\$ 1,617	\$ 1,605	\$ 11,798	\$ 1,526	\$ 91	\$ 53,179			
June	\$ 148,796	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 14,900	\$ 668	\$ 134,278	\$ 217	\$ 559	\$ 168	\$ 1,612	\$ 1,600	\$ 11,690	\$ 1,526	\$ 86	\$ 53,544			
July	\$ 148,128	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 14,996	\$ 668	\$ 133,514	\$ 216	\$ 555	\$ 167	\$ 1,606	\$ 1,595	\$ 11,576	\$ 1,526	\$ 80	\$ 53,906			
August	\$ 147,460	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 15,092	\$ 668	\$ 132,750	\$ 215	\$ 552	\$ 166	\$ 1,601	\$ 1,589	\$ 11,472	\$ 1,526	\$ 75	\$ 54,264			
September	\$ 146,792	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 15,187	\$ 668	\$ 131,986	\$ 213	\$ 549	\$ 165	\$ 1,595	\$ 1,584	\$ 11,360	\$ 1,526	\$ 70	\$ 54,619			
October	\$ 146,124	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 15,283	\$ 668	\$ 131,223	\$ 207	\$ 548	\$ 171	\$ 1,614	\$ 1,579	\$ 35,067	\$ 1,526	\$ 88	\$ 55,001			
November	\$ 145,456	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 15,379	\$ 668	\$ 130,459	\$ 206	\$ 545	\$ 170	\$ 1,608	\$ 1,574	\$ 34,822	\$ 1,526	\$ 83	\$ 55,380			
December	\$ 144,788	\$ 5,910%	\$ 1,082	\$ 414	\$ 96	\$ 15,475	\$ 668	\$ 129,695	\$ 205	\$ 541	\$ 169	\$ 1,601	\$ 1,568	\$ 32,563	\$ 1,526	\$ 75	\$ 55,754			
2023	\$ 144,788	\$ 5,910%	\$ 12,986	\$ 4,972	\$ 1,150	\$ 15,475	\$ 8,014	\$ 133,896	\$ 2,582	\$ 6,750	\$ 2,031	\$ 19,377		\$ 1,568	\$ 208,571	\$ 18,310	\$ 1,065	\$ 55,754		

- Notes:
- (a) Based on the assumptions as filed with the Commission on June 22, 2016 on Docket E-2, Sub 1110.
 - (b) The composite tax rate and after tax costs of capital were updated January 1, 2019 as a result of the reduction in the NC state tax rate.
 - (c) As filed with the Commission under Docket E-2, Sub 1253.
 - (d) The composite tax rate and after tax costs of capital were updated January 1, 2020 as a result of a change in the apportionment factors.
 - (e) As filed with the Commission under Docket E-2, Sub 1274.
 - (f) As filed with the Commission under Docket E-2, Sub 1295.
 - (g) As filed with the Commission under Docket E-2, Sub 1324.
 - (h) From Exhibit J-TU, Column D, Line 14.
 - (i) From Exhibit J-TU, Column E, Line 11.
 - (j) From Exhibit J-TU, Column D, Line 12.
 - (k) From Exhibit I-TU.
 - (l) From Exhibit C-9-TU, Column B.

Latest Levelized Payment Calculations

	2020		Future		Total
	Ending Deferral	Revenue Streams	2021 Forward		
Net present value	\$ 38,769	\$ 176,119	\$ 176,119	\$ 214,888	\$ 214,888
Annual payment	\$ 3,303	\$ 15,007	\$ 15,007	\$ 18,310	\$ 18,310
Monthly payment	\$ 275	\$ 1,251	\$ 1,251	\$ 1,526	\$ 1,526

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
NET BOOK VALUE OF THE NCEMPA GENERATING ASSETS BY PLANT
(Thousands of Dollars)

Line No.	Plant	Calculation of Net Book Value as of: <u>7/31/2015</u> (Col A)
<u>Gross plant excluding Nuclear Fuel and land</u>		
1	Roxboro Unit 4 (including Roxboro Common)	\$ 72,950
2	Mayo Plant	\$ 178,639
3	Brunswick Unit 1	\$ 273,020
4	Brunswick Unit 2 (including Brunswick Common)	\$ 218,790
5	Harris Plant	\$ 895,848
6	Total NCEMPA gross book value of generation assets purchased	<u>\$ 1,639,247</u>
<u>Land recorded in plant in service</u>		
7	Roxboro Unit 4 (including Roxboro Common)	\$ 1
8	Mayo Plant	\$ 3,300
9	Brunswick Unit 1	\$ 1
10	Brunswick Unit 2 (including Brunswick Common)	\$ 615
11	Harris Plant	\$ 10,269
12	Total NCEMPA book value of land purchased	<u>\$ 14,185</u>
<u>Net Nuclear Fuel</u>		
13	Brunswick Unit 1	\$ 16,582
14	Brunswick Unit 2 (including Brunswick Common)	\$ 24,823
15	Harris Plant	\$ 8,642
16	Net Nuclear Fuel in the Reactor	\$ 50,047
17	Nuclear Fuel CWIP	\$ 33,378
18	Total NCEMPA net book value of Nuclear Fuel	<u>\$ 83,425</u>
<u>Accumulated Depreciation</u>		
19	Roxboro Unit 4 (including Roxboro Common)	\$ (62,539)
20	Mayo Plant	\$ (100,546)
21	Brunswick Unit 1	\$ (168,091)
22	Brunswick Unit 2 (including Brunswick Common)	\$ (122,314)
23	Harris Plant	\$ (500,188)
24	Total NCEMPA book value of accumulated depreciation on assets purchased	<u>\$ (953,678)</u>
<u>CWIP Balance including 2015 expenditures</u>		
25	Roxboro Unit 4 (including Roxboro Common)	\$ 3,018
26	Mayo Plant	\$ (598)
27	Brunswick Unit 1	\$ 18,789
28	Brunswick Unit 2 (including Brunswick Common)	\$ 13,784
29	Harris Plant	\$ 26,787
30	Total NCEMPA book value of CWIP assets acquired	<u>\$ 61,780</u>
<u>Net Book Value including net Nuclear Fuel and CWIP</u>		
31	Roxboro Unit 4 (including Roxboro Common)	\$ 13,430
32	Mayo Plant	\$ 80,795
33	Brunswick Unit 1	\$ 140,300
34	Brunswick Unit 2 (including Brunswick Common)	\$ 135,698
35	Harris Plant	\$ 441,358
36	Nuclear Fuel CWIP	\$ 33,378
37	Total NCEMPA book value of purchased assets	<u>\$ 844,959</u>
38	Materials and Supplies Inventory	<u>\$ 55,815</u>
39	Total NCEMPA book value of purchased assets	\$ 900,773
40	Purchase cost to be recorded as Acquisition Adjustment	\$ 349,802
41	Total Purchase Price of Assets Acquired (see Note)	<u>\$ 1,250,575</u>
Note:		
42	Total purchase price of assets acquired excluding 2015 construction expenditures	\$ 1,200,000
43	Total 2015 construction expenditures included in NCEMPA's book value at July 31, 2015	\$ 50,575
44	Total purchase price of assets acquired	<u>\$ 1,250,575</u>
45	NCEMPA's nuclear decommissioning trust funds transferred to DEP's trust funds	\$ 261,077
46	NCEMPA's internal nuclear decommissioning funds transferred to DEP's trust funds	\$ 26,000
47	Total	<u>\$ 287,077</u>

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF REMAINING LIFE OF ASSETS PURCHASED FOR LEVELIZATION

Line No.	Plant	Retirement Date (Col A)	Calculation of Remaining Life (in months) (Col B)	Calculation of Remaining Life (in months) at 12/31/2017 (Col C)	Calculation of Remaining Life (in months) at 5/31/2021 (Col D)	Calculation of Remaining Life (in months) at 9/30/2023 (Col E)
1	Closing Date of Purchase		7/31/2015	7/31/2015	7/31/2015	7/31/2015
<u>Generating Plant Description:</u>						
2	Roxboro Unit 4 (including Roxboro Common)	6/20/2035 (a)	238.67 (a)	209.67 (a)	168.67	140.67
3	Mayo Plant	6/20/2035	238.67	209.67	168.67	140.67
4	Brunswick Unit 1	9/8/2036	253.27	224.27	183.27	155.27
5	Brunswick Unit 2	12/27/2034	232.90	203.90	162.90	134.90
6	Harris Plant	10/24/2046	374.80	345.80	304.80	276.80

Notes:

- (a) The retirement date for Roxboro was updated to 6/30/2033 in Docket E-2, Sub 1176 based on the revised retirement date in DEP's general rate case proceeding under Docket E-2, Sub 1142. The retirement date should not have been changed as the levelization recovery period is based on the useful lives at the time of the acquisition per the statute and NCUC rules.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
MACRS TAX DEPRECIATION RATES
FOR 20 YEAR, 15 YEAR AND 5 YEAR ASSETS

Year from Asset Acquisition	Year	MACRS Annual Rate - 20 Year	MACRS Annual Rate - 15 Year	MACRS Annual Rate - 5 Year
		Applicable to: Mayo and Roxboro (Col A)	Applicable to: Brunswick Nuclear, Harris Nuclear & Acquisition Adjustment (Col B)	Applicable to: Nuclear Fuel (Col C)
1	2015	3.750%	5.000%	20.000%
2	2016	7.219%	9.500%	32.000%
3	2017	6.677%	8.550%	19.200%
4	2018	6.177%	7.700%	11.520%
5	2019	5.713%	6.930%	11.520%
6	2020	5.285%	6.230%	5.760%
7	2021	4.888%	5.900%	
8	2022	4.522%	5.900%	
9	2023	4.462%	5.910%	
10	2024	4.461%	5.900%	
11	2025	4.462%	5.910%	
12	2026	4.461%	5.900%	
13	2027	4.462%	5.910%	
14	2028	4.461%	5.900%	
15	2029	4.462%	5.910%	
16	2030	4.461%	2.950%	
17	2031	4.462%		
18	2032	4.461%		
19	2033	4.462%		
20	2034	4.461%		
21	2035	2.231%		
Total		100.00%	100.00%	100.00%

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
COMPOSITE DEPRECIATION RATES FOR EACH NCEMPA GENERATION ASSET PURCHASED

Line No.		Estimated Annual Life Rate (Col A)	Estimated Annual COR Rate (Col B)	Estimated Annual Total Rate (Col C)	
Revised in connection with Duke Energy Progress, LLC'S rate case docket No. E-2, Sub 1142 dated February 23, 2018:					
1	Brunswick 1 (including Common)	2.9200%	0.0777%	2.9977%	(a)
2	Brunswick 2	2.8636%	0.0729%	2.9365%	(a)
3	Harris	1.9748%	0.0697%	2.0445%	(a)
4	Mayo	3.3470%	0.2632%	3.6102%	(a)
5	Roxboro 4 (excluding Common)	1.6948%	0.1320%	1.8268%	(a)
6	Roxboro Common	3.1628%	0.2330%	3.3958%	(a)
7	Roxboro 4 (including Common)	2.3847%	0.1800%	2.5647%	(a)
Revised in connection with Duke Energy Progress, LLC'S rate case docket No. E-2, Sub 1219 dated April 16, 2021:					
8	Brunswick 1 (including Common)	2.0483%	0.1130%	2.1613%	(b)
9	Brunswick 2	1.8004%	0.1017%	1.9021%	(b)
10	Harris	1.7390%	0.1288%	1.8678%	(b)
11	Mayo	3.3251%	0.2343%	3.5594%	(c)
12	Roxboro 4 (excluding Common)	2.7592%	0.1945%	2.9537%	(c)
13	Roxboro Common	4.2244%	0.2754%	4.4998%	(c)
14	Roxboro 4 (including Common)	3.4981%	0.2353%	3.7334%	(c)
Revised in connection with Duke Energy Progress, LLC'S last rate case docket No. E-2, Sub 1300 effective October 1, 2023:					
15	Brunswick 1 (including Common)	2.0877%	0.1142%	2.2019%	(d)
16	Brunswick 2	1.8902%	0.1048%	1.9950%	(d)
17	Harris	1.6563%	0.0375%	1.6938%	(d)
18	Mayo	6.7028%	0.3220%	7.0248%	(d)
19	Roxboro 4 (excluding Common)	7.6396%	0.3843%	8.0239%	(d)
20	Roxboro Common	8.9761%	0.5137%	9.4898%	(d)
21	Roxboro 4 (including Common)	8.3030%	0.4486%	8.7516%	(d)

Notes:

- (a) Depreciation rates were revised in connection with DEP's general rate case under Docket E-2, Sub 1142. Updated composite rates were determined based on the underlying rates as approved by the Commission.
- (b) Depreciation rates were revised to reflect extended operating periods for the nuclear stations based on management's intention to seek subsequent license renewals for all of the Company's nuclear stations.
- (c) Depreciation rates were revised in connection with DEP's general rate case under Docket E-2, Sub 1219. Updated composite rates were determined based on the underlying rates as approved by the Commission with an effective date of June 1, 2021.
- (d) Depreciation rates were revised in connection with DEP's general rate case under Docket E-2, Sub 1300. Updated composite rates were determined based on the underlying rates as approved by the Commission with an effective date of October 1, 2023.

