

**BEFORE  
THE NORTH CAROLINA UTILITIES COMMISSION**

**DOCKET NO. E-2, SUB 1300**

In the Matter of:	)	
	)	<b>DIRECT TESTIMONY OF</b>
Application of Duke Energy Progress, LLC	)	<b>NICHOLAS G. SPEROS</b>
For Adjustment of Rates and Charges Applicable	)	<b>FOR DUKE ENERGY</b>
to Electric Service in North Carolina and	)	<b>PROGRESS, LLC</b>
Performance-Based Regulation	)	

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1                                   **I. INTRODUCTION AND PURPOSE**

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

3   A. My name is Nicholas G. Speros, and my business address is 4720 Piedmont  
4       Row Drive, Charlotte, North Carolina 28210.

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

6   A. I am employed by Duke Energy Business Services, LLC as Director of  
7       Accounting, providing accounting leadership for both Duke Energy Progress,  
8       LLC (“DEP” or the “Company”) and Duke Energy Carolinas, LLC (“DEC”).  
9       DEP and DEC are subsidiaries of Duke Energy Corporation (“Duke Energy”).

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

12   A. I graduated from the University of Cincinnati with a bachelor’s degree in  
13       Business Administration.

14   **Q. PLEASE SUMMARIZE YOUR WORK EXPERIENCE.**

15   A. I have 15 years of professional experience with Duke Energy in various  
16       accounting and finance roles. I was named to my current position as Director  
17       of Accounting in January 2022.

18   **Q. PLEASE BRIEFLY DESCRIBE YOUR DUTIES AS DIRECTOR OF**  
19       **ACCOUNTING.**

20   A. I am responsible for ensuring that the accounting impacts of the Company’s  
21       business activities and transactions are understood and properly recorded to the  
22       general ledger and that such accounting impacts, as well as any applicable  
23       related variances to budget and prior year results, are clearly explained and

1 properly presented in internal and/or external financial reports. I am also  
2 responsible for ensuring that the accounting team performs its tasks in an  
3 accurate and timely manner in accordance with published deadlines while  
4 strictly adhering to Company policies and controls.

5 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THIS**  
6 **COMMISSION?**

7 A. Yes. I testified in DEC's most recent North Carolina rate case in Docket No.  
8 E-7, Sub 1214.

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

10 A. My testimony will cover the financial position of DEP at December 31, 2021,  
11 and the actual results of the Company's operations for the twelve months ending  
12 December 31, 2021 (the "Test Period"). The Company's financial position and  
13 operating results and the actual data required under Rule R1-17(b) of the North  
14 Carolina Utilities Commission's (the "Commission") Rules and Regulations are  
15 set forth in Speros Exhibit 1. I discuss the amount of investor funds for  
16 operations included in rate base, calculated based on the Company's lead-lag  
17 study. A summary of the calculation of investor funds for operations is  
18 presented in Speros Exhibit 2. I provide the amount of the Company's nuclear  
19 decommissioning costs allocated to the Company's North Carolina retail  
20 electric operations and explain that the Company is not including any  
21 decommissioning expense in its rate request based on the results of the 2019  
22 TLG Services, Inc. ("TLG Services") Nuclear Decommissioning Cost Analyses  
23 and the Company's projected nuclear decommissioning trust fund balances

1 included in the updated report included as Speros Exhibit 3. I discuss the  
2 amount of DEP's depreciation expense based on the Company's 2021  
3 depreciation study (the "Depreciation Study"), filed in this docket as Spanos  
4 Exhibit 1. I provide the certification, on behalf of DEP, that the Company's  
5 Application does not include costs for lobbying, political or promotional  
6 advertising, political contributions, or charitable contributions, in accordance  
7 with recent revisions to Commission Rules R12-12 and R12-13. Additionally,  
8 I support the calculation of DEP's bad debt expense, which is part of the  
9 Company's recovery of certain costs related to the COVID-19 pandemic that  
10 were deferred pursuant to the Commission's *Order Approving Deferral Request*  
11 issued in Docket No. E-2, Sub 1258 ("COVID Deferral Order"). Finally, I  
12 discuss the proposed accounting entries for decoupling true-up entries per the  
13 Commission's filing requirements specific to the Decoupling Ratemaking  
14 Mechanism.

15 **Q. WERE SPEROS EXHIBITS 1 - 3 PREPARED OR PROVIDED HEREIN**  
16 **BY YOU, UNDER YOUR DIRECTION AND SUPERVISION?**

17 A. Yes. They were.

18 **Q. ARE YOU FAMILIAR WITH THE ACCOUNTING PROCEDURES**  
19 **AND BOOKS OF ACCOUNT OF DEP?**

20 A. Yes. The books of account of DEP follow the Uniform System of Accounts  
21 prescribed by the Federal Energy Regulatory Commission ("FERC"). This  
22 Uniform System of Accounts has been adopted by the Commission and is  
23 followed by the investor-owned utilities subject to its jurisdiction.

1    **Q.     WHAT STEPS DOES THE COMPANY TAKE TO ENSURE THAT ITS**  
2           **BOOKS AND RECORDS ARE ACCURATE AND COMPLETE?**

3    A.     DEP maintains and relies upon an extensive system of internal accounting  
4           controls and audits by both internal and external auditors. The system of  
5           internal accounting controls provides reasonable assurance that all transactions  
6           are executed in accordance with management's authorization and are recorded  
7           properly.