EXHIBIT C-11-TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
BOOK DEPRECIATION EXPENSE FOR EACH NCEMPA GENERATION ASSET PURCHASED
STARTING IN 2018
(Thousands of Dollars)

Based on rate approved in Docket E-2, Sub 1142. Depreciation rates applicable through May 2021:

Line No.		Gross Depreciable Plant at Acquisition (a) (Col A)	Cost of Removal Percentage (b) (Col B)	Gross Estimated Cost of Removal Cost (Col C) = A x B	NC Retail Share of Cost of Removal (Col D) = C x Line 1	NC Retail End of Period Investment Balance at 12/31/2017 (c) (Col E)	Total Costs Subject to Recovery (Col F) = D + E	Remaining Asset Life (in months) (d) (Col G)	Annual Book Depreciation Expense (Col H) = F / G * 12 months
1	NC Retail Allocation Factor		61.3372% (e)						
2	Brunswick 1 (including common)	\$ 273,020	0.0777%	\$ 212	\$ 130	\$ 53,077	\$ 53,207	224.27	\$ 2,847
3	Brunswick 2	\$ 218,790	0.0729%	\$ 159	\$ 98	\$ 51,759	\$ 51,857	203.90	\$ 3,052
4	Harris	\$ 895,848	0.0697%	\$ 624	\$ 383	\$ 223,777	\$ 224,160	345.80	\$ 7,779
5	Mayo	\$ 178,639	0.2632%	\$ 470	\$ 288	\$ 41,104	\$ 41,393	209.67	\$ 2,369
6	Roxboro combined (including common)	\$ 72,950	0.1800%	\$ 131	\$ 81	\$ 5,122	\$ 5,203	185.67	\$ 336

Based on rate approved in Docket E-2, Sub 1219. Depreciation rates applicable starting June 2021:

Line No.		Gross Depreciable Plant at Acquisition (a) (Col A)	Cost of Removal Percentage (f) (Col B)	Gross Estimated Cost of Removal Cost (Col C) = A x B	NC Retail Share of Cost of Removal (Col D) = C x Line 1	NC Retail End of Period Investment Balance at 5/30/2021 (g) (Col E)	Total Costs Subject to Recovery (Col F) = D + E	Remaining Asset Life (in months) (h) (Col G)	Annual Book Depreciation Expense (Col H) = F / G * 12 months
7	NC Retail Allocation Factor		61.5575% (i)						
8	Brunswick 1 (including common)	\$ 273,020	0.1130%	\$ 308	\$ 190	\$ 43,350	\$ 43,540	183.27	\$ 2,851
9	Brunswick 2	\$ 218,790	0.1017%	\$ 222	\$ 137	\$ 41,331	\$ 41,468	162.90	\$ 3,055
10	Harris	\$ 895,848	0.1288%	\$ 1,154	\$ 711	\$ 197,199	\$ 197,910	304.80	\$ 7,792
11	Mayo	\$ 178,639	0.2343%	\$ 419	\$ 258	\$ 33,010	\$ 33,268	168.67	\$ 2,367
12	Roxboro combined (including common)	\$ 72,950	0.2353%	\$ 172	\$ 106	\$ 3,974	\$ 4,079	168.67	\$ 290

Based on rate approved in last rate case Docket E-2, Sub 1300. Depreciation rates applicable starting October 2023:

Line No.		Gross Depreciable Plant at Acquisition (a) (Col A)	Cost of Removal Percentage (j) (Col B)	Gross Estimated Cost of Removal Cost (Col C) = A x B	NC Retail Share of Cost of Removal (Col D) = C x Line 1	NC Retail End of Period Investment Balance at 9/30/2023 (k) (Col E)	Total Costs Subject to Recovery (Col F) = D + E	Remaining Asset Life (in months) (l) (Col G)	Annual Book Depreciation Expense (Col H) = F / G * 12 months
13	NC Retail Allocation Factor		62.8152% (m)						
14	Brunswick 1 (including common)	\$ 273,020	0.1142%	\$ 312	\$ 196	\$ 36,698	\$ 36,894	155.27	\$ 2,851
15	Brunswick 2	\$ 218,790	0.1048%	\$ 229	\$ 144	\$ 34,204	\$ 34,348	134.90	\$ 3,055
16	Harris	\$ 895,848	0.0375%	\$ 336	\$ 211	\$ 179,018	\$ 179,229	276.80	\$ 7,770
17	Mayo	\$ 178,639	0.3220%	\$ 575	\$ 361	\$ 27,486	\$ 27,848	140.67	\$ 2,376
18	Roxboro combined (including common)	\$ 72,950	0.4486%	\$ 327	\$ 206	\$ 3,296	\$ 3,502	140.67	\$ 299

Notes:

- (a) From Exhibit C-7-E: Plant Costs, Line 1 - Line 5.
- (b) From Exhibit C-10-E: Composite Depreciation Rates, Column B as filed under Docket E-2, Sub 1142.
- (c) From Exhibit C-1-E to C-6-E, Column A, NC Retail End of Period Investment balance as of 2017.
- (d) From Exhibit C-8-E: Calculation of Remaining Life, Column C.
- (e) From Exhibit I-E: Demand Allocator to NC Retail from 2017 cost of service study as adjusted for NCEMPA Purchase.
- (f) From Exhibit C-10-E: Composite Depreciation Rates, Column B as filed under Docket E-2, Sub 1219.
- (g) From Exhibit C-1-E to C-6-E, Column A, NC Retail End of Period Investment balance as of 2020 less five months depreciation at rates depicted on Lines 2-6 above.
- (h) From Exhibit C-8-E: Calculation of Remaining Life, Column D.
- (i) From Exhibit I-E: Demand Allocator to NC Retail from 2020 cost of service study as adjusted for NCEMPA Purchase.
- (j) From Exhibit C-10-E: Composite Depreciation Rates, Column B as filed under Docket E-2, Sub 1300.
- (k) From Exhibit C-1-E to C-6-E, Column A, NC Retail End of Period Investment balance as of 2022 less nine months depreciation at rates depicted on Lines 8-12 above.
- (l) From Exhibit C-8-E: Calculation of Remaining Life, Column E.
- (m) From Exhibit I-E, Demand Allocator to NC Retail from 2023 cost of service study as adjusted for NCEMPA Purchase.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF REVENUE REQUIREMENT FOR ACQUISITION COSTS EXCLUDED FROM LEVELIZATION
for TEST YEAR ENDED DECEMBER 2023
(Thousands of Dollars)

Line No.	For the Year to Date												Year-to-Date Total Amount (Col M)	
	January Amount (Col A) 1	February Amount (Col B) 2	March Amount (Col C) 3	April Amount (Col D) 4	May Amount (Col E) 5	June Amount (Col F) 6	July Amount (Col G) 7	August Amount (Col H) 8	September Amount (Col I) 9	October Amount (Col J) 10	November Amount (Col K) 11	December Amount (Col L) 12		
	Old Rate Monthly	0.6767%	1.3579%	2.0438%	2.7343%	3.4295%	4.1293%	4.8340%	5.5433%	6.2575%	6.9765%	7.7004%	8.4292%	
	Monthly Increment		0.681%	0.686%	0.691%	0.695%	0.700%	0.705%	0.709%	0.714%	0.719%	0.724%	0.729%	
	New Rate Monthly	0.6941%	1.3929%	2.0967%	2.8053%	3.5188%	4.2373%	4.9607%	5.6892%	6.4228%	7.1614%	7.9052%	8.6541%	
	Monthly Increment		0.699%	0.704%	0.709%	0.714%	0.718%	0.723%	0.728%	0.734%	0.739%	0.744%	0.749%	
	Combined	0.6767%	1.3579%	2.0438%	2.7343%	3.4295%	4.1293%	4.8340%	5.5433%	6.2575%	6.9962%	7.7399%	8.4888%	
1	Net Nuclear Fuel Inventory excluding CWIP	\$ 42,951	\$ 47,949	\$ 49,934	\$ 50,692	\$ 50,803	\$ 50,556	\$ 50,073	\$ 49,435	\$ 48,697	\$ 47,880	\$ 47,009	\$ 46,091	\$ 46,091 (a)
2	Deferred Tax Asset (Liability) on Net Nuclear Fuel Inventory	\$ 2,883	\$ 2,819	\$ 2,773	\$ 2,739	\$ 2,719	\$ 2,704	\$ 2,695	\$ 2,689	\$ 2,684	\$ 2,681	\$ 2,678	\$ 2,676	\$ 2,676 (b)
3	Materials and Supplies Inventory	\$ 61,285	\$ 61,070	\$ 61,054	\$ 61,081	\$ 61,156	\$ 61,254	\$ 61,418	\$ 61,588	\$ 61,756	\$ 61,949	\$ 62,128	\$ 62,276	\$ 62,276 (c)
4	Nuclear Dry Cask Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - (d)
5	Total average system investment for the rate period (sum of Line 1 to Line 4)	\$ 107,119	\$ 111,839	\$ 113,762	\$ 114,512	\$ 114,678	\$ 114,514	\$ 114,186	\$ 113,712	\$ 113,138	\$ 112,510	\$ 111,815	\$ 111,044	\$ 111,044
6	Allocated to NC retail (Line 5 x 62.8152% (e))	\$ 67,287	\$ 70,252	\$ 71,460	\$ 71,931	\$ 72,035	\$ 71,932	\$ 71,726	\$ 71,429	\$ 71,068	\$ 70,673	\$ 70,237	\$ 69,752	\$ 69,752 (e)
7	Rate base pre-tax cost of capital - discounted year-to-date rate	0.6767%	1.3579%	2.0438%	2.7343%	3.4295%	4.1293%	4.8340%	5.5433%	6.2575%	6.9962%	7.7399%	8.4888%	8.4888% (f)
8	Total year-to-date NC retail revenues required for financing costs on above investments (Line 6 x Line 7)	\$ 455	\$ 954	\$ 1,460	\$ 1,967	\$ 2,470	\$ 2,970	\$ 3,467	\$ 3,960	\$ 4,447	\$ 4,944	\$ 5,436	\$ 5,921	\$ 5,921
9	Year-to-Date NC retail pre-tax return on deferred tax assets related to NCEMPA's nuclear decommissioning funds	\$ 161	\$ 324	\$ 488	\$ 654	\$ 821	\$ 990	\$ 1,160	\$ 1,331	\$ 1,504	\$ 1,683	\$ 1,863	\$ 2,045	\$ 2,045 (g)
10	Total Year-to-Date NC retail revenues required for financing costs (Line 8 + Line 9)	\$ 617	\$ 1,278	\$ 1,949	\$ 2,621	\$ 3,292	\$ 3,960	\$ 4,627	\$ 5,291	\$ 5,951	\$ 6,627	\$ 7,300	\$ 7,966	\$ 7,966
11	Current Month NC retail revenues required for financing costs	\$ 617	\$ 661	\$ 671	\$ 672	\$ 671	\$ 668	\$ 667	\$ 664	\$ 660	\$ 676	\$ 672	\$ 667	

Notes:

- (a) From Exhibit D-1A-TU: Actual Net Nuclear Fuel year-to-date average balances, Column E, Line 2 - Line 13.
- (b) From Exhibit D-1B-TU: Accumulated Deferred Income Taxes on Nuclear Fuel year-to-date average balances, Column I, Line 2 - Line 13.
- (c) From Exhibit D-2-TU: Actual Material and Supplies year-to-date average balances, Column F, Line 2 - Line 13.
- (d) Settlement from U.S. Department of Energy for nuclear storage cost was received in 2022 and applied to Dry Cask Storage. The settlement fully recovered Dry Cask Storage amounts on the general ledger.
- (e) From Exhibit I-TU: Demand Allocator to NC Retail from 2023 cost of service study using 12CP Firm of: 62.8152%
- (f) From Exhibit J-TU: Cost of Capital, discounted before tax rate:
January 1 - September 8.4292%
October 1 - December 31 8.6541%
- (g) From Exhibit D-3-TU: Deferred Tax Asset on Nuclear Decommissioning Funds year-to-date average balances, Column L.

EXHIBIT D-1A - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
ACTUAL NET NUCLEAR FUEL BALANCE BY GENERATING UNIT for TEST YEAR ENDED DECEMBER 2023
(EXCLUDES NUCLEAR FUEL CWIP BALANCES)
(Thousands of Dollars)

Line No.			<u>Brunswick 1</u> (Col A)	<u>Brunswick 2</u> (Col B)	<u>Harris</u> (Col C)	<u>Total</u> (Col D)	<u>Year-to-Date Average</u> (Col E)
Current Test Year: Calendar 2023							
1	2022	December	\$ 20,922	\$ 9,797	\$ 13,346	\$ 44,065	(a)
2	2023	January	\$ 20,070	\$ 9,104	\$ 12,663	\$ 41,837	\$ 42,951
3	2023	February	\$ 19,300	\$ 26,600	\$ 12,046	\$ 57,946	\$ 47,949
4	2023	March	\$ 18,459	\$ 26,068	\$ 11,364	\$ 55,890	\$ 49,934
5	2023	April	\$ 17,762	\$ 25,258	\$ 10,702	\$ 53,722	\$ 50,692
6	2023	May	\$ 16,910	\$ 24,429	\$ 10,020	\$ 51,359	\$ 50,803
7	2023	June	\$ 16,089	\$ 23,623	\$ 9,359	\$ 49,071	\$ 50,556
8	2023	July	\$ 15,237	\$ 22,785	\$ 8,676	\$ 46,698	\$ 50,073
9	2023	August	\$ 14,384	\$ 21,949	\$ 7,993	\$ 44,326	\$ 49,435
10	2023	September	\$ 13,569	\$ 21,157	\$ 7,332	\$ 42,059	\$ 48,697
11	2023	October	\$ 12,732	\$ 20,319	\$ 6,651	\$ 39,702	\$ 47,880
12	2023	November	\$ 11,924	\$ 19,519	\$ 5,990	\$ 37,433	\$ 47,009
13	2023	December	\$ 11,076	\$ 18,688	\$ 5,307	\$ 35,071	\$ 46,091
14	Balance as of December 31, 2023		<u>\$ 11,076</u>	<u>\$ 18,688</u>	<u>\$ 5,307</u>	<u>\$ 35,071</u>	

Notes:

(a) Based on balances as of December 31, 2022 as filed with the Commission on Exhibit D-1A-TU under Docket E-2, Sub 1324.

**EXHIBIT D-1B - TU
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
ACCUMULATED DEFERRED INCOME TAXES ASSOCIATED WITH NUCLEAR FUEL SINCE THE DATE OF PURCHASE
(Thousands of Dollars)

Line No.	ADIT Expense (Income) Associated with Nuclear Fuel				ADIT Asset (Liability) Balance Associated with Nuclear Fuel					
	Brunswick 1 (a) (Col A)	Brunswick 2 (b) (Col B)	Harris (c) (Col C)	Total (d) (Col D)	Brunswick 1 (Col E)	Brunswick 2 (Col F)	Harris (Col G)	Total (Col H)	Year-to-Date Average (Col I)	
Current Test Year: Calendar 2023										
1					Beginning Balance, January 1, 2023	\$ 578	\$ 708	\$ 1,605	\$ 2,891	(f)
2	2023 January	\$ (22)	\$ 13	\$ 27	\$ 17	\$ 600	\$ 696	\$ 1,578	\$ 2,874	\$ 2,883
3	2023 February	\$ (3)	\$ 143	\$ 42	\$ 182	\$ 603	\$ 553	\$ 1,536	\$ 2,692	\$ 2,819
4	2023 March	\$ (20)	\$ 50	\$ 27	\$ 57	\$ 623	\$ 503	\$ 1,509	\$ 2,635	\$ 2,773
5	2023 April	\$ 14	\$ (14)	\$ 32	\$ 31	\$ 609	\$ 517	\$ 1,478	\$ 2,604	\$ 2,739
6	2023 May	\$ (22)	\$ (19)	\$ 27	\$ (14)	\$ 631	\$ 536	\$ 1,451	\$ 2,618	\$ 2,719
7	2023 June	\$ (15)	\$ (14)	\$ 32	\$ 4	\$ 646	\$ 549	\$ 1,419	\$ 2,614	\$ 2,704
8	2023 July	\$ (22)	\$ (21)	\$ 27	\$ (16)	\$ 668	\$ 570	\$ 1,392	\$ 2,631	\$ 2,695
9	2023 August	\$ (22)	\$ (20)	\$ 27	\$ (16)	\$ 690	\$ 591	\$ 1,366	\$ 2,646	\$ 2,689
10	2023 September	\$ (13)	\$ (10)	\$ 32	\$ 8	\$ 704	\$ 601	\$ 1,334	\$ 2,638	\$ 2,684
11	2023 October	\$ (19)	\$ (21)	\$ 27	\$ (12)	\$ 722	\$ 622	\$ 1,307	\$ 2,651	\$ 2,681
12	2023 November	\$ (12)	\$ (12)	\$ 32	\$ 8	\$ 734	\$ 634	\$ 1,275	\$ 2,643	\$ 2,678
13	2023 December	\$ (21)	\$ (19)	\$ 27	\$ (14)	\$ 755	\$ 653	\$ 1,248	\$ 2,657	\$ 2,676
14	Total deferred tax expense	\$ (177)	\$ 55	\$ 356	\$ 235	\$ 755	\$ 653	\$ 1,248	\$ 2,657	
					Accumulated Deferred Tax Asset (Liability) as of December 31, 2023	\$ 755	\$ 653	\$ 1,248	\$ 2,657	

Notes:

- (a) Calculated as Column A from Exhibit D-1C-TU times the composite tax rate (e).
- (b) Calculated as Column B from Exhibit D-1C-TU times the composite tax rate (e).
- (c) Calculated as Column C from Exhibit D-1C-TU times the composite tax rate (e).
- (d) Calculated as Column D from Exhibit D-1C-TU times the composite tax rate (e).
- (e) Composite tax rate from Exhibit J-TU, Column C, Line 21: 23.13%
- (f) Based on ending balances as of December 31, 2022 as filed with the Commission on Exhibit D-1B-TU under Docket E-2, Sub 1324.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
TAX VERSUS BOOK DEPRECIATION ASSOCIATED WITH NUCLEAR FUEL ADDITIONS SINCE THE DATE OF PURCHASE
(Thousands of Dollars)

Line No.	TAX DEPRECIATION EXPENSE MINUS BOOK AMORTIZATION				TAX BASIS AMORTIZATION EXPENSE ON NUCLEAR FUEL				BOOK AMORTIZATION EXPENSE ON NUCLEAR FUEL					
	Brunswick 1 (Col A) = E - I	Brunswick 2 (Col B) = F - J	Harris (Col C) = G - K	Total (Col D) = H - L	Brunswick 1 (Col E)	Brunswick 2 (Col F)	Harris (Col G)	Total (Col H)	Brunswick 1 (Col I)	Brunswick 2 (Col J)	Harris (Col K)	Total (Col L)		
Current Test Year: Calendar 2023														
1	2023	January	\$ (95)	\$ 55	\$ 115	\$ 75	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 852	\$ 693	\$ 683	\$ 2,228
2	2023	February	\$ (13)	\$ 619	\$ 181	\$ 787	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 770	\$ 129	\$ 617	\$ 1,516
3	2023	March	\$ (84)	\$ 215	\$ 116	\$ 247	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 841	\$ 532	\$ 682	\$ 2,056
4	2023	April	\$ 60	\$ (62)	\$ 137	\$ 135	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 696	\$ 810	\$ 661	\$ 2,167
5	2023	May	\$ (96)	\$ (81)	\$ 116	\$ (61)	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 853	\$ 828	\$ 683	\$ 2,364
6	2023	June	\$ (64)	\$ (59)	\$ 138	\$ 16	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 820	\$ 806	\$ 660	\$ 2,287
7	2023	July	\$ (96)	\$ (90)	\$ 115	\$ (71)	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 853	\$ 838	\$ 683	\$ 2,374
8	2023	August	\$ (96)	\$ (88)	\$ 115	\$ (69)	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 853	\$ 836	\$ 683	\$ 2,371
9	2023	September	\$ (58)	\$ (44)	\$ 138	\$ 35	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 815	\$ 792	\$ 661	\$ 2,267
10	2023	October	\$ (80)	\$ (90)	\$ 117	\$ (54)	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 837	\$ 838	\$ 682	\$ 2,357
11	2023	November	\$ (51)	\$ (53)	\$ 138	\$ 34	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 808	\$ 801	\$ 661	\$ 2,269
12	2023	December	\$ (92)	\$ (83)	\$ 115	\$ (59)	\$ 757	\$ 748	\$ 798	\$ 2,303	\$ 848	\$ 831	\$ 683	\$ 2,362
13	Total for the Test Period		\$ (765)	\$ 239	\$ 1,541	\$ 1,015	\$ 9,081	\$ 8,973	\$ 9,580	\$ 27,633	\$ 9,846	\$ 8,734	\$ 8,039	\$ 26,619

EXHIBIT D-2 - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
ACTUAL MATERIALS AND SUPPLIES BALANCE BY GENERATING UNIT for TEST YEAR ENDED DECEMBER 2023
(Thousands of Dollars)

Line No.			Brunswick Common (a) (Col A)	Harris (Col B)	Mayo (Col C)	Roxboro Common (b) (Col D)	Total (Col E)	Year-to-Date Average (Col F)
Current Test Year: Calendar 2023								
1	2022	December	\$ 36,877	\$ 20,297	\$ 2,306	\$ 1,508	\$ 60,988	(c)
2	2023	January	\$ 37,215	\$ 20,536	\$ 2,304	\$ 1,528	\$ 61,583	\$ 61,285
3	2023	February	\$ 36,171	\$ 20,615	\$ 2,309	\$ 1,546	\$ 60,641	\$ 61,070
4	2023	March	\$ 36,523	\$ 20,627	\$ 2,288	\$ 1,569	\$ 61,007	\$ 61,054
5	2023	April	\$ 36,825	\$ 20,414	\$ 2,362	\$ 1,583	\$ 61,185	\$ 61,081
6	2023	May	\$ 36,912	\$ 20,641	\$ 2,385	\$ 1,595	\$ 61,533	\$ 61,156
7	2023	June	\$ 37,116	\$ 20,705	\$ 2,404	\$ 1,618	\$ 61,843	\$ 61,254
8	2023	July	\$ 37,641	\$ 20,882	\$ 2,416	\$ 1,628	\$ 62,567	\$ 61,418
9	2023	August	\$ 37,875	\$ 21,004	\$ 2,425	\$ 1,645	\$ 62,948	\$ 61,588
10	2023	September	\$ 38,059	\$ 21,097	\$ 2,469	\$ 1,643	\$ 63,268	\$ 61,756
11	2023	October	\$ 38,438	\$ 21,308	\$ 2,473	\$ 1,658	\$ 63,878	\$ 61,949
12	2023	November	\$ 38,565	\$ 21,401	\$ 2,471	\$ 1,658	\$ 64,096	\$ 62,128
13	2023	December	\$ 38,615	\$ 21,331	\$ 2,471	\$ 1,643	\$ 64,060	\$ 62,276
14	Balance as of December 31, 2023		<u>\$ 38,615</u>	<u>\$ 21,331</u>	<u>\$ 2,471</u>	<u>\$ 1,643</u>	<u>\$ 64,060</u>	

- Notes:
- (a) Material and supplies inventory is not assigned or at the generating unit level. All inventory is assigned to Brunswick Common. Approximately 18.33% of the inventory assigned to Brunswick Common has been captured under this rider.
 - (b) Material and supplies inventory is not assigned or at the generating unit level. All inventory that could be used at the four generating units at Roxboro is assigned to Roxboro Common. Approximately 3.77% of the inventory assigned to Roxboro Common has been captured under this rider.
 - (c) Based on ending balances as of December 31, 2022 as filed with the Commission on Exhibit D-2-TU under Docket E-2, Sub 1324.

EXHIBIT D-3 - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAX ASSET RELATED TO NCEMPA'S NUCLEAR DECOMMISSIONING FUNDS TRANSFERRED TO DEP
(Thousands of Dollars)

	2015	2020	2021	2022	2023
ASSUMPTIONS:					
DECOMMISSIONING FUNDS TRANSFERRED	\$ 287,077 (a)				
TAX LIFE USED FOR ACQUIRED NCEMPA ASSETS	15 (b)				
COMPOSITE TAX RATE	35.16% (c)	23.13% (d)	23.13% (d)	23.13% (d)	23.13% (d)
AFTER TAX COST OF CAPITAL	6.5956% (c)	6.4484% (e)	6.2977% (f)	6.2977% (g)	6.4555% (h)
WEIGHTED ANNUAL INTEREST RATE	2.1479% (c)	1.9440% (e)	1.9392% (f)	1.9392% (g)	1.8941% (i)
WEIGHTED ANNUAL NET OF TAX EQUITY RATE	5.4060% (c)	5.1480% (e)	4.9920% (f)	4.9920% (g)	5.1940% (j)
NC RETAIL ALLOCATION FACTOR	60.2760% (c)	61.5775% (e)	62.2027% (f)	61.8250% (g)	62.8152% (k)

REVISIONS BASED ON 2023 TEST YEAR ACTUALS & UPDATED WEIGHTED AVERAGE COST OF CAPITAL AND COMPOSITE TAX RATE

	NC RETAIL END OF PERIOD INVESTMENT BALANCE (Col A)	MACRS RATE FOR 15 YR PROPERTY (b) (Col B)	ANNUAL REDUCTION IN TAX DEPRECIATION (Col C)	TAX DEPR. NOT ALLOWED CURRENTLY (Col D)	ANNUAL DEF. TAXES FOR NON DEDUCTIBLE (Col E)	DEFERRED TAX ASSET BALANCE (Col F)	AVERAGE INVESTMENT FOR THE YEAR (Col G)	COST OF CAPITAL		INCOME TAXES (Col J)	NC RETAIL REVENUE (Col K)	YEAR-TO-DATE NC RETAIL REVENUE (Col L)
								INTEREST (Col H)	EQUITY (Col I)			
Beg Balance July 31, 2015	\$ 173,039											
2015		5.000%	\$ 8,652	\$ 8,652	\$ 3,042	\$ 3,042	\$ 634	\$ 14	\$ 34	\$ 19	\$ 66	
2016		9.500%	\$ 16,527	\$ 16,527	\$ 5,717	\$ 8,759	\$ 5,900	\$ 127	\$ 319	\$ 169	\$ 614	
2017		8.550%	\$ 15,055	\$ 15,055	\$ 696	\$ 9,455	\$ 10,979	\$ 239	\$ 602	\$ 310	\$ 1,151	
2018		7.700%	\$ 13,601	\$ 13,601	\$ 3,196	\$ 12,651	\$ 11,053	\$ 219	\$ 574	\$ 176	\$ 970	
2019		6.930%	\$ 12,086	\$ 12,086	\$ 2,800	\$ 15,452	\$ 14,051	\$ 273	\$ 723	\$ 218	\$ 1,215	
2020		6.230%	\$ 11,013	\$ 11,013	\$ 2,547	\$ 17,999	\$ 16,725	\$ 325	\$ 861	\$ 259	\$ 1,445	
2021		5.900%	\$ 10,536	\$ 10,536	\$ 2,437	\$ 20,436	\$ 19,217	\$ 373	\$ 971	\$ 292	\$ 1,637	
2022		5.900%	\$ 10,472	\$ 10,472	\$ 2,422	\$ 22,858	\$ 21,647	\$ 420	\$ 1,081	\$ 325	\$ 1,826	
2023		5.910%	\$ 888	\$ 888	\$ 205	\$ 23,063	\$ 22,961	\$ 37	\$ 96	\$ 29	\$ 161	\$ 161
January		5.910%	\$ 888	\$ 888	\$ 205	\$ 23,269	\$ 23,166	\$ 37	\$ 96	\$ 29	\$ 163	\$ 324
February		5.910%	\$ 888	\$ 888	\$ 205	\$ 23,474	\$ 23,371	\$ 38	\$ 97	\$ 29	\$ 164	\$ 488
March		5.910%	\$ 888	\$ 888	\$ 205	\$ 23,680	\$ 23,577	\$ 38	\$ 98	\$ 30	\$ 166	\$ 654
April		5.910%	\$ 888	\$ 888	\$ 205	\$ 23,885	\$ 23,782	\$ 38	\$ 99	\$ 30	\$ 167	\$ 821
May		5.910%	\$ 888	\$ 888	\$ 205	\$ 24,090	\$ 23,988	\$ 39	\$ 100	\$ 30	\$ 169	\$ 990
June		5.910%	\$ 888	\$ 888	\$ 205	\$ 24,296	\$ 24,193	\$ 39	\$ 101	\$ 30	\$ 170	\$ 1,160
July		5.910%	\$ 888	\$ 888	\$ 205	\$ 24,501	\$ 24,399	\$ 39	\$ 102	\$ 31	\$ 171	\$ 1,331
August		5.910%	\$ 888	\$ 888	\$ 205	\$ 24,707	\$ 24,604	\$ 40	\$ 102	\$ 31	\$ 173	\$ 1,504
September		5.910%	\$ 888	\$ 888	\$ 205	\$ 24,912	\$ 24,809	\$ 39	\$ 107	\$ 32	\$ 179	\$ 1,683
October		5.910%	\$ 888	\$ 888	\$ 205	\$ 25,118	\$ 25,015	\$ 39	\$ 108	\$ 33	\$ 180	\$ 1,863
November		5.910%	\$ 888	\$ 888	\$ 205	\$ 25,323	\$ 25,220	\$ 40	\$ 109	\$ 33	\$ 182	\$ 2,045
December		5.910%	\$ 888	\$ 888	\$ 205	\$ 25,323	\$ 24,090	\$ 464	\$ 1,215	\$ 366	\$ 2,045	

Note: The Company will receive a future tax deduction at the time nuclear decommissioning costs are incurred. This schedule shows the annual revenue required for the Company to recover the pre-tax financing costs of the deferred tax asset recorded as an offset to the tax depreciation assumed in the levelization schedules.