8                   The system of internal accounting controls is reviewed annually, tested,  
9           and documented by the Company to provide reasonable assurance that amounts  
10          recorded on the books and records of the Company are accurate and proper. In  
11          addition, independent certified public accountants perform an annual audit to  
12          provide assurance that internal accounting controls are operating effectively and  
13          that the Company's financial statements are materially accurate.

14                   **II.     FINANCIAL POSITION AND RESULTS**

15   **Q.     PLEASE DESCRIBE WHAT IS PRESENTED ON SPEROS EXHIBIT 1.**

16   A.     Speros Exhibit 1 sets forth the Company's financial statements. Pages 1 and 2  
17          contain the Company's Balance Sheet as of December 31, 2021. Page 3 is the  
18          Company's Income Statement for the twelve months ending December 31,  
19          2021. Page 4 is the Company's Statement of Capitalization at December 31,  
20          2021. Certain information shown on Speros Exhibit 1 is also included in  
21          Exhibit C to the Company's Application.

1   **Q.     ARE THE CAPITAL EXPENDITURES AND OPERATING EXPENSES**  
2       **REPRESENTED ON SPEROS EXHIBIT 1 ACCURATE?**

3   **A.**    Yes. An integral part of the Company's system of internal accounting controls  
4       includes various budgeting, planning, and review procedures to establish and  
5       monitor the capital and operating budgets, as well as actual expenditures.

6                           **III.    INVESTOR ADVANCED FUNDS**

7   **Q.     PLEASE EXPLAIN SPEROS EXHIBIT 2.**

8   **A.**    Speros Exhibit 2 shows the calculation of the Company's North Carolina retail  
9       amount for investor funds invested in operations. This Exhibit applies the  
10      revenue lags and expense leads to the applicable components of the Test Year  
11      cost of service per books as allocated to the Company's North Carolina retail  
12      operations. The resulting working capital requirement for investor funds for  
13      North Carolina retail operations in the amount of \$153.3 million shown on  
14      Speros Exhibit 2 is included as a component of working capital as shown in  
15      Column 2, Line 1 on Jiggetts Exhibit 2, Page 4.4. This amount is derived from  
16      the detailed lead-lag study performed by Ernst and Young and approved in the  
17      Commission's *Order Accepting Stipulations, Granting Partial Rate Increase,*  
18      *and Requiring Customer Notice* issued on April 16, 2021 in Docket No. E-2,  
19      Sub 1219. This detailed lead-lag study was submitted in Item 14 of the E-1 that  
20      is a part of this filing. The results of the lead-lag study were applied to the  
21      updated Test Year cost of service to produce the per books cash working capital  
22      requirement requested in this case.

1     **Q.     WHAT IS THE PURPOSE OF A LEAD-LAG STUDY?**

2     A.     The purpose of a lead-lag study is to provide a measure of the amount of  
3           investor funds used to sustain utility operations from the time expenditures are  
4           made until the time payment is received. Generally, a utility provides service  
5           prior to receipt of payment from customers, and there is also a delay in payment  
6           for goods and services acquired by the utility. A lead-lag study is used to  
7           analyze transactions throughout the year to determine the number of days  
8           between the time services are rendered and payment is received (revenue lag),  
9           and the number of days between the time expenditures are incurred and  
10          payment is made for such services (expense or payment lead). In some  
11          instances, revenue may be received prior to payment for the related expense  
12          (*i.e.*, a net lead or alternatively a negative net lag). The revenue lag is compared  
13          to the expense lead and the net lag is applied to each category of cost of service  
14          to determine DEP's cash working capital requirements.

15                                 **IV.     NUCLEAR DECOMMISSIONING**

16    **Q.     WHAT AMOUNT OF NUCLEAR DECOMMISSIONING EXPENSE IS**  
17       **INCLUDED IN DEP'S PER BOOK AMOUNT FOR DEPRECIATION**  
18       **EXPENSE?**

19    A.     The current annual amount of nuclear decommissioning expense being  
20           collected from North Carolina retail customers is \$9.2 million based on the  
21           Commission's ruling in DEP's last rate case in Docket No. E-2, Sub 1219. Of  
22           this amount, \$7.8 million is collected in base rates and \$1.4 million is recovered  
23           through the Joint Agency Asset Rider.

On March 12, 2020, DEP filed its Nuclear Decommissioning Cost Analyses prepared by TLG Services in Docket No. E-100, Sub 56 providing updated decommissioning cost estimates for the Company's nuclear units located at the Brunswick, Shearon Harris, and H.B. Robinson Nuclear Stations as approved by the Company in December 2019. On July 17, 2020, DEP filed its Decommissioning Cost and Funding ("DC&F") Report in Docket No. E-100, Sub 56, which also provided fund balances for the Company's nuclear units as of December 2019. As discussed in the testimony of Witness Tom Ray, DEP plans to seek Subsequent License Renewals for all of DEP's nuclear units. Accordingly, DEP updated its DC&F Report, primarily to extend the plant licenses by 20 years, adjust for inflation, and provide fund balances for the Company's nuclear units as of December 2021. The updated DC&F Report is included as Speros Exhibit 3. Based on the results of the 2019 TLG Services Nuclear Decommissioning Cost Analyses and the updated DC&F Report, DEP determined not to seek funding from North Carolina customers at this time, and, accordingly, the annual amount of nuclear decommissioning expense the Company has included in this case is \$0.

## **V. DEPRECIATION RATES**

**Q. PLEASE EXPLAIN THE DEPRECIATION RATES SHOWN ON JIGGETTS EXHIBIT 2, PAGE 4.2.**

A. The depreciation rates shown on Page 4.2 of Jiggetts Exhibit 2 are the depreciation rates from the Depreciation Study as of December 31, 2021 that is being filed in this docket. The Depreciation Study was prepared by Gannett



1 Fleming Valuation and Rate Consultants, LLC and is discussed in more detail  
2 by Witness John Spanos. Spanos Exhibit 1 is the complete Depreciation Study.  
3 The Company believes that these depreciation rates are reasonable for use in  
4 this proceeding.

5 **VI. COMMISSION RULE R12-13 CERTIFICATION**

6 **Q. WHAT IS THE COMMISSION RULE R12-13 CERTIFICATION**  
7 **REQUIREMENT?**

8 A. Commission Rule R12-13 requires a utility filing a rate case application to  
9 certify to the Commission that the utility's application does not include certain  
10 prohibited costs. Specifically, Rule R12-13(a) requires that in every application  
11 for a change in rates, a utility certify in its pre-filed testimony that its application  
12 does not include costs for lobbying, political or promotional advertising,  
13 political contributions, or charitable contributions.

14 **Q. WHAT IS THE ORIGIN OF THE COMMISSION RULE R12-13**  
15 **CERTIFICATION REQUIREMENT?**

16 A. On August 10, 2021, the Commission issued its *Order Adopting Amendments*  
17 *to Commission Rules R12-12 and R12-13* in Docket No. M-100, Sub 150  
18 ("Order"). The Order amended Commission Rules R12-12 and R12-13 to  
19 clarify the rules preventing public utilities from recovering from customers  
20 expenditures for lobbying, political or promotional advertising, political  
21 contributions, or charitable contributions. The revisions to Rule R12-13  
22 included, among other things, a requirement that a public utility certify to the  
23 Commission in its pre-filed testimony that the utility's application for a change

1 in rates does not include any expenditures for lobbying, political or promotional  
2 advertising, political contributions, or charitable contributions.

3 **Q. HAS THE COMPANY COMPLIED WITH THE CERTIFICATION**  
4 **REQUIREMENT AS SET FORTH IN COMMISSION RULE R12-13?**

5 A. Yes. On behalf of the Company, I hereby certify that the Company's cost of  
6 service in its Application does not include any expenditures for lobbying,  
7 political or promotional advertising, political contributions, or charitable  
8 contributions.

9 **Q. HOW HAS THE COMPANY ENSURED THAT PROHIBITED COSTS**  
10 **UNDER COMMISSION RULE R12-13 ARE NOT INCLUDED IN ITS**  
11 **APPLICATION?**

12 A. Expenditures for lobbying, political or promotional advertising, political  
13 contributions, and charitable contributions are recorded below-the-line, are not  
14 in the Company's cost of service, and are not sought to be recovered from  
15 customers, but rather are paid by shareholder dollars. Before filing its  
16 Application, the Company performed additional reviews of its cost of service  
17 to ensure that prohibited costs under Commission Rule R12-13 are not included  
18 in its Application. Specifically, prior to filing this rate case, the Company took  
19 preventive measures to review underlying cost data in particular accounts where  
20 errors could likely occur. The Company used a combination of data analytics  
21 to electronically scan source data and manual reviews of detail transactions to  
22 identify expenses that it deemed were not appropriate for cost recovery.

1   **Q.     DID THE COMPANY TAKE ANY ADDITIONAL PRECAUTIONS TO**  
2       **ENSURE THAT PROHIBITED COSTS UNDER COMMISSION RULE**  
3       **R12-13 WERE NOT INCLUDED FOR RECOVERY FROM ITS**  
4       **ELECTRIC RETAIL CUSTOMERS?**

5   A.    Yes. As explained in the testimony of Witness LaWanda Jiggetts, as an  
6       additional precaution, the Company elected to remove an additional \$0.4  
7       million of system electric operating expenses from allocation to North Carolina  
8       retail customers in case any prohibited costs under Commission Rule R12-13  
9       or other potential mischarges were discovered during the course of this  
10      proceeding. Any such mischarges that are discovered would be deducted  
11      against this amount, and, if any amount of \$0.4 million remains after any further  
12      mischarges are netted against it, the remaining balance will continue to be  
13      excluded from recovery for the benefit of customers.

14   **Q.     IS THE COMPANY SEEKING TO RECOVER COSTS BASED ON ANY**  
15       **OF THE EXCEPTIONS TO RULES R12-12 OR R12-13?**

16   A.    Yes. Rule R12-13(a) states that “if the utility seeks to recover costs based on  
17       an exception under Rule R12-12(g), or under subsections (d) or (e) of this Rule,  
18       the utility shall include prefiled testimony stating the amount claimed and the  
19       basis for the exception.”