Notes:

- (a) From Exhibit C-7-TU.
- (b) From Exhibit C-9-TU.
- (c) From Exhibit D-3-TU as filed with the Commission under Docket E-2, Sub 1110.
- (d) The composite tax rate and after tax costs of capital were updated January 1, 2020 as a result of a change in the apportionment factors.
- (e) As filed with the Commission under Docket E-2, Sub 1274.
- (f) As filed with the Commission under Docket E-2, Sub 1295.
- (g) As filed with the Commission under Docket E-2, Sub 1324.
- (h) From Exhibit J-TU, Column D, Line 14.
- (i) From Exhibit J-TU, Column E, Line 11.
- (j) From Exhibit J-TU, Column D, Line 12.
- (k) From Exhibit I-TU.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF REVENUE REQUIREMENT RELATED TO CAPITAL ADDITIONS TO PLANT IN SERVICE SINCE THE PURCHASE DATE
RELATED TO PURCHASE FROM NCEMPA for TEST YEAR ENDED DECEMBER 2023
(Thousands of Dollars)

Line No.	For the Month												Year-to-Date Total Amount (Col M)	
	January Amount (Col A) 1	February Amount (Col B) 2	March Amount (Col C) 3	April Amount (Col D) 4	May Amount (Col E) 5	June Amount (Col F) 6	July Amount (Col G) 7	August Amount (Col H) 8	September Amount (Col I) 9	October Amount (Col J) 10	November Amount (Col K) 11	December Amount (Col L) 12		
	Old Rate Monthly	0.6767%	1.3579%	2.0438%	2.7343%	3.4295%	4.1293%	4.8340%	5.5433%	6.2575%	6.9765%	7.7004%	8.4292%	
	Monthly Increment		0.681%	0.686%	0.691%	0.695%	0.700%	0.705%	0.709%	0.714%	0.719%	0.724%	0.729%	
	New Rate Monthly	0.6941%	1.3929%	2.0967%	2.8053%	3.5188%	4.2373%	4.9607%	5.6892%	6.4228%	7.1614%	7.9052%	8.6541%	
	Monthly Increment		0.699%	0.704%	0.709%	0.714%	0.718%	0.723%	0.728%	0.734%	0.739%	0.744%	0.749%	
	Combined	0.6767%	1.3579%	2.0438%	2.7343%	3.4295%	4.1293%	4.8340%	5.5433%	6.2575%	6.9962%	7.7399%	8.4888%	
1	Actual capital additions to plant in service since the purchase date allocated to purchase from NCEMPA	\$ 395,316	\$ 396,742	\$ 400,294	\$ 402,623	\$ 404,447	\$ 405,973	\$ 407,223	\$ 408,289	\$ 409,178	\$ 410,180	\$ 411,125	\$ 412,186	\$ 412,186 (a)
2	Actual accumulated depreciation on actual capital additions to plant in service since the purchase date allocated to purchase from NCEMPA	\$ (41,045)	\$ (41,458)	\$ (41,873)	\$ (42,293)	\$ (42,716)	\$ (43,141)	\$ (43,567)	\$ (43,995)	\$ (44,424)	\$ (44,867)	\$ (45,320)	\$ (45,782)	\$ (45,782) (b)
3	Accumulated deferred income tax asset / (liability) related to capital additions to plant in service	\$ (39,172)	\$ (39,269)	\$ (39,353)	\$ (39,482)	\$ (39,575)	\$ (39,651)	\$ (39,717)	\$ (39,773)	\$ (39,821)	\$ (39,862)	\$ (39,912)	\$ (39,955)	\$ (39,955) (c)
4	Total average net plant in service on capital additions for the test period (Line 1 + Line 2 + Line 3)	\$ 315,099	\$ 316,016	\$ 319,068	\$ 320,849	\$ 322,156	\$ 323,181	\$ 323,940	\$ 324,521	\$ 324,933	\$ 325,451	\$ 325,893	\$ 326,450	\$ 326,450
5	Allocation to NC retail (Line 4 x Line 11)	\$ 197,930	\$ 198,506	\$ 200,424	\$ 201,542	\$ 202,363	\$ 203,007	\$ 203,483	\$ 203,849	\$ 204,107	\$ 204,433	\$ 204,711	\$ 205,060	\$ 205,060
6	Rate base pre-tax cost of capital - discounted year-to-date rate	0.6767%	1.3579%	2.0438%	2.7343%	3.4295%	4.1293%	4.8340%	5.5433%	6.2575%	6.9962%	7.7399%	8.4888%	8.4888% (d)
7	Total year-to-date NC retail revenues required for cost of capital on above investments (Line 5 x Line 6)	\$ 1,339	\$ 2,696	\$ 4,096	\$ 5,511	\$ 6,940	\$ 8,383	\$ 9,836	\$ 11,300	\$ 12,772	\$ 14,302	\$ 15,844	\$ 17,407	\$ 17,407
	Incremental operating expenses related to capital additions:													
8	Depreciation expense on actual capital additions for the test year - year-to-date (g)	\$ 821	\$ 1,650	\$ 2,484	\$ 3,339	\$ 4,196	\$ 5,056	\$ 5,920	\$ 6,784	\$ 7,651	\$ 8,659	\$ 9,672	\$ 10,689	\$ 10,689 (e)
9	Other operating expenses related to capital additions for the test year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	Total year-to-date operating expenses related to capital additions for the test period (Line 8 + Line 9)	\$ 821	\$ 1,650	\$ 2,484	\$ 3,339	\$ 4,196	\$ 5,056	\$ 5,920	\$ 6,784	\$ 7,651	\$ 8,659	\$ 9,672	\$ 10,689	\$ 10,689
11	NC Retail allocation factor	62.8152%	62.8152%	62.8152%	62.8152%	62.8152%	62.8152%	62.8152%	62.8152%	62.8152%	62.8152%	62.8152%	62.8152%	62.8152% (f)
12	Total year-to-date operating expenses related to capital additions for the next rate period allocated to NC retail (Line 10 x Line 11)	\$ 516	\$ 1,036	\$ 1,560	\$ 2,097	\$ 2,636	\$ 3,176	\$ 3,719	\$ 4,262	\$ 4,806	\$ 5,439	\$ 6,075	\$ 6,714	\$ 6,714
13	Total year-to-date NC retail revenues required for financial and operating expenses related to capital additions since the acquisition date (Line 7 + Line 12)	\$ 1,855	\$ 3,732	\$ 5,656	\$ 7,608	\$ 9,576	\$ 11,559	\$ 13,555	\$ 15,562	\$ 17,578	\$ 19,741	\$ 21,920	\$ 24,122	\$ 24,122
14	Current Month NC retail revenues required for financial and operating expenses related to capital additions since the acquisition date	\$ 1,855	\$ 1,877	\$ 1,925	\$ 1,952	\$ 1,968	\$ 1,983	\$ 1,996	\$ 2,007	\$ 2,016	\$ 2,163	\$ 2,179	\$ 2,202	

Notes:

- (a) From Exhibit E-1-TU: Actual Capital year-to-date average balances, Column O, Line 2 - Line 13.
- (b) From Exhibit E-2-TU: Actual Accumulated Depreciation year-to-date average balances, Column P, Line 2 - Line 13.
- (c) From Exhibit E-3-TU: Deferred Taxes on Capital Additions year-to-date average balances, Column J, Line 2 - Line 13.
- (d) From Exhibit J-TU: Cost of Capital, discounted before tax rate:
8.4292% January 1 - September 30
8.6541% October 1 - December 31
- (e) From Exhibit E-2-TU: Actual Depreciation Expense, Column H, Line 2 - Line 13.
- (f) From Exhibit I-TU: Demand Allocator to NC Retail from 2023 cost of service study.
62.81523%
- (g) Depreciation expense for October, November and December has been updated for depreciation rates in effect October 1, 2023 with Docket No. E-2, Sub 1300.

DUKE ENERGY PROGRESS

NCEMPA GENERATION ASSET PURCHASE

ACTUAL CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
RELATED TO PURCHASE FROM NCEMPA

(Thousands of Dollars)

Line No.	ACTUAL CAPITAL ADDITIONS FOR THE MONTH							CUMULATIVE CAPITAL ADDITIONS							Year-to-Date Average (Col O)	
	Brunswick 1 (a) (Col A)	Brunswick 2 (Col B)	Harris (Col C)	Mayo (Col D)	Roxboro 4 (Col E)	Roxboro Common (Col F)	Total (Col G)	Brunswick 1 (a) (Col H)	Brunswick 2 (Col I)	Harris (Col J)	Mayo (Col K)	Roxboro 4 (Col L)	Roxboro Common (Col M)	Total (Col N)		
Current Test Year: Calendar 2023																
1	Beginning Balance as of January 1, 2023							\$ 140,055	\$ 80,096	\$ 114,123	\$ 26,654	\$ 15,558	\$ 17,317	\$ 393,804	(b)	
2	2023 January	\$ 1,002,505	\$ 814,250	\$ 324,413	\$ 777,250	\$ 94,143	\$ 11,768	\$ 3,024	\$ 141,058	\$ 80,911	\$ 114,447	\$ 27,432	\$ 15,652	\$ 17,329	\$ 396,828	\$ 395,316
3	2023 February	\$ 2,156,893	\$ 9,958	\$ 703,941	\$ (103,508)	\$ (0,189)	\$ (0,249)	\$ 2,767	\$ 143,215	\$ 80,921	\$ 115,151	\$ 27,328	\$ 15,652	\$ 17,328	\$ 399,595	\$ 396,742
4	2023 March	\$ 2,783,853	\$ 7,392,770	\$ 685,154	\$ 77,002	\$ (3,216)	\$ 416,766	\$ 11,352	\$ 145,998	\$ 88,313	\$ 115,836	\$ 27,405	\$ 15,649	\$ 17,745	\$ 410,947	\$ 400,294
5	2023 April	\$ 702,360	\$ 40,877	\$ 221,504	\$ 18,446	\$ 1,340	\$ 8,867	\$ 993	\$ 146,701	\$ 88,354	\$ 116,058	\$ 27,423	\$ 15,650	\$ 17,754	\$ 411,941	\$ 402,623
6	2023 May	\$ 801,388	\$ 540,215	\$ 101,533	\$ 180,914	\$ (3,575)	\$ 6,110	\$ 1,627	\$ 147,502	\$ 88,895	\$ 116,159	\$ 27,604	\$ 15,647	\$ 17,760	\$ 413,567	\$ 404,447
7	2023 June	\$ 1,155,999	\$ 331,253	\$ 216,504	\$ (272,644)	\$ 120,845	\$ 8,783	\$ 1,561	\$ 148,658	\$ 89,226	\$ 116,376	\$ 27,332	\$ 15,768	\$ 17,769	\$ 415,128	\$ 405,973
8	2023 July	\$ 591,649	\$ (119,893)	\$ 315,802	\$ 47,153	\$ (0,000)	\$ 13,319	\$ 848	\$ 149,250	\$ 89,106	\$ 116,692	\$ 27,379	\$ 15,768	\$ 17,782	\$ 415,976	\$ 407,223
9	2023 August	\$ 468,719	\$ 212,908	\$ 92,640	\$ 54,588	\$ -	\$ 3,924	\$ 833	\$ 149,719	\$ 89,319	\$ 116,784	\$ 27,434	\$ 15,768	\$ 17,786	\$ 416,809	\$ 408,289
10	2023 September	\$ 192,739	\$ (40,979)	\$ 185,589	\$ 32,988	\$ -	\$ 2,672	\$ 373	\$ 149,911	\$ 89,278	\$ 116,970	\$ 27,466	\$ 15,768	\$ 17,789	\$ 417,182	\$ 409,178
11	2023 October	\$ 1,361,209	\$ (0,877)	\$ 1,530,559	\$ 48,392	\$ 38,142	\$ 36,695	\$ 3,014	\$ 151,273	\$ 89,277	\$ 118,501	\$ 27,515	\$ 15,806	\$ 17,825	\$ 420,196	\$ 410,180
12	2023 November	\$ 342,356	\$ 6,366	\$ (211,903)	\$ 279,186	\$ 869,828	\$ 44,115	\$ 1,330	\$ 151,615	\$ 89,283	\$ 118,289	\$ 27,794	\$ 16,676	\$ 17,870	\$ 421,526	\$ 411,125
13	2023 December	\$ 2,557,402	\$ 336,870	\$ 445,198	\$ (3,845)	\$ 44,458	\$ 9,524	\$ 3,390	\$ 154,172	\$ 89,620	\$ 118,734	\$ 27,790	\$ 16,720	\$ 17,879	\$ 424,916	\$ 412,186
14	Total capital additions	\$ 14,117	\$ 9,524	\$ 4,611	\$ 1,136	\$ 1,162	\$ 562	\$ 31,112	\$ 154,172	\$ 89,620	\$ 118,734	\$ 27,790	\$ 16,720	\$ 17,879	\$ 424,916	
Capital Additions as of								December 31, 2023								
								\$ 154,172	\$ 89,620	\$ 118,734	\$ 27,790	\$ 16,720	\$ 17,879	\$ 424,916		

Notes:

(a) Capital additions for Brunswick Common are included with Brunswick 1.

(b) Based on ending balances as of December 31, 2022 as filed with the Commission on Exhibit E-1-TU under Docket E-2, Sub 1324.

DUKE ENERGY PROGRESS

NCEMPA GENERATION ASSET PURCHASE

ACTUAL DEPRECIATION EXPENSE AND ACCUMULATED DEPRECIATION ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

Line No.	DEPRECIATION EXPENSE ON ACTUAL CAPITAL ADDITIONS BY MONTH								ACCUMULATED DEPRECIATION								
	Brunswick 1 (a) (Col A)	Brunswick 2 (Col B)	Harris (Col C)	Mayo (Col D)	Roxboro 4 (Col E)	Roxboro Common (Col F)	Total (Col G)	Year-to-Date Total (Col H)	Brunswick 1 (a) (Col I)	Brunswick 2 (Col J)	Harris (Col K)	Mayo (Col L)	Roxboro 4 (Col M)	Roxboro Common (Col N)	Total (Col O)	Year-to-Date Average (Col P)	
Current Test Year: Calendar 2023																	
1									Beginning Balance as of January 1, 2023	\$ (16,062)	\$ (7,704)	\$ (11,194)	\$ (1,990)	\$ (1,448)	\$ (2,237)	\$ (40,634)	(b)
2	2023	January	\$ 307	\$ 131	\$ 235	\$ 56	\$ 37	\$ 55	\$ 821	\$ (16,369)	\$ (7,836)	\$ (11,429)	\$ (2,045)	\$ (1,485)	\$ (2,291)	\$ (41,455)	\$ (41,045)
3	2023	February	\$ 310	\$ 133	\$ 236	\$ 58	\$ 37	\$ 55	\$ 828	\$ (16,679)	\$ (7,968)	\$ (11,665)	\$ (2,104)	\$ (1,522)	\$ (2,346)	\$ (42,284)	\$ (41,458)
4	2023	March	\$ 315	\$ 133	\$ 237	\$ 58	\$ 37	\$ 55	\$ 834	\$ (16,993)	\$ (8,101)	\$ (11,901)	\$ (2,162)	\$ (1,560)	\$ (2,401)	\$ (43,118)	\$ (41,873)
5	2023	April	\$ 319	\$ 146	\$ 238	\$ 58	\$ 37	\$ 57	\$ 855	\$ (17,312)	\$ (8,247)	\$ (12,139)	\$ (2,220)	\$ (1,597)	\$ (2,457)	\$ (43,973)	\$ (42,293)
6	2023	May	\$ 321	\$ 146	\$ 238	\$ 58	\$ 37	\$ 57	\$ 858	\$ (17,634)	\$ (8,393)	\$ (12,377)	\$ (2,278)	\$ (1,634)	\$ (2,514)	\$ (44,830)	\$ (42,716)
7	2023	June	\$ 322	\$ 147	\$ 238	\$ 59	\$ 37	\$ 57	\$ 860	\$ (17,956)	\$ (8,540)	\$ (12,615)	\$ (2,337)	\$ (1,672)	\$ (2,571)	\$ (45,690)	\$ (43,141)
8	2023	July	\$ 325	\$ 147	\$ 238	\$ 59	\$ 38	\$ 57	\$ 864	\$ (18,281)	\$ (8,687)	\$ (12,853)	\$ (2,395)	\$ (1,709)	\$ (2,628)	\$ (46,554)	\$ (43,567)
9	2023	August	\$ 326	\$ 147	\$ 239	\$ 59	\$ 38	\$ 57	\$ 865	\$ (18,606)	\$ (8,834)	\$ (13,092)	\$ (2,454)	\$ (1,747)	\$ (2,684)	\$ (47,418)	\$ (43,995)
10	2023	September	\$ 327	\$ 147	\$ 239	\$ 59	\$ 38	\$ 57	\$ 866	\$ (18,933)	\$ (8,982)	\$ (13,331)	\$ (2,513)	\$ (1,785)	\$ (2,741)	\$ (48,285)	\$ (44,424)
11	2023	October (c)	\$ 342	\$ 152	\$ 227	\$ 113	\$ 73	\$ 101	\$ 1,008	\$ (19,275)	\$ (9,134)	\$ (13,558)	\$ (2,626)	\$ (1,858)	\$ (2,842)	\$ (49,293)	\$ (44,867)
12	2023	November (c)	\$ 345	\$ 152	\$ 228	\$ 113	\$ 74	\$ 101	\$ 1,013	\$ (19,620)	\$ (9,286)	\$ (13,786)	\$ (2,739)	\$ (1,931)	\$ (2,943)	\$ (50,306)	\$ (45,320)
13	2023	December (c)	\$ 346	\$ 152	\$ 228	\$ 114	\$ 76	\$ 101	\$ 1,017	\$ (19,966)	\$ (9,438)	\$ (14,014)	\$ (2,853)	\$ (2,008)	\$ (3,044)	\$ (51,323)	\$ (45,782)
14	Total Depreciation Expense								\$ 3,904	\$ 1,734	\$ 2,820	\$ 864	\$ 560	\$ 808	\$ 10,689		
									Accumulated Depreciation as of December 31, 2023								
									\$ (19,966)	\$ (9,438)	\$ (14,014)	\$ (2,853)	\$ (2,008)	\$ (3,044)	\$ (51,323)		