20           Rule R12-12(g) provides that “political advertising” and “promotional  
21       advertising” as defined in the Rule do not include certain categories of  
22       advertising, which generally pertain to information that is required to be  
23       provided by law and other necessary or helpful information that the Company

1 must convey to customers.<sup>1</sup> Consistent with past practice, the Company is  
2 seeking to recover costs that fall within these categories. As shown in the  
3 Company's response to E-1, Item 16 filed with the Application in this case, DEP  
4 has recorded certain advertising costs that do not qualify as "political  
5 advertising" or "promotional advertising" above-the-line as general advertising  
6 expenses. The total system amount in this general advertising account is \$0.3  
7 million, and includes items like bill inserts, customer notices, safety notices, job  
8 postings, and other items that fall within the categories listed in Rule R12-12(g).

9 Rule R12-13(e) provides that expenditures made by a utility for:

10 lobbying activities directed at executive branch agencies or  
11 designated individuals at executive branch agencies may be  
12 considered by the Commission to represent reasonable operating  
13 expenses, in whole or in part in the Commission's discretion, to  
14 the extent, but only to the extent, that it can be established, on a  
15 case-by-case basis, that — (1) the lobbying activity is conducted  
16 primarily for the benefit of the using and consuming public, or  
17 (2) the lobbying activity is conducted primarily for the purpose  
18 of enhancing the ability of the public utility to provide efficient  
19 and reliable service to its customers.

20 The Company does not believe it has included in its cost of service any expenses  
21 that fall within this exception. Although the Company does seek to recover  
22 non-lobbying expenses associated with registered lobbyists in accordance with  
23 its past practice, as further explained below, these costs are not related to

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<sup>1</sup> Rule R12-12(g): "The terms 'political advertising' and 'promotional advertising' as defined hereinabove do not include — (1) advertising which informs electric, or natural gas consumers how they can conserve energy or can reduce peak demand for energy, or water or sewer consumers how they can conserve water, (2) advertising required by law or regulation, including advertising required under part 1 of title II of the National Energy Conservation Policy Act, (3) advertising regarding service interruptions, safety measures (including utility location services), or emergency conditions, (4) advertising concerning employment opportunities with such public utility, (5) advertising which promotes the use of energy efficient appliances, equipment or services, or appliances, equipment, or services that conserve water, or (6) any explanation or justification of existing or proposed rate schedules or billing practices or notifications of hearings thereon."

1 lobbying activities directed at executive branch agencies or designated  
2 individuals at executive branch agencies, and therefore do not require the  
3 Company to claim an exception to Rule R12-12(e) in order to recover.

4 Lobbying expenses recorded in FERC Account 426.4 include  
5 expenditures for the purpose of influencing public opinion with respect to the  
6 election or appointment of public officials, referenda, legislation, or ordinances  
7 (either with respect to possible adoption of new referenda, legislation or  
8 ordinances or repeal or modification of existing referenda, legislation or  
9 ordinances) or approval, modification or revocation of franchises; or the  
10 purpose of influencing the decisions of public officials. Expenditures that relate  
11 to employees who are registered lobbyists and fall within this definition are  
12 recorded to FERC Account 426.4. Lobbying expenses recorded in FERC  
13 Account 426.4 are below-the-line, and thus not included in rates, as shown in  
14 E-1, Item 18(a).

15 The remaining labor charges associated with these personnel – i.e., those  
16 that do not fall within the definition of lobbying – are recorded to FERC  
17 Account 920, which is “above-the-line,” as shown in E-1, Item 18(a). Examples  
18 of items in this category include coordinating and meeting with internal  
19 departments; conducting training; communicating Company positions to  
20 employees; assisting legislative officials with solving any constituent  
21 inquiries/issues; and general office management support, such as coordinating  
22 meetings, travel arrangements, and training events, managing executive  
23 calendars, and tracking invoices, time and expense coding. Again, the

1 Company believes these are non-lobbying costs, and thus, that it does not need  
2 to claim an exception under Rules R12-13(a) or R12-12(e) for these expenses.

3 **VII. BAD DEBT CALCULATION**

4 **Q. WHAT IS “BAD DEBT” EXPENSE?**

5 A. The Uniform System of Accounts prescribed by FERC defines uncollectible  
6 accounts (FERC Account 904) as amounts for losses from uncollectible utility  
7 revenues – i.e., bad debt expenses. The Financial Accounting Standards Board  
8 defines this concept as current expected credit losses and requires an entity to  
9 recognize an estimate for current expected credit losses for financial  
10 instruments as of the end of a reporting period. In other words, accounting rules  
11 require DEP to record an expense on its income statement that estimates  
12 amounts that will ultimately be charged off. It is important to note that the  
13 estimated amounts and actual charge-offs are recorded on the Company’s  
14 accounting books and records for bad debt expense. These recorded expenses  
15 are routinely included in test year expenses used in setting rates in general rate  
16 cases.

17 **Q. WHAT BAD DEBT EXPENSE IS THE COMPANY SEEKING TO**  
18 **RECOVER IN ACCORDANCE WITH THE COVID DEFERRAL**  
19 **ORDER?**

20 A. On March 10, 2020, Governor Roy Cooper issued Executive Order No. 116,  
21 declaring a State of Emergency in North Carolina to coordinate the response  
22 and protective actions to prevent the spread of COVID-19. The Company took  
23 swift action in response to the pandemic to help mitigate the impact of economic

1 hardship to customers, including filing a request with the Commission on  
2 March 19, 2020 to waive certain fees and disconnections for non-payment. The  
3 Commission approved the Company's request in its March 20, 2020 *Order*  
4 *Granting Additional Temporary Waivers of Specific Provisions of Commission*  
5 *Rules* in Docket Nos. E-7, Sub 1236, E-2, Sub 1228 and G-9, Sub 767. On  
6 March 19, 2020, the Commission issued its *Order Suspending Utility*  
7 *Disconnections for Non-Payment, Allowing Reconnection, and Waiving Certain*  
8 *Fees* in Docket No. M-100, Sub 158. Subsequently, on March 31, 2020,  
9 Governor Cooper issued Executive Order 124 that banned late payment fees  
10 and utility disconnections due to non-payment. DEP has complied with all of  
11 these orders.

12 As a result of the moratorium on disconnects and late payment fees,  
13 DEP has seen the number and amounts of past due accounts outstanding  
14 increase, leading to increased bad debt expense. In accordance with the COVID  
15 Deferral Order, the Company has deferred the difference between its actual  
16 recorded bad debt expense and the amount of bad debt expense included in rates  
17 resulting from the economic realities of the pandemic.

18 **Q. HOW DID THE COMPANY CALCULATE COVID-19 RELATED BAD**  
19 **DEBT EXPENSE?**

20 A. Bad debt expense related to COVID-19 is calculated as the total amount of  
21 incremental bad debt expense exceeding the amount already being recovered in  
22 base rates from the period starting in March 2020 through the April 30, 2023  
23 capital cut-off in this case. The North Carolina amount being recovered in base

1 rates is \$8.5 million, and the total North Carolina incremental bad debt expense  
2 exceeding the amount already being recovered in base rates from the period  
3 starting March 2020 through April 30, 2023 is projected to be \$25.7 million,  
4 which is included in the amounts deferred pursuant to the COVID Deferral  
5 Order that the Company is seeking to recover in this case. The Company is also  
6 proposing to continue to defer incremental bad debt expense related to COVID-  
7 19 beginning May 1, 2023.

8 **Q. WHY IS THE COMPANY PROPOSING TO CONTINUE THE**  
9 **DEFERRAL OF BAD DEBT EXPENSE RELATED TO COVID-19?**

10 A. The Company continues to incur impacts to business operations resulting from  
11 the pandemic. For example, the Company has relaxed the usual timelines for  
12 payment plans, including offering extensions on already past-due balances.  
13 While this is helpful to customers, this creates a long delay in the unfortunate  
14 circumstance where a customer may be disconnected and ultimately charged  
15 off to expense. Charge-offs related to COVID-19 delinquencies are still  
16 occurring and will continue going forward.

17 **VIII. DECOUPLING ACCOUNTING ENTRIES**

18 **Q. DO YOU SUPPORT ANY OF THE FILING REQUIREMENTS**  
19 **SPECIFIC TO THE COMPANY'S PERFORMANCE-BASED**  
20 **REGULATION APPLICATION?**

21 A. Yes. The Commission's filing requirements specific to the Decoupling  
22 Ratemaking Mechanism require the Company to provide "[t]he proposed  
23 method for calculating and deferring differences realized between the estimated



1 and actual revenue per customer, including the proposed accounting entries for  
2 decoupling true-up entries.” See Commission Rule R1-17B(d)(1)e. Witness  
3 Kathryn Taylor provides the proposed method for calculating and deferring  
4 differences between the estimated and actual revenue per customer, and I supply  
5 the proposed accounting entries for decoupling true-up entries.

6 The monthly journal entries relating to decoupling would appear as  
7 follows, and any true-up would follow the same normal monthly entry  
8 depending on the direction.

9 Margin Decoupling Entry:

10 Over-collection/Regulatory Liability:

11 Debit 440 – Residential Revenues

12 Credit 254 – Regulatory Liability Margin Decoupling

13 Interest on Over-collections/Regulatory Liability:

14 Debit 431 – Interest Expense Margin Decoupling

15 Credit 254 – Regulatory Liability Margin Decoupling

16 Under-collection/Regulatory Asset:

17 Debit 182 – Regulatory Asset Margin Decoupling

18 Credit 440 – Residential Revenues

19 Return on Under-collections/Regulatory Asset:

20 Debit 182 – Regulatory Asset Margin Decoupling

21 Credit 431 – Debt Return Margin Decoupling

1 Credit 421 – Equity Return<sup>2</sup> Margin Decoupling

2 IX. CONCLUSION

3 Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?

4 A. Yes.

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<sup>2</sup> For GAAP purposes the equity return is reserved during the deferral period and then amortized during the collection period. These entries have no impact on above-the-line regulatory accounting or reporting. The GAAP only reserve entry debits 421 – Equity Return Margin Decoupling and credits 182 – Contra Regulatory Asset Margin Decoupling. The inverse of this entry occurs when amortized during the collection period.