Notes:

- (a) Capital additions for Brunswick Common are included with Brunswick 1.
- (b) Based on ending balances as of December 31, 2022 as filed with the Commission on Exhibit E-2-TU under Docket E-2, Sub 1324.
- (c) Includes impact of new depreciation rates in effect October 1, 2023 with Docket No. E-2, Sub 1300.

**EXHIBIT E-3 - TU
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

Line No.		Vintage Year									Total (Col I)	Year-to-Date Average (Col J)
		2023 (a) (Col A)	2022 (b) (Col B)	2021 (c) (Col C)	2020 (d) (Col D)	2019 (e) (Col E)	2018 (f) (Col F)	2017 (g) (Col G)	2016 (h) (Col H)	2015 (i) (Col H)		
	Deferred Tax Asset / (Liability) Balance											
1	Deferred Taxes as of December 31, 2022	\$ -	\$ (995)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (38,997)	(j)
2	Deferred Taxes - January 2023	\$ -	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (39,348)	\$ (39,172)
3	Deferred Taxes - February	\$ (115)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (39,463)	\$ (39,269)
4	Deferred Taxes - March	\$ (255)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (39,603)	\$ (39,353)
5	Deferred Taxes - April	\$ (649)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (39,997)	\$ (39,482)
6	Deferred Taxes - May	\$ (697)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (40,045)	\$ (39,575)
7	Deferred Taxes - June	\$ (759)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (40,107)	\$ (39,651)
8	Deferred Taxes - July	\$ (825)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (40,173)	\$ (39,717)
9	Deferred Taxes - August	\$ (872)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (40,220)	\$ (39,773)
10	Deferred Taxes - September	\$ (906)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (40,254)	\$ (39,821)
11	Deferred Taxes - October	\$ (929)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (40,277)	\$ (39,862)
12	Deferred Taxes - November	\$ (1,108)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (40,456)	\$ (39,912)
13	Deferred Taxes - December 2023	\$ (1,122)	\$ (1,346)	\$ (1,350)	\$ (1,429)	\$ (6,875)	\$ (7,653)	\$ (7,561)	\$ (10,131)	\$ (3,002)	\$ (40,470)	\$ (39,955)

Notes:

- (a) From Exhibit E-12-TU, Deferred Taxes Vintage Year 2023 Additions.
- (b) From Exhibit E-11-TU, Deferred Taxes Vintage Year 2022 Additions.
- (c) From Exhibit E-10-TU, Deferred Taxes Vintage Year 2021 Additions.
- (d) From Exhibit E-9-TU, Deferred Taxes Vintage Year 2020 Additions.
- (e) From Exhibit E-8-TU, Deferred Taxes Vintage Year 2019 Additions.
- (f) From Exhibit E-7-TU, Deferred Taxes Vintage Year 2018 Additions.
- (g) From Exhibit E-6-TU, Deferred Taxes Vintage Year 2017 Additions.
- (h) From Exhibit E-5-TU, Deferred Taxes Vintage Year 2016 Additions.
- (i) From Exhibit E-4-TU, Deferred Taxes Vintage Year 2015 Additions.
- (j) Based on ending balances as of December 31, 2022 as filed with the Commission on Exhibit E-3-TU under Docket E-2, Sub 1324.

EXHIBIT E-4 - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2015 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

		DEFERRED TAX BALANCES						
Line No.		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	24%	13%	16%	14%	14%	14%	
Capital Additions								
2	Gross Capital Additions as of August 31, 2015	\$ (1,165)	\$ (194)	\$ 171	\$ 29	\$ 6	\$ (1)	\$ (1,154)
3	Gross Capital Additions as of September 30, 2015 (cumulative)	\$ (1,147)	\$ 253	\$ 237	\$ 57	\$ 5	\$ (1)	\$ (598)
4	Gross Capital Additions as of October 31, 2015 (cumulative)	\$ (902)	\$ 196	\$ 361	\$ 45	\$ 13	\$ 28	\$ (258)
5	Gross Capital Additions as of November 30, 2015 (cumulative)	\$ 2,658	\$ 7,905	\$ 3,617	\$ 123	\$ 25	\$ 256	\$ 14,584
6	Gross Capital Additions as of December 31, 2015 (cumulative)	\$ 3,849	\$ 7,918	\$ 5,956	\$ 325	\$ 71	\$ 290	\$ 18,409
7	Balance at December 31, 2015	\$ 3,849	\$ 7,918	\$ 5,956	\$ 325	\$ 71	\$ 290	\$ 18,409
Deferred Tax Asset / (Liability) Balance								
8	Deferred Taxes as of December 2022 (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
9	Deferred Taxes as of January 2023 (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
10	Deferred Taxes as of February (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
11	Deferred Taxes as of March (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
12	Deferred Taxes as of April (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
13	Deferred Taxes as of May (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
14	Deferred Taxes as of June (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
15	Deferred Taxes as of July (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
16	Deferred Taxes as of August (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
17	Deferred Taxes as of September (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
18	Deferred Taxes as of October (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
19	Deferred Taxes as of November (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
20	Deferred Taxes as of December 2023 (Line 1 x Line 7)	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002) (c)
21	Deferred Tax Balance at December 31, 2023	\$ (924)	\$ (1,029)	\$ (953)	\$ (45)	\$ (10)	\$ (41)	\$ (3,002)

Notes:

- (a) Amounts represent deferred taxes as a percentage of gross capital additions.
- (b) From Exhibit E-1-TU - Cumulative Capital Additions as filed with the Commission under Docket E-2, Sub 1110.
- (c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

EXHIBIT E-5 - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2016 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

Line No.		DEFERRED TAX BALANCES						
		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	24%	13%	16%	14%	14%	14%	
	Capital Additions							
2	Gross Capital Additions as of January	\$ 645	\$ 575	\$ 616	\$ 142	\$ 26	\$ 72	\$ 2,075 (b)
3	Gross Capital Additions as of February (cumulative)	\$ 899	\$ 739	\$ 495	\$ 151	\$ 27	\$ 81	\$ 2,391 (b)
4	Gross Capital Additions as of March (cumulative)	\$ 9,002	\$ 959	\$ 1,628	\$ 180	\$ 31	\$ 213	\$ 12,012 (b)
5	Gross Capital Additions as of April (cumulative)	\$ 10,806	\$ 957	\$ 2,315	\$ 501	\$ 133	\$ 287	\$ 14,999 (b)
6	Gross Capital Additions as of May (cumulative)	\$ 14,562	\$ 1,759	\$ 2,563	\$ 569	\$ 135	\$ 1,545	\$ 21,132 (b)
7	Gross Capital Additions as of June (cumulative)	\$ 15,309	\$ 1,783	\$ 3,768	\$ 586	\$ 132	\$ 1,528	\$ 23,104 (b)
8	Gross Capital Additions as of July (cumulative)	\$ 16,396	\$ 3,990	\$ 3,875	\$ 681	\$ 131	\$ 1,530	\$ 26,603 (b)
9	Gross Capital Additions as of August (cumulative)	\$ 17,220	\$ 4,371	\$ 4,114	\$ 748	\$ 189	\$ 1,571	\$ 28,213 (b)
10	Gross Capital Additions as of September (cumulative)	\$ 18,016	\$ 4,886	\$ 5,603	\$ 893	\$ 232	\$ 1,590	\$ 31,220 (b)
11	Gross Capital Additions as of October (cumulative)	\$ 18,583	\$ 5,419	\$ 7,705	\$ 1,176	\$ 233	\$ 1,631	\$ 34,746 (b)
12	Gross Capital Additions as of November (cumulative)	\$ 18,856	\$ 5,468	\$ 18,057	\$ 1,323	\$ 275	\$ 1,819	\$ 45,798 (b)
13	Gross Capital Additions as of December (cumulative)	\$ 20,158	\$ 5,835	\$ 23,516	\$ 1,657	\$ 789	\$ 3,070	\$ 55,025 (b)
14	Balance at December 31, 2016	\$ 20,158	\$ 5,835	\$ 23,516	\$ 1,657	\$ 789	\$ 3,070	\$ 55,025
	Deferred Tax Asset / (Liability) Balance							
15	Deferred Taxes as of December 2022 (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
16	Deferred Taxes as of January 2023 (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
17	Deferred Taxes as of February (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
18	Deferred Taxes as of March (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
19	Deferred Taxes as of April (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
20	Deferred Taxes as of May (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
21	Deferred Taxes as of June (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
22	Deferred Taxes as of July (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
23	Deferred Taxes as of August (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
24	Deferred Taxes as of September (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
25	Deferred Taxes as of October (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
26	Deferred Taxes as of November (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
27	Deferred Taxes as of December 2023 (Line 1 x Line 14)	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131) (c)
28	Deferred Tax Balance at December 31, 2023	\$ (4,838)	\$ (759)	\$ (3,763)	\$ (232)	\$ (110)	\$ (430)	\$ (10,131)

Notes:
(a) Amounts represent deferred taxes as a percentage of gross capital additions.
(b) From Exhibit E-1-TU - Cumulative Capital Additions as filed with the Commission under Docket E-2, Sub 1143.
(c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

EXHIBIT E-6 - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2017 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

Line No.		DEFERRED TAX BALANCES						
		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	12%	12%	15%	12%	12%	12%	
	Capital Additions							
2	Gross Capital Additions as of January	\$ 1,750	\$ 2,288	\$ 712	\$ 68	\$ 30	\$ (1)	\$ 4,846 (b)
3	Gross Capital Additions as of February (cumulative)	\$ 1,738	\$ 2,306	\$ 1,196	\$ 225	\$ 72	\$ 27	\$ 5,562 (b)
4	Gross Capital Additions as of March (cumulative)	\$ 6,567	\$ 2,979	\$ 1,530	\$ 256	\$ 71	\$ 34	\$ 11,438 (b)
5	Gross Capital Additions as of April (cumulative)	\$ 5,307	\$ 8,070	\$ 1,757	\$ 246	\$ 92	\$ 36	\$ 15,508 (b)
6	Gross Capital Additions as of May (cumulative)	\$ 5,712	\$ 11,693	\$ 2,159	\$ 707	\$ 431	\$ 34	\$ 20,737 (b)
7	Gross Capital Additions as of June (cumulative)	\$ 7,407	\$ 13,891	\$ 2,269	\$ 898	\$ 548	\$ 60	\$ 25,073 (b)
8	Gross Capital Additions as of July (cumulative)	\$ 8,047	\$ 14,011	\$ 6,809	\$ 932	\$ 2,796	\$ 198	\$ 32,793 (b)
9	Gross Capital Additions as of August (cumulative)	\$ 14,220	\$ 14,764	\$ 12,619	\$ 1,057	\$ 2,903	\$ 470	\$ 46,033 (b)
10	Gross Capital Additions as of September (cumulative)	\$ 17,448	\$ 16,080	\$ 12,886	\$ 1,119	\$ 2,968	\$ 445	\$ 50,946 (b)
11	Gross Capital Additions as of October (cumulative)	\$ 16,846	\$ 16,222	\$ 13,186	\$ 1,126	\$ 2,965	\$ 544	\$ 50,890 (b)
12	Gross Capital Additions as of November (cumulative)	\$ 20,382	\$ 16,183	\$ 14,360	\$ 1,220	\$ 3,079	\$ 579	\$ 55,803 (b)
13	Gross Capital Additions as of December (cumulative)	\$ 21,085	\$ 16,927	\$ 15,466	\$ 1,353	\$ 3,258	\$ 1,055	\$ 59,144 (b)
14	Balance at December 31, 2017	\$ 21,085	\$ 16,927	\$ 15,466	\$ 1,353	\$ 3,258	\$ 1,055	\$ 59,144
	Deferred Tax Asset / (Liability) Balance							
15	Deferred Taxes as of December 2022 (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
16	Deferred Taxes as of January 2023 (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
17	Deferred Taxes as of February (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
18	Deferred Taxes as of March (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
19	Deferred Taxes as of April (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
20	Deferred Taxes as of May (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
21	Deferred Taxes as of June (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
22	Deferred Taxes as of July (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
23	Deferred Taxes as of August (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
24	Deferred Taxes as of September (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
25	Deferred Taxes as of October (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
26	Deferred Taxes as of November (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
27	Deferred Taxes as of December 2023 (Line 1 x Line 14)	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561) (c)
28	Deferred Tax Balance at December 31, 2023	\$ (2,530)	\$ (2,031)	\$ (2,320)	\$ (162)	\$ (391)	\$ (127)	\$ (7,561)