**Duke Energy Progress, LLC**  
**Balance Sheet**  
**As of December 31, 2021**

**Speros Exhibit 1**  
**Docket No. E-2, Sub 1300**  
**Page 1 of 4**

Line No.		Amount
	<b>ASSETS</b>	
	<b>UTILITY PLANT</b>	
1	Utility Plant (101-106,114)	\$ 35,138,892,846
2	Construction Work in Progress (107)	953,544,199
3	Total Utility Plant	36,092,437,045
4	(Less) Accum. Prov. for Depr. Amort. Depl. (108, 110, 111, 115)	13,687,668,732
5	Net Utility Plant	22,404,768,313
6	Nuclear Fuel in Process of Ref., Conv., Enrich., and Fab (120.1)	244,296,343
7	Nuclear Materials and Assemblies - Stock Account (120.2)	0
8	Nuclear Fuel Assemblies in Reactor (120.3)	771,535,723
9	Spent Nuclear Fuel (120.4)	308,815,291
10	(Less) Accum. Provision for Amort. of Nuclear Fuel Assemblies (120.5)	734,609,120
11	Net Nuclear Fuel	590,038,237
12	Total Utility Plant, Net	22,994,806,550
13	Utility Plant Adjustments (116)	0
	<b>OTHER PROPERTY &amp; INVESTMENTS</b>	
14	Non Utility Property (121)	37,406,250
15	(Less) Accum. Prov. for Depr. and Amort. (122)	12,119,265
16	Investment in Subsidiary Companies (123.1)	27,527,293
17	Other Investments (124)	41,218,649
18	Other Special Funds (128)	4,498,004,718
19	Long Term Portion of Derivative Assets - Hedges (176)	42,462,959
20	Total Other Property and Investments	4,634,500,604
	<b>CURRENT AND ACCRUED ASSETS</b>	
21	Cash (131)	9,306,152
22	Notes Receivable (141)	17,749,366
23	Customer Accounts Receivable (142)	448,759,694
24	Other Accounts Receivable (143)	86,586,297
25	(Less) Accum. Prov. for Uncollectible Account - Credit (144)	20,737,747
26	Accounts Receivable from Associated Companies (146)	3,848,135
27	Fuel Stock (151)	70,436,791
28	Plant Material and Operating Supplies (154)	191,598,523
29	Other Materials and Supplies (156)	694,055,384
30	Allowances (158.1 and 158.2)	104,779
31	Store Expenses Undistributed (163)	132,839,383
32	Prepayments (165)	35,573,867
33	Rents Receivable (172)	76,387,990
34	Accrued Utility Revenue (173)	91,053
35	Miscellaneous Current and Accrued Assets (174)	205,207,950
36	Derivative Instrument Assets Hedges (175, 176)	107,710,822
37	(Less) Long Term Portion of Derivative Instruments Assets - Hedges	42,462,959
38	Total Current and Accrued Assets	2,017,055,480
	<b>DEFERRED DEBITS</b>	
39	Unamortized Debt Expenses (181)	48,980,674
40	Unrecovered Plant and Regulatory Study Costs (182.2)	198,594,428
41	Other Regulatory Assets (182.3)	3,810,076,586
42	Preliminary Survey and Investigation Charges (183)	7,432,731
43	Clearing Accounts (184)	4,936,713
44	Miscellaneous Deferred Debits (186)	112,957,487
45	Unamortized Loss on Reacquired Debt (189)	1,513,112
46	Accumulated Deferred Income Taxes (190)	2,316,068,121
47	Total Deferred Debits	6,500,559,852
48	<b>Total Assets</b>	<b>\$ 36,146,922,486</b>

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**Duke Energy Progress, LLC**  
**Balance Sheet**  
**As of December 31, 2018**

**Speros Exhibit 1**  
**Docket No. E-2, Sub 1300**  
**Page 2 of 4**

<u>Line No.</u>		<u>Amount</u>
	<b>CAPITALIZATION AND LIABILITIES</b>	
	<b>PROPRIETARY CAPITAL</b>	
1	Other Paid In Capital (208-211)	\$ 2,784,376,969
2	Retained Earnings (215, 215.1, 216)	7,046,628,380
3	Unappropriated Undistributed Subsidiary Earnings (216.1)	(277,396,307)
4	Accumulated Other Comprehensive Income (219)	(105,720)
5	Total Proprietary Capital	<u>9,553,503,322</u>
	<b>LONG-TERM DEBT</b>	
6	Bonds (221)	8,423,485,000
7	Advances from Associated Companies (223)	150,000,000
8	Other Long Term Debt (224)	350,000,000
9	(Less) Unamortized Discount on LT Debt (226)	19,313,576
10	Total Long Term Debt	<u>8,904,171,424</u>
	<b>OTHER NONCURRENT LIABILITIES</b>	
11	Obligations Under Capital Leases (227)	937,141,301
12	Accumulated Provision for Property Insurance (228.1)	0
13	Accumulated Provision for Injuries and Damages (228.2)	16,823,544
14	Accumulated Provision for Pensions and Benefits (228.3)	202,107,000
15	Accumulated Miscellaneous Operating Provisions (228.4)	19,827,271
16	Accumulated Provision for Rate Refund (229)	4,048,887
17	LT Portion of Derivative Instrument Liabilities	0
18	LT Portion of Derivative Instrument Liabilities - Hedges	293,304
19	Asset Retirement Obligations (230)	5,675,253,167
20	Total Other Noncurrent Liabilities	<u>6,855,494,474</u>
	<b>CURRENT AND ACCRUED LIABILITIES</b>	
21	Accounts Payable (232)	517,363,830
22	Notes Payable to Associated Companies (233)	172,129,000
23	Accounts Payable to Associated Companies (234)	304,464,806
24	Customer Deposits (235)	125,978,102
25	Consolidated Taxes Accrued (236)	157,980,377
26	Interest Accrued (237)	94,046,782
27	Tax Collections Payable (241)	8,975,183
28	Miscellaneous Current and Accrued Liabilities (242)	342,511,334
29	Obligations Under Capital Leases - Current (243)	91,472,950
30	Derivative Instrument Liabilities (244)	0
31	(Less) LT Portion of Derivative Instrument Liabilities	0
32	Derivative Instrument Liabilities - Hedges (245)	426,021
33	(Less) LT Portion of Derivative Instrument Liabilities - Hedges	293,304
34	Total Current and Accrued Liabilities	<u>1,815,055,081</u>
	<b>DEFERRED CREDITS</b>	
35	Customer Advances for Construction (252)	(109,881)
35	Accumulated Deferred Investment Tax Credits (255)	128,468,464
36	Other Deferred Credits (253)	142,342,657
37	Other Regulatory Liabilities (254)	4,224,068,577
38	Accumulated Deferred Income Taxes Oth Property (282)	2,914,987,776
39	Accum Deferred Income Tax Other (283)	1,608,940,592
40	Total Deferred Credits	<u>9,018,698,185</u>
41	<b>Total Capitalization and Liabilities</b>	<u><u>\$ 36,146,922,486</u></u>