Notes:
(a) Amounts represent deferred taxes as a percentage of gross capital additions.
(b) From Exhibit E-1-TU - Cumulative Capital Additions as filed with the Commission under Docket E-2, Sub 1176.
(c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

**EXHIBIT E-7 - TU
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2018 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

		DEFERRED TAX BALANCES						
Line No.		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	10%	9%	13%	10%	9%	9%	
Capital Additions								
2	Gross Capital Additions as of January	\$ 1,408	\$ 295	\$ 915	\$ 35	\$ (9)	\$ 16	\$ 2,660 (b)
3	Gross Capital Additions as of February (cumulative)	\$ 3,182	\$ 427	\$ 1,254	\$ 35	\$ (4)	\$ 21	\$ 4,916 (b)
4	Gross Capital Additions as of March (cumulative)	\$ 6,404	\$ 160	\$ 1,226	\$ 35	\$ (4)	\$ 24	\$ 7,846 (b)
5	Gross Capital Additions as of April (cumulative)	\$ 19,185	\$ 67	\$ 1,996	\$ 76	\$ (2)	\$ 49	\$ 21,371 (b)
6	Gross Capital Additions as of May (cumulative)	\$ 20,093	\$ 2,694	\$ 17,917	\$ 76	\$ 8,020	\$ 46	\$ 48,847 (b)
7	Gross Capital Additions as of June (cumulative)	\$ 25,748	\$ 2,716	\$ 18,962	\$ 383	\$ 9,174	\$ 50	\$ 57,033 (b)
8	Gross Capital Additions as of July (cumulative)	\$ 26,858	\$ 3,050	\$ 19,695	\$ 392	\$ 9,152	\$ 61	\$ 59,208 (b)
9	Gross Capital Additions as of August (cumulative)	\$ 28,085	\$ 3,142	\$ 20,165	\$ 395	\$ 9,181	\$ 59	\$ 61,026 (b)
10	Gross Capital Additions as of September (cumulative)	\$ 27,786	\$ 3,205	\$ 20,561	\$ 395	\$ 9,154	\$ 61	\$ 61,161 (b)
11	Gross Capital Additions as of October (cumulative)	\$ 27,941	\$ 3,268	\$ 20,765	\$ 395	\$ 9,220	\$ 100	\$ 61,689 (b)
12	Gross Capital Additions as of November (cumulative)	\$ 29,655	\$ 3,430	\$ 21,124	\$ 628	\$ 9,240	\$ 125	\$ 64,203 (b)
13	Gross Capital Additions as of December (cumulative)	\$ 31,630	\$ 3,477	\$ 21,446	\$ 826	\$ 10,026	\$ 4,494	\$ 71,899 (b)
14	Balance at December 31, 2018	\$ 31,630	\$ 3,477	\$ 21,446	\$ 826	\$ 10,026	\$ 4,494	\$ 71,899
Deferred Tax Asset / (Liability) Balance								
15	Deferred Taxes as of December 2022 (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
16	Deferred Taxes as of January 2023 (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
17	Deferred Taxes as of February (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
18	Deferred Taxes as of March (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
19	Deferred Taxes as of April (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
20	Deferred Taxes as of May (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
21	Deferred Taxes as of June (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
22	Deferred Taxes as of July (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
23	Deferred Taxes as of August (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
24	Deferred Taxes as of September (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
25	Deferred Taxes as of October (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
26	Deferred Taxes as of November (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
27	Deferred Taxes as of December 2023 (Line 1 x Line 14)	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653) (c)
28	Deferred Tax Balance at December 31, 2023	\$ (3,163)	\$ (313)	\$ (2,788)	\$ (83)	\$ (902)	\$ (404)	\$ (7,653)

Notes:

- (a) Amounts represent deferred taxes as a percentage of gross capital additions.
- (b) From Exhibit E-1-TU - Cumulative Capital Additions as filed with the Commission under Docket E-2, Sub 1207.
- (c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

**EXHIBIT E-8 - TU
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2019 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

DEFERRED TAX BALANCES

Line No.		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	7%	6%	9%	6%	5%	5%	
	Capital Additions							
2	Gross Capital Additions as of January	\$ 1,369	\$ 322	\$ 195	\$ 116	\$ (8)	\$ 1,356	\$ 3,348 (b)
3	Gross Capital Additions as of February (cumulative)	\$ 1,470	\$ 357	\$ 103	\$ 119	\$ 4	\$ 1,445	\$ 3,497 (b)
4	Gross Capital Additions as of March (cumulative)	\$ 2,695	\$ 2,278	\$ 552	\$ 6,385	\$ 19	\$ 1,918	\$ 13,847 (b)
5	Gross Capital Additions as of April (cumulative)	\$ 3,158	\$ 15,971	\$ 1,948	\$ 9,056	\$ 15	\$ 6,738	\$ 36,885 (b)
6	Gross Capital Additions as of May (cumulative)	\$ 7,136	\$ 17,873	\$ 2,023	\$ 13,469	\$ 82	\$ 6,991	\$ 47,573 (b)
7	Gross Capital Additions as of June (cumulative)	\$ 9,921	\$ 22,101	\$ 2,693	\$ 13,579	\$ 74	\$ 7,167	\$ 55,535 (b)
8	Gross Capital Additions as of July (cumulative)	\$ 10,293	\$ 22,441	\$ 4,775	\$ 13,744	\$ 70	\$ 7,287	\$ 58,609 (b)
9	Gross Capital Additions as of August (cumulative)	\$ 10,526	\$ 22,583	\$ 4,840	\$ 13,913	\$ 60	\$ 7,458	\$ 59,380 (b)
10	Gross Capital Additions as of September (cumulative)	\$ 10,659	\$ 22,577	\$ 5,781	\$ 14,029	\$ 60	\$ 7,502	\$ 60,608 (b)
11	Gross Capital Additions as of October (cumulative)	\$ 11,265	\$ 22,765	\$ 6,901	\$ 14,435	\$ 57	\$ 7,574	\$ 62,996 (b)
12	Gross Capital Additions as of November (cumulative)	\$ 12,176	\$ 22,723	\$ 21,454	\$ 14,686	\$ 117	\$ 7,632	\$ 78,787 (b)
13	Gross Capital Additions as of December (cumulative)	\$ 19,288	\$ 27,199	\$ 28,956	\$ 14,909	\$ 157	\$ 7,696	\$ 98,204 (b)
14	Balance at December 31, 2019	\$ 19,288	\$ 27,199	\$ 28,956	\$ 14,909	\$ 157	\$ 7,696	\$ 98,204
	Deferred Tax Asset / (Liability) Balance							
15	Deferred Taxes as of December 2022 (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
16	Deferred Taxes as of January 2023 (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
17	Deferred Taxes as of February (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
18	Deferred Taxes as of March (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
19	Deferred Taxes as of April (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
20	Deferred Taxes as of May (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
21	Deferred Taxes as of June (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
22	Deferred Taxes as of July (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
23	Deferred Taxes as of August (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
24	Deferred Taxes as of September (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
25	Deferred Taxes as of October (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
26	Deferred Taxes as of November (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
27	Deferred Taxes as of December 2023 (Line 1 x Line 14)	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875) (c)
28	Deferred Tax Balance at December 31, 2023	\$ (1,350)	\$ (1,632)	\$ (2,606)	\$ (895)	\$ (8)	\$ (385)	\$ (6,875)

Notes:
(a) Amounts represent deferred taxes as a percentage of gross capital additions.
(b) From Exhibit E-1-TU - Cumulative Capital Additions as filed with the Commission under Docket E-2, Sub 1253.
(c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

**EXHIBIT E-9 - TU
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2020 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

Line No.		DEFERRED TAX BALANCES						
		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	5%	4%	8%	3%	2%	2%	
	Capital Additions							
2	Gross Capital Additions as of January	\$ 3,835	\$ 1,298	\$ 1,661	\$ 19	\$ 33	\$ 30	\$ 6,876 (b)
3	Gross Capital Additions as of February (cumulative)	\$ 5,850	\$ 1,445	\$ 2,064	\$ 746	\$ 33	\$ 75	\$ 10,214 (b)
4	Gross Capital Additions as of March (cumulative)	\$ 7,599	\$ 1,554	\$ 2,292	\$ 910	\$ 33	\$ 88	\$ 12,477 (b)
5	Gross Capital Additions as of April (cumulative)	\$ 9,632	\$ 1,627	\$ 2,301	\$ 974	\$ 34	\$ 119	\$ 14,687 (b)
6	Gross Capital Additions as of May (cumulative)	\$ 9,934	\$ 1,686	\$ 2,285	\$ 1,013	\$ 204	\$ 138	\$ 15,262 (b)
7	Gross Capital Additions as of June (cumulative)	\$ 10,593	\$ 1,699	\$ 2,347	\$ 1,039	\$ 356	\$ 166	\$ 16,201 (b)
8	Gross Capital Additions as of July (cumulative)	\$ 10,883	\$ 1,735	\$ 2,358	\$ 1,055	\$ 365	\$ 181	\$ 16,577 (b)
9	Gross Capital Additions as of August (cumulative)	\$ 11,409	\$ 2,204	\$ 2,389	\$ 1,071	\$ 367	\$ 194	\$ 17,633 (b)
10	Gross Capital Additions as of September (cumulative)	\$ 11,681	\$ 2,249	\$ 2,439	\$ 1,079	\$ 392	\$ 211	\$ 18,053 (b)
11	Gross Capital Additions as of October (cumulative)	\$ 11,835	\$ 2,829	\$ 2,465	\$ 1,275	\$ 394	\$ 211	\$ 19,010 (b)
12	Gross Capital Additions as of November (cumulative)	\$ 12,132	\$ 2,987	\$ 2,495	\$ 1,509	\$ 398	\$ 284	\$ 19,804 (b)
13	Gross Capital Additions as of December (cumulative)	\$ 18,075	\$ 3,037	\$ 3,686	\$ 3,136	\$ 447	\$ 305	\$ 28,686 (b)
14	Balance at December 31, 2020	\$ 18,075	\$ 3,037	\$ 3,686	\$ 3,136	\$ 447	\$ 305	\$ 28,686
	Deferred Tax Asset / (Liability) Balance							
15	Deferred Taxes as of December 2022 (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
16	Deferred Taxes as of January 2023 (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
17	Deferred Taxes as of February (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
18	Deferred Taxes as of March (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
19	Deferred Taxes as of April (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
20	Deferred Taxes as of May (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
21	Deferred Taxes as of June (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
22	Deferred Taxes as of July (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
23	Deferred Taxes as of August (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
24	Deferred Taxes as of September (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
25	Deferred Taxes as of October (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
26	Deferred Taxes as of November (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
27	Deferred Taxes as of December 2023 (Line 1 x Line 14)	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429) (c)
28	Deferred Tax Balance at December 31, 2023	\$ (904)	\$ (121)	\$ (295)	\$ (94)	\$ (9)	\$ (6)	\$ (1,429)

Notes:
(a) Amounts represent deferred taxes as a percentage of gross capital additions.
(b) From Exhibit E-1-TU - Cumulative Capital Additions as filed with the Commission under Docket E-2, Sub 1274.
(c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

**EXHIBIT E-10 - TU
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2021 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

		DEFERRED TAX BALANCES						
Line No.		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mayo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	4%	3%	7%	3%	1%	1%	
Capital Additions								
2	Gross Capital Additions as of January	\$ 2,510	\$ 38	\$ 231	\$ (870)	\$ 0	\$ 19	\$ 1,929 (b)
3	Gross Capital Additions as of February (cumulative)	\$ 4,083	\$ (9)	\$ 767	\$ (862)	\$ (2)	\$ 23	\$ 3,999 (b)
4	Gross Capital Additions as of March (cumulative)	\$ 4,386	\$ 388	\$ 906	\$ (858)	\$ 47	\$ 24	\$ 4,893 (b)
5	Gross Capital Additions as of April (cumulative)	\$ 4,615	\$ 7,752	\$ 1,007	\$ (920)	\$ 51	\$ 25	\$ 12,531 (b)
6	Gross Capital Additions as of May (cumulative)	\$ 7,263	\$ 8,486	\$ 4,002	\$ (915)	\$ 413	\$ 25	\$ 19,275 (b)
7	Gross Capital Additions as of June (cumulative)	\$ 8,431	\$ 8,461	\$ 4,347	\$ (770)	\$ 442	\$ 28	\$ 20,940 (b)
8	Gross Capital Additions as of July (cumulative)	\$ 8,936	\$ 8,667	\$ 4,521	\$ (771)	\$ 507	\$ 8	\$ 21,868 (b)
9	Gross Capital Additions as of August (cumulative)	\$ 10,485	\$ 8,646	\$ 4,633	\$ (771)	\$ 507	\$ 58	\$ 23,559 (b)
10	Gross Capital Additions as of September (cumulative)	\$ 11,094	\$ 9,097	\$ 4,771	\$ (764)	\$ 516	\$ 58	\$ 24,771 (b)
11	Gross Capital Additions as of October (cumulative)	\$ 11,709	\$ 9,258	\$ 4,796	\$ (708)	\$ 516	\$ 63	\$ 25,634 (b)
12	Gross Capital Additions as of November (cumulative)	\$ 12,624	\$ 9,266	\$ 5,474	\$ (625)	\$ 525	\$ 303	\$ 27,568 (b)
13	Gross Capital Additions as of December (cumulative)	\$ 13,559	\$ 11,111	\$ 6,858	\$ (509)	\$ 580	\$ 321	\$ 31,920 (b)
14	Balance at December 31, 2021	\$ 13,559	\$ 11,111	\$ 6,858	\$ (509)	\$ 580	\$ 321	\$ 31,920
Deferred Tax Asset / (Liability) Balance								
15	Deferred Taxes as of December 2022 (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
16	Deferred Taxes as of January 2023 (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
17	Deferred Taxes as of February (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
18	Deferred Taxes as of March (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
19	Deferred Taxes as of April (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
20	Deferred Taxes as of May (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
21	Deferred Taxes as of June (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
22	Deferred Taxes as of July (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
23	Deferred Taxes as of August (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
24	Deferred Taxes as of September (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
25	Deferred Taxes as of October (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
26	Deferred Taxes as of November (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
27	Deferred Taxes as of December 2023 (Line 1 x Line 14)	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350) (c)
28	Deferred Tax Balance at December 31, 2023	\$ (542)	\$ (333)	\$ (480)	\$ 15	\$ (6)	\$ (3)	\$ (1,350)

Notes:
(a) Amounts represent deferred taxes as a percentage of gross capital additions.
(b) From Exhibit E-1-TU - Cumulative Capital Additions as filed with the Commission under Docket E-2, Sub 1295.
(c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

EXHIBIT E-11 - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2022 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