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**Duke Energy Progress, LLC**  
**Income Statement**  
**For The Test Period (12 Months) Ended December 31, 2021**

**Speros Exhibit 1**  
**Docket No. E-2, Sub 1300**  
**Page 3 of 4**

Line No.	Amount
1 <b>Operating Revenues (400)</b>	\$ 5,672,153,107
<b>Operating Expenses</b>	
2 Operation Expenses (401)	2,690,354,517
3 Maintenance Expenses (402)	412,456,619
4 Depreciation Expenses (403)	870,677,593
5 Depreciation Expense for Asset Retirement Costs (403.1)	718,087
6 Amortization and Depletion of Utility Plant (404-405)	50,721,723
7 Amortization of Utility Plant Acq. Adj. (406)	12,758,733
8 Amortization of Prop Loss, Unrecov Plant and Reg Study Cost (407)	46,410,799
9 Regulatory Debits (407.3)	316,184,614
10 (Less) Regulatory Credits (407.4)	191,390,994
11 (Less) Gains from Disposition of Utility Plant (411.6)	39,661
12 Accretion Expense (411.10)	272,491
13 Total Depreciation and Amortization Expenses	1,106,313,385
14 Taxes Other Than Income Taxes (408.1)	159,530,452
15 Total Operating Expense Before Income Taxes	4,368,654,973
16 Income Taxes - Federal (409.1)	115,199,846
17 Income Taxes - Other (409.1)	8,029,877
18 Provision for Deferred Income Taxes (410.1)	1,464,275,214
19 (Less) Provision for Deferred Income Tax Credit (411.1)	1,511,434,244
20 Investment Tax Credit Adjustment Net (411.4)	(3,756,368)
21 Total Income Taxes On Operating Income	72,314,325
22 <b>Total Utility Operating Expenses</b>	<b>4,440,969,298</b>
23 <b>Net Utility Operating Income</b>	<b>1,231,183,809</b>
<b>Other Income</b>	
24 Revenues from Merchandising, Jobbing and Contract Work (415)	(87)
25 (Less) Costs and Exp. of Merchandising, Job & Contract Work (416)	16,868
26 Revenues from Nonutility Operations (417)	98,422,597
27 (Less) Expenses of Nonutility Operations (417.1)	73,677,177
28 Non Operating Rental Income (418)	(732,400)
29 Equity in Earnings of Subsidiary Companies (418.1)	(47,319)
30 Interest and Dividend Income (419)	6,158,095
31 Allowance for Other Funds Under Construction (419.1)	34,367,578
32 Miscellaneous Nonoperating Income (421)	63,053,579
33 Gain On Disposal Of Property (421.1)	12,658,789
34 Total Other Income	140,186,787
<b>Other Income Deductions</b>	
35 Loss on Disposition of Property (421.2)	(366,443)
36 Miscellaneous Amortization (425)	-
37 Donations (426.1)	4,116,883
38 Life Insurance (426.2)	(2,712,959)
39 Penalties (426.3)	500,500
40 Exp. For Certain Civic, Political and Related Activity (426.4)	5,591,677
41 Other Deductions (426.5)	64,183,876
42 Total Other Income Deductions	71,313,534
<b>Taxes Applicable to Other Income and Deductions</b>	
43 Taxes Other than Income Taxes (408.2)	(892,412)
44 Income Taxes - Federal (409.2)	(1,378,811)
45 Income Taxes - Other (409.2)	(66,209)
46 Provision for Deferred Income Taxes (410.2)	10,521,888
47 (Less) Provision for Deferred Income Taxes - Cr (411.2)	6,078,919
48 Total Taxes on Other Income and Deductions	2,105,537
49 <b>Net Other Income and Deductions</b>	<b>66,767,716</b>
<b>Interest Charges</b>	
50 Total Interest on Long - Term Debt (427)	323,732,997
51 Amortization of Debt Discount and Exp (428)	7,391,876
52 Amortization of Loss on Reacquired Debt (428.1)	1,007,302
53 Interest on Debt to Associated Companies (430)	547,091
54 Other Interest Expense (431)	(14,760,676)
55 (Less) Allowance for Borrowed Funds Used During Construction - Cr (432)	13,841,613
56 Net Interest Charges	304,076,977
57 <b>Income Before Extraordinary Items</b>	<b>993,874,548</b>
<b>Extraordinary Items</b>	
58 Extraordinary Deductions (435)	-
59 Net Extraordinary Items	-
60 Income Taxes Federal and Other (409.3)	-
61 Extraordinary Items After Taxes	-
62	
63 <b>Net Income</b>	<b>\$ 993,874,548</b>