DEFERRED TAX BALANCES

Line No.		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mavo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	4%	3%	8%	1%	1%	1%	
Capital Additions								
2	Gross Capital Additions as of January	\$ 771	\$ 634	\$ 996	\$ 54	\$ 79	\$ 3	\$ 2,536 (b)
3	Gross Capital Additions as of February (cumulative)	\$ 1,356	\$ 680	\$ 1,230	\$ 94	\$ 79	\$ (3)	\$ 3,435 (b)
4	Gross Capital Additions as of March (cumulative)	\$ 4,949	\$ 2,228	\$ 1,700	\$ 82	\$ 78	\$ 3	\$ 9,040 (b)
5	Gross Capital Additions as of April (cumulative)	\$ 6,151	\$ 2,285	\$ 327	\$ 82	\$ 77	\$ 2	\$ 8,925 (b)
6	Gross Capital Additions as of May (cumulative)	\$ 6,628	\$ 2,273	\$ 374	\$ 2,994	\$ 76	\$ 14	\$ 12,358 (b)
7	Gross Capital Additions as of June (cumulative)	\$ 7,666	\$ 2,487	\$ 484	\$ 3,287	\$ 75	\$ 13	\$ 14,012 (b)
8	Gross Capital Additions as of July (cumulative)	\$ 8,365	\$ 3,342	\$ 1,932	\$ 3,533	\$ 75	\$ 14	\$ 17,261 (b)
9	Gross Capital Additions as of August (cumulative)	\$ 9,825	\$ 3,507	\$ 2,205	\$ 3,664	\$ 79	\$ 15	\$ 19,294 (b)
10	Gross Capital Additions as of September (cumulative)	\$ 5,571	\$ 3,702	\$ 3,078	\$ 3,770	\$ 79	\$ 15	\$ 16,214 (b)
11	Gross Capital Additions as of October (cumulative)	\$ 8,110	\$ 3,859	\$ 5,750	\$ 3,778	\$ 182	\$ 14	\$ 21,694 (b)
12	Gross Capital Additions as of November (cumulative)	\$ 8,617	\$ 3,950	\$ 6,130	\$ 3,795	\$ 232	\$ 84	\$ 22,808 (b)
13	Gross Capital Additions as of December (cumulative)	\$ 12,411	\$ 4,592	\$ 8,239	\$ 4,958	\$ 231	\$ 85	\$ 30,516 (b)
14	Balance at December 31, 2022	\$ 12,411	\$ 4,592	\$ 8,239	\$ 4,958	\$ 231	\$ 85	\$ 30,516
Deferred Tax Asset / (Liability) Balance								
15	Deferred Taxes as of December 2022 (Line 1 x Line 14)	\$ (345)	\$ (119)	\$ (490)	\$ (38)	\$ (2)	\$ (1)	\$ (995)
16	Deferred Taxes as of January 2023 (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)
17	Deferred Taxes as of February (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
18	Deferred Taxes as of March (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
19	Deferred Taxes as of April (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
20	Deferred Taxes as of May (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
21	Deferred Taxes as of June (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
22	Deferred Taxes as of July (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
23	Deferred Taxes as of August (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
24	Deferred Taxes as of September (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
25	Deferred Taxes as of October (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
26	Deferred Taxes as of November (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
27	Deferred Taxes as of December 2023 (Line 1 x Line 14)	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)(c)
28	Deferred Tax Balance at December 31, 2023	\$ (496)	\$ (138)	\$ (659)	\$ (50)	\$ (2)	\$ (1)	\$ (1,346)

Notes:

- (a) Amounts represent deferred taxes as a percentage of gross capital additions.
- (b) From Exhibit E-1-TU - Cumulative Capital Additions as filed with the Commission under Docket E-2, Sub 1324.
- (c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

EXHIBIT E-12 - TU
DOCKET E-2, SUB 1345

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
DEFERRED TAXES ON CAPITAL ADDITIONS BY GENERATING UNIT BY MONTH SINCE THE DATE OF PURCHASE
VINTAGE YEAR 2023 ADDITIONS
RELATED TO PURCHASE FROM NCEMPA
(Thousands of Dollars)

DEFERRED TAX BALANCES

Line No.		DEFERRED TAX BALANCES						
		Brunswick 1 (Col A)	Brunswick 2 (Col B)	Harris (Col D)	Mavo (Col E)	Roxboro 4 (Col F)	Roxboro Common (Col G)	Total (Col H)
1	Deferred Tax Percentage - 2023 - with 21% Federal tax rate (a)	4%	3%	8%	3%	1%	1%	
	Capital Additions							
2	Gross Capital Additions as of January	\$ 1,003	\$ 814	\$ 324	\$ 777	\$ 94	\$ 12	\$ 3,024 (b)
3	Gross Capital Additions as of February (cumulative)	\$ 3,159	\$ 824	\$ 1,028	\$ 674	\$ 94	\$ 12	\$ 5,791 (b)
4	Gross Capital Additions as of March (cumulative)	\$ 5,943	\$ 8,217	\$ 1,714	\$ 751	\$ 91	\$ 428	\$ 17,144 (b)
5	Gross Capital Additions as of April (cumulative)	\$ 6,646	\$ 8,258	\$ 1,935	\$ 769	\$ 92	\$ 437	\$ 18,137 (b)
6	Gross Capital Additions as of May (cumulative)	\$ 7,447	\$ 8,798	\$ 2,037	\$ 950	\$ 89	\$ 443	\$ 19,763 (b)
7	Gross Capital Additions as of June (cumulative)	\$ 8,603	\$ 9,129	\$ 2,253	\$ 677	\$ 209	\$ 452	\$ 21,324 (b)
8	Gross Capital Additions as of July (cumulative)	\$ 9,195	\$ 9,009	\$ 2,569	\$ 725	\$ 209	\$ 465	\$ 22,172 (b)
9	Gross Capital Additions as of August (cumulative)	\$ 9,663	\$ 9,222	\$ 2,661	\$ 779	\$ 209	\$ 469	\$ 23,005 (b)
10	Gross Capital Additions as of September (cumulative)	\$ 9,856	\$ 9,181	\$ 2,847	\$ 812	\$ 209	\$ 472	\$ 23,378 (b)
11	Gross Capital Additions as of October (cumulative)	\$ 11,217	\$ 9,180	\$ 4,378	\$ 861	\$ 247	\$ 509	\$ 26,392 (b)
12	Gross Capital Additions as of November (cumulative)	\$ 11,560	\$ 9,187	\$ 4,166	\$ 1,140	\$ 1,117	\$ 553	\$ 27,722 (b)
13	Gross Capital Additions as of December (cumulative)	\$ 14,117	\$ 9,524	\$ 4,611	\$ 1,136	\$ 1,162	\$ 562	\$ 31,112 (b)
14	Balance at December 31, 2023	\$ 14,117	\$ 9,524	\$ 4,611	\$ 1,136	\$ 1,162	\$ 562	\$ 31,112
	Deferred Tax Asset / (Liability) Balance							
15	Deferred Taxes as of December 2022	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Deferred Taxes as of January 2023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	Deferred Taxes as of February (Line 1 x Line 2)	\$ (40)	\$ (24)	\$ (26)	\$ (23)	\$ (1)	\$ (0)	\$ (115) (c)
18	Deferred Taxes as of March (Line 1 x Line 3)	\$ (126)	\$ (25)	\$ (82)	\$ (20)	\$ (1)	\$ (0)	\$ (255) (c)
19	Deferred Taxes as of April (Line 1 x Line 4)	\$ (238)	\$ (247)	\$ (137)	\$ (23)	\$ (1)	\$ (4)	\$ (649) (c)
20	Deferred Taxes as of May (Line 1 x Line 5)	\$ (266)	\$ (248)	\$ (155)	\$ (23)	\$ (1)	\$ (4)	\$ (697) (c)
21	Deferred Taxes as of June (Line 1 x Line 6)	\$ (298)	\$ (264)	\$ (163)	\$ (29)	\$ (1)	\$ (4)	\$ (759) (c)
22	Deferred Taxes as of July (Line 1 x Line 7)	\$ (344)	\$ (274)	\$ (180)	\$ (20)	\$ (2)	\$ (5)	\$ (825) (c)
23	Deferred Taxes as of August (Line 1 x Line 8)	\$ (368)	\$ (270)	\$ (206)	\$ (22)	\$ (2)	\$ (5)	\$ (872) (c)
24	Deferred Taxes as of September (Line 1 x Line 9)	\$ (387)	\$ (277)	\$ (213)	\$ (23)	\$ (2)	\$ (5)	\$ (906) (c)
25	Deferred Taxes as of October (Line 1 x Line 10)	\$ (394)	\$ (275)	\$ (228)	\$ (24)	\$ (2)	\$ (5)	\$ (929) (c)
26	Deferred Taxes as of November (Line 1 x Line 11)	\$ (449)	\$ (275)	\$ (350)	\$ (26)	\$ (2)	\$ (5)	\$ (1,108) (c)
27	Deferred Taxes as of December 2023 (Line 1 x Line 12)	\$ (462)	\$ (276)	\$ (333)	\$ (34)	\$ (11)	\$ (6)	\$ (1,122) (c)
28	Deferred Tax Balance at December 31, 2023	\$ (565)	\$ (286)	\$ (369)	\$ (34)	\$ (12)	\$ (6)	\$ (1,271)

Notes:

- (a) Amounts represent deferred taxes as a percentage of gross capital additions.
- (b) From Exhibit E-1-TU - Cumulative Capital Additions.
- (c) Depreciation commences in the month subsequent to the asset being placed in service. Deferred taxes associated with book versus tax timing difference differences will also commence in the month subsequent to the asset being placed in service.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF INCREMENTAL OPERATING EXPENSES AND REDUCTION OF OTHER ELECTRIC REVENUE
RESULTING FROM ACQUIRING NCEMPA ASSETS for TEST YEAR ENDED DECEMBER 2023

Line No.	Description	FERC Account Number (Col A)	Actual System Incremental Amount (In Dollars)													Test Year to Date (Col N)	Allocated to NC Retail (a) (Thousands of Dollars) (Col O)
			January (Col B)	February (Col C)	March (Col D)	April (Col E)	May (Col F)	June (Col G)	July (Col H)	August (Col I)	September (Col J)	October (Col K)	November (Col L)	December (Col M)			
1	Roxboro 4 O&M	500-514	\$ 69,329	\$ 65,047	\$ 86,756	\$ 72,944	\$ 60,524	\$ 108,646	\$ 88,301	\$ 127,856	\$ 356,613	\$ 158,606	\$ 93,836	\$ 57,457	\$ 1,345,915	(c)	\$ 845
2	Mayo 1 O&M	500-514	\$ 181,734	\$ 200,678	\$ 179,442	\$ 262,709	\$ 248,912	\$ 358,116	\$ 113,514	\$ 251,412	\$ 206,827	\$ 254,313	\$ 245,783	\$ 320,774	\$ 2,824,214	(c)	\$ 1,774
3	Brunswick Plant O&M	517-532	\$ 3,174,202	\$ 6,576,306	\$ 4,172,693	\$ 2,590,129	\$ 2,604,557	\$ 2,663,247	\$ 2,388,358	\$ 2,298,793	\$ 2,383,325	\$ 2,407,179	\$ 2,070,812	\$ 2,750,921	\$ 36,080,523	(c)	\$ 22,664
4	Harris 1 O&M	517-532	\$ 1,584,433	\$ 1,460,032	\$ 1,338,781	\$ 1,523,580	\$ 1,447,335	\$ 1,734,202	\$ 1,435,030	\$ 1,456,609	\$ 1,216,463	\$ 1,417,894	\$ 1,240,369	\$ 2,032,003	\$ 17,886,732	(c)	\$ 11,236
5	A&G Expenses	929	\$ 3,122,946	\$ 2,598,610	\$ 3,313,063	\$ 2,725,814	\$ 2,626,621	\$ 2,781,008	\$ 2,506,939	\$ 2,449,446	\$ 3,084,827	\$ 2,180,490	\$ 4,708,914	\$ 1,976,045	\$ 34,074,723	(c)	\$ 21,404
6	Payroll Taxes	408	\$ 256,597	\$ 276,474	\$ 374,662	\$ 277,348	\$ 260,020	\$ 234,679	\$ 235,472	\$ 251,414	\$ 321,736	\$ 149,721	\$ 470,458	\$ 227,283	\$ 3,335,864	(c)	\$ 2,095
7	General Plant Return	454	\$ 320,203	\$ 320,203	\$ 320,203	\$ 320,203	\$ 320,203	\$ 320,203	\$ 320,203	\$ 418,491	\$ 332,489	\$ 332,489	\$ 332,489	\$ 332,489	\$ 3,989,868	(c)	\$ 2,506
8	Dispatch Fee	456	\$ 2,933	\$ 3,312	\$ 3,383	\$ 3,136	\$ 3,183	\$ 3,421	\$ 2,757	\$ 3,387	\$ 3,233	\$ 1,466	\$ 2,707	\$ 2,505	\$ 35,422	(c)	\$ 22
9	Auxiliary Power	447	\$ 79,352	\$ 49,587	\$ 42,817	\$ 38,848	\$ 44,532	\$ 56,949	\$ 24,963	\$ 19,624	\$ 24,013	\$ 33,229	\$ 45,207	\$ 50,223	\$ 509,343	(c)	\$ 320
10	Site Representative	456	\$ 409	\$ 409	\$ 409	\$ 409	\$ 409	\$ 409	\$ 409	\$ 409	\$ 409	\$ 409	\$ 409	\$ 409	\$ 4,908	(c)	\$ 3
11	Property taxes	408	\$ 587,597	\$ 587,597	\$ 587,597	\$ 587,597	\$ 587,597	\$ 587,597	\$ 587,597	\$ 933,836	\$ 630,877	\$ 630,877	\$ 630,877	\$ 630,877	\$ 7,570,525	(d)	\$ 4,755
12	NCEMPA revenue included in cost of service for a return on coal inventory	454	\$ 13	\$ 3,877	\$ 4,334	\$ 285	\$ 2,625	\$ 4,737	\$ 16,692	\$ 3,844	\$ 3,977	\$ 1,210	\$ 1,107	\$ 6,146	\$ 48,846	(c)	\$ 31
13	Incremental nuclear decommissioning costs (e)	403	\$ 192,506	\$ 192,506	\$ 192,506	\$ 192,506	\$ 192,506	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 962,529	(b)	\$ 605
14	Total		\$ 9,572,254	\$ 12,334,639	\$ 10,616,644	\$ 8,595,508	\$ 8,399,023	\$ 8,853,213	\$ 7,720,236	\$ 8,215,121	\$ 8,564,791	\$ 7,567,884	\$ 9,842,968	\$ 8,387,131	\$ 108,669,414		\$ 68,261
15	Allocated to NC Retail (Thousands of Dollars) (a)		\$ 6,013	\$ 7,748	\$ 6,669	\$ 5,399	\$ 5,276	\$ 5,561	\$ 4,849	\$ 5,160	\$ 5,380	\$ 4,754	\$ 6,183	\$ 5,268	\$ 68,261		

- Notes:
- (a) From Exhibit I-TU: Demand Allocator to NC Retail from 2023 cost of service study of: 62.8152%
 - (b) From Exhibit F-1-TU, Line 8.
 - (c) System amounts on Line 1 through Line 10 and Line 12 are the amounts that would have been billed to NCEMPA during the Test Year.
 - (d) Property taxes are derived based on incremental asset balance and DEP's property tax rate as agreed upon with the governing jurisdictions.
 - (e) Nuclear decommissioning accrual stopped June 1, 2023 with implementation of interim rates for rate case under Docket No. E-2 Sub 1300.

**EXHIBIT F-1-TU
DOCKET E-2, SUB 1345**

DUKE ENERGY PROGRESS, LLC
NCEMPA GENERATION ASSET PURCHASE
CALCULATION OF INCREMENTAL NUCLEAR DECOMMISSIONING EXPENSE for TEST YEAR ENDED DECEMBER 2023
(In Dollars)

Line No.	<u>Brunswick 1</u> (Col A)	<u>Brunswick 2</u> (Col B)	<u>Harris</u> (Col C)	<u>Robinson</u> (Col D)	<u>Total</u> (Col E)	
<u>Decommissioning recovered in interim and permanent base rates under Docket E-2, Sub 1219:</u>						
1	NC Retail Nuclear decommissioning expense included in base rates	\$ 3,911,202	\$ 1,180,268	\$ 3,018,357	\$ 1,148,193	\$ 9,258,020
2	NC retail allocation factor used in rate case - 2018 Cost of Service	61.5278%	61.5278%	61.5278%	61.5278%	
3	System Amount including NCEMPA's ownership (Line 1 divided by Line 2)	\$ 6,356,805	\$ 1,918,269	\$ 4,905,680	\$ 1,866,137	\$ 15,046,890
4	NCEMPA's ownership %	18.33%	18.33%	16.17%	0.00%	
5	Incremental decommissioning related to purchase from NCEMPA (Line 3 x Line 4)	\$ 1,165,202	\$ 351,619	\$ 793,248	\$ -	\$ 2,310,069
6	NC retail allocation factor - 2023 Cost of Service	62.8152%	62.8152%	62.8152%	62.8152%	
7	NC retail's incremental nuclear decommissioning expense (Line 5 x Line 6)	\$ 731,925	\$ 220,870	\$ 498,281	\$ -	\$ 1,451,075
8	Monthly system incremental nuclear decommissioning expense through May 2023 (Line 5 divided by 12)	\$ 97,100	\$ 29,302	\$ 66,104	\$ -	\$ 192,506

Notes:

- (a) From Exhibit I-TU: Demand Allocator to NC Retail from 2023 cost of service study.
- (b) Nuclear decommissioning accrual stopped June 1, 2023 with implementation of interim rates for rate case under Docket No. E-2 Sub 1300.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
PRODUCTION DEMAND ALLOCATION FACTORS INCLUDING ADJUSTMENT FOR NCEMPA ADDITIONAL SALES
Retail Per Books Cost of Service Study - 12 Months Ended December 31, 2023

Line No.	Rate Schedule	12 CP Firm, Modified A&E within Retail Demand (KW) (Col A)	Ratio of Each Rate Schedule To Total (Col B)	Rate Class	NC Retail Allocation Factors	
					Percent of System (Col C)	Class Percent of Total NC Retail (Col D)
1	NC RES	3,273,174	0.309300	Residential Class	31.7002%	50.4658%
2	NC RES-TOU	81,511	0.007702	SGS Class	3.4922%	5.5595%
3	NC SGS	363,631	0.034361	MGS Class	16.3532%	26.0337% **
4	NC SGS-CLR	5,933	0.000561	SI Class	0.1485%	0.2364%
5	NC MGS-TOU	1,185,852	0.112058	LGS Class	10.4023%	16.5601%
6	NC MGS	544,725	0.051474	TSS Class	0.0047%	0.0075%
7	NC SI	15,713	0.001485	Outdoor Lighting Class	0.7142%	1.1370%
8	NC LGS	147,767	0.013963	Total	62.8152%	100.0000%
9	NC LGS-TOU	255,819	0.024174			
10	NC LGS-RTP	697,236	0.065886			
11	NC TSS	499	0.000047			
12	NC ALS	56,814	0.005369	**Allocation of MGS Class between kW and kWh billed customers		
13	NC SLS	18,376	0.001736	MGS Class - billed on kWh basis	0.08%	0.0202% Note 2
14	NC SFLS	390	0.000037	MGS Class - billed on kW basis	99.92%	26.0135% Note 2
15	Total NCR	6,647,439	0.628152			26.0337%
16	Total NCWHS incl. NCEMPA	3,034,619	0.286757			
17	Total NC	9,682,057	0.914910			
18	SC RES	364,613	0.034454			
19	SC RET	6,203	0.000586			
20	SC SGS	43,622	0.004122			
21	SC SGS-CLR	654	0.000062			
22	SC MGS-TOU	136,428	0.012892			
23	SC MGS	89,150	0.008424			
24	SC SI	4,281	0.000405			
25	SC LGS	59,113	0.005586			
26	SC LGS-TOU	38,993	0.003685			
27	SC LGS-CRTL-TOU	73,532	0.006948			
28	SC LGS-RTP	69,943	0.006609			
29	SC TSS	219	0.000021			
30	SC ALS	10,783	0.001019			
31	SC SLS	2,900	0.000274			
32	SC SFLS	38	0.000004			
33	Total SCR	900,470	0.085090			
34	SCWHS	-	0.000000			
35	Total SC	900,470	0.085090			
36	Total System with NCEMPA retained capacity	10,582,528	1.000000			

NC Retail Allocation Factor After the Purchase		
Total NC Retail 12 CP Firm Demand (Line 15)	6,647,439	62.8152%
Total System with NCEMPA retained capacity (Line 36)	10,582,528	

Note 1: Excludes NCEMC Peaking Capacity.
Note 2: Allocated between kW and kWh billed customers using billing determinants. See Notes on Exhibit K-TU.

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
COST OF CAPITAL, TAX RATES AND REGULATORY FEES

Line
No.

OFFICIAL COPY

Jun 11 2024

CALCULATION OF COST OF CAPITAL:

	Capitalization <u>Ratio</u> (Col A)	Approved <u>Cost Rate</u> (Col B)	<u>Rate of Return</u> (Col C)	<u>Weighted Cost of Capital</u>		
				<u>After Tax</u> (Col D)	<u>Before Tax</u> (Col E)	
Cost of capital approved by the NCUC in Duke Energy Progress, LLC'S rate case docket No. E-2, Sub 1142 dated February 23, 2018:						
1	Long-term debt	48.00%	4.05%	1.9440%	1.4944%	1.9440%
2	Common stock equity	52.00%	9.90%	5.1480%	5.1480%	6.7000%
3	Total	100.00%		<u>7.0920%</u>	<u>6.6424%</u>	<u>8.6440%</u>
4	Discounted annual rate to convert monthly to annual compounding				<u>6.4484%</u>	<u>8.3900%</u>
5	Discounted monthly rate to convert monthly to annual compounding				<u>0.5374%</u>	<u>0.6933%</u>
Cost of capital approved by the NCUC in Duke Energy Progress, LLC'S rate case docket No. E-2, Sub 1219 dated April 16, 2021:						
6	Long-term debt	48.00%	4.04%	1.9392%	1.4907%	1.9392%
7	Common stock equity	52.00%	9.60%	4.9920%	4.9920%	6.4900%
8	Total	100.00%		<u>6.9312%</u>	<u>6.4827%</u>	<u>8.4292%</u>
9	Discounted annual rate to convert monthly to annual compounding				<u>6.2977%</u>	<u>8.1900%</u>
10	Discounted monthly rate to convert monthly to annual compounding				<u>0.5248%</u>	<u>0.6767%</u>
Cost of capital approved by the NCUC in Duke Energy Progress, LLC'S last rate case docket No. E-2, Sub 1300 effective October 1, 2023:						
11	Long-term debt	47.00%	4.03%	1.8941%	1.4560%	1.8941%
12	Common stock equity	53.00%	9.80%	5.1940%	5.1940%	6.7600%
13	Total	100.00%		<u>7.0881%</u>	<u>6.6500%</u>	<u>8.6541%</u>
14	Discounted annual rate to convert monthly to annual compounding				<u>6.4555%</u>	<u>8.4000%</u>
15	Discounted monthly rate to convert monthly to annual compounding				<u>0.5380%</u>	<u>0.6941%</u>

CALCULATION OF COMPOSITE INCOME TAX RATES:

	2020 forward <u>Statutory Rate</u> (Col A)	State <u>Apportionment Factor</u> (Col B)	<u>Weighted Tax Rate</u> (Col C)
16	Federal income tax rate	21.00%	<u>21.00%</u>
17	NC state income tax rate	2.500%	<u>2.2000%</u>
18	SC state income tax rate	5.000%	<u>0.5000%</u>
19	Weighted state income tax rate		<u>2.7000%</u>
20	Federal production tax deduction percentage		0.0000%
21	Total composite federal and state income tax rate		<u>23.13%</u>

NCUC REGULATORY FEE RATES:

	<u>Rate</u> (Col A)	
22	January - June 2023	<u>0.1400%</u>
23	July - December 2023	<u>0.1475%</u>

DUKE ENERGY PROGRESS
NCEMPA GENERATION ASSET PURCHASE
BILLING DETERMINANTS FOR THE TWELVE MONTH PERIOD ENDING NOVEMBER 30, 2025

Line No.	Rate Class (Col A)	Schedule (Col B)	Billing Metric (Col C)	Billing Determinants (kWh) (Col D)	Billing Determinants (kW) (Col E)
1	Residential Class	RES	kWh Energy Units	14,617,665,597	
2	Residential Class	RES (EC)	kWh Energy Units	1,744,987,612	
3	Residential Class	R-TOU	kWh Energy Units	47,409,402	
4	Residential Class	R-TOU-CPP	kWh Energy Units	4,291,828	
5	Residential Class	R-TOU (EC)	kWh Energy Units	9,495,150	
6	Residential Class	R-TOUD	kWh Energy Units	246,524,856	
7	Residential Class	R-TOUD (EC)	kWh Energy Units	77,139,355	
8	Total Residential			(a) <u>16,747,513,800</u>	
9	SGS Class	SGS	kWh Energy Units	1,691,328,617	
10	SGS Class	SGS-TOU-CLR	kWh Energy Units	49,368,553	
11	SGS Class	SGS-TOU-CPP	kWh Energy Units	111,236	
12	SGS Class	SGS-TOUE	kWh Energy Units	24,349,030	
13	Total SGS			(a) <u>1,765,157,436</u>	
14	MGS Class	APH-TES	kW Demand Units		1,528
15	MGS Class	CH-TOUE	kWh Energy Units	7,598,271	
16	MGS Class	CSE	kWh Energy Units	331,931	
17	MGS Class	CSG	kWh Energy Units	1,618	
18	MGS Class	SGS-TES	kW Demand Units		55,285
19	MGS Class	MGS-TOU	kW Demand Units	(c)	10,622,193
20	MGS Class	MGS	kW Demand Units		16,382,114
21	Total MGS			(a) <u>7,931,820</u>	<u>27,061,120</u>
22	LGS Class	LGS	kW Demand Units		6,904,134
23	LGS Class	LGS-RTP-TOU	kW Demand Units		3,239,374
24	LGS Class	LGS-TOU	kW Demand Units		6,882,503
25	Total LGS			(a) <u>17,026,011</u>	
26	SI Class	SI	kWh Energy Units	(b) 39,007,523	
27	Outdoor Lighting Class	ALS	kWh Energy Units	263,753	
28	Outdoor Lighting Class	SLS	kWh Energy Units	45,038,492	
29	Outdoor Lighting Class	SLR	kWh Energy Units	9,956,832	
30	Outdoor Lighting Class	SFLS	kWh Energy Units	316,210,342	
31	Total Outdoor Lighting			<u>371,469,419</u>	
32	TSS Class	TFS	kWh Energy Units	206,536	
33	TSS Class	TSS	kWh Energy Units	3,932,897	
34	Total TSS			(b) <u>4,139,433</u>	
35	Total All Rates			<u>18,935,219,431</u>	<u>44,087,131</u>

Notes:

KWh sales for MGS-kWh billed	7,931,820	0.08%
KWh sales for MGS-kW billed	10,190,755,588	99.92%
Total MGS Class kWh Sales for the Year	<u>10,198,687,408</u>	

- (a) Source: Current sales forecast
- (b) Source: Monthly Query of Billing Determinants for the twelve month period ended March 31, 2024 from SAP system.
- (c) Rate schedule name changed from SGS-TOU to MGS-TOU during 2023. Balance disclosed is combined amount.

Exhibit L
DOCKET NO. E-2, SUB 1345

DUKE ENERGY PROGRESS, LLC
FUEL SAVINGS BY CUSTOMER CLASS RELATED TO FACILITIES ACQUIRED FROM NCEMPA
TEST PERIOD: JANUARY - DECEMBER 2023
(In Dollars)

Line No.		Without Acquisition (Col. A)	Change (Col. B)	With Acquisition (Col. C)
	Fuel Costs - Dollars:			
1	Coal	\$ 238,001,411	\$ 13,035,702	\$ 251,037,113
2	Reagents/By-products	\$ 26,694,972	\$ 769,109	\$ 27,464,081
3	Gas	\$ 975,423,304	\$ -	\$ 975,423,304
4	Biogas	\$ 645,895	\$ -	\$ 645,895
5	Nuclear	\$ 166,822,157	\$ 26,618,652	\$ 193,440,809
6	Hydro	\$ -	\$ -	\$ -
7	Purchased Power	\$ 400,209,432	\$ -	\$ 400,209,432
8	Recovered through off-system sales	\$ (170,708,815)	\$ -	\$ (170,708,815)
9	Total Cost	\$ 1,637,088,357	\$ 40,423,462	\$ 1,677,511,819
10	Sales - kWh	54,774,440,457	4,469,448,543	59,243,889,000
11	Average System Fuel Costs - cents/kwh	Line 9 / Line 10 2.989		2.832
12	Reduction Average System Fuel Costs - cents/kWh	Line 11 Col. C - Line 11 Co. A (0.157)		
13	Total NC Retail Sales January to December - MWh	36,584,227		
14	NC Retail Share of Savings - Dollars	Line 12 * Line 13 \$ (57,527,200)		
	Allocation Among Customer Classes:			
15	Residential	46.58% \$ (26,797,505)		
16	Small General Service	5.51% \$ (3,170,937)		
17	Medium General Service	26.79% \$ (15,409,900)		
18	Large General Service	19.76% \$ (11,369,501)		
19	Lighting	1.35% \$ (779,357)		
20	Total NC Retail	100.00% \$ (57,527,200)		