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Duke Energy Progress, LLC  
Statement of Capitalization  
As of December 31, 2021

Speros Exhibit 1  
Docket No. E-2 , Sub 1300  
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Long-Term Debt						
Line No.	Description	Rate	Interest Type	Maturity Date	Outstanding Balance	Percent of Total
1	Commercial Paper LTD	0.228%	Floating	03/16/26	\$ 150,000,000	
2	First Mortgage Bond	2.800%	Fixed	05/15/22	500,000,000	
3	First Mortgage Bond	3.375%	Fixed	09/01/23	300,000,000	
4	First Mortgage Bond	3.250%	Fixed	08/15/25	500,000,000	
5	First Mortgage Bond	3.700%	Fixed	09/01/28	500,000,000	
6	First Mortgage Bond	3.450%	Fixed	03/15/29	600,000,000	
7	First Mortgage Bond	2.000%	Fixed	08/15/31	650,000,000	
8	First Mortgage Bond	6.125%	Fixed	09/15/33	200,000,000	
9	First Mortgage Bond	5.700%	Fixed	04/01/35	200,000,000	
10	First Mortgage Bond	6.300%	Fixed	04/01/38	325,000,000	
11	First Mortgage Bond	4.100%	Fixed	05/15/42	500,000,000	
12	First Mortgage Bond	4.100%	Fixed	03/15/43	500,000,000	
13	First Mortgage Bond	4.150%	Fixed	12/01/44	500,000,000	
14	First Mortgage Bond	4.375%	Fixed	03/30/44	400,000,000	
15	First Mortgage Bond	4.200%	Fixed	08/15/45	700,000,000	
16	First Mortgage Bond	3.700%	Fixed	10/15/46	450,000,000	
17	First Mortgage Bond	3.600%	Fixed	09/15/47	500,000,000	
18	First Mortgage Bond	2.500%	Fixed	08/15/50	600,000,000	
19	First Mortgage Bond	2.900%	Fixed	08/15/51	450,000,000	
20	Secured Debt - Duke Energy Progress Receivables, LLC	0.890%	Floating	04/13/23	350,000,000	
21	Pollution Control Bond backed by FMB	4.000%	Fixed	06/01/41	48,485,000	
22	Unamortized Debt (Discount)/Premium				(19,313,576)	
23	<b>Total Long Term Debt</b>				<b>\$ 8,904,171,424</b>	<b>48.2%</b>
Regulatory Common Equity						
24	Other Paid in Capital				\$ 2,784,376,969	
25	Retained Earnings				6,769,232,073	
26	Accumulated Other Comprehensive Income				(105,720)	
27	<b>Total Common Equity</b>				<b>\$ 9,553,503,322</b>	<b>51.8%</b>
28	<b>Total Regulatory Capitalization</b>				<b>\$ 18,457,674,746</b>	<b>100.0%</b>

Duke Energy Progress, LLC  
Cash Working Capital for NC Retail Operations - Lead Lag Summary  
For the Test Period Ended December 31, 2021  
Dollars in Thousands

Speros Exhibit 2  
Docket No. E-2, Sub 1300  
Page 1 of 1

Line No.		NC Retail Jurisdictional Amount [A]	Lead \Lag Days [B]	Weighted Amount [C]
<b>Calculation of NC Retail Amount:</b>				
1	Total Revenue Lag	\$ (3,800,280)	42.10	\$ (159,988,386)
2	Operation and Maintenance Expense	\$ 1,996,710	33.24	\$ 66,371,524
3	Depreciation and Amortization	742,091	0.00	0
4	Taxes Other Than Income Taxes	106,717	159.48	17,018,960
5	Interest on Customer Deposits	9,415	137.50	1,294,591
6	Income Taxes	39,308	104.31	4,100,363
7	Investment of Tax Credit	(2,378)	0.00	0
8	Net Operating Income	908,418	19.46	17,678,644
9	<b>Total Requirements (Sum L2 through L8)</b>	<u>\$ 3,800,280</u>	28.01	<u>\$ 106,464,083</u>
10	Revenue Lag Days (L1)		42.10	
11	Requirement Lead Days (L9)		28.01	
12	Net Lag Days (L10 - L11)		14.08	
13	Daily Requirements (Line 9, Col. A divided by 365)			\$ 10,412
14	Cash Working Capital Requirements (L13 x L12)			146,642
15	Working Capital Related to NC Sales Tax			6,680
16	Total Cash Working Capital Requirements			<u>\$ 153,322</u>
17	<b>Calculation of Total Company and Jurisdictional Amounts:</b>			
18	NC Retail: Cash Working Capital allocated at Net Plant Allocator (All - Net Plant - Jur)			68.9206%
19	Total Company Cash Working Capital Requirements (L16 / L18)			\$ 222,462
20	NC Retail Factor			68.9206%
21	SC Retail Factor			0.0000%
22	Total Wholesale Factor			0.0000%
23	Total (Sum L20 through L22)			<u>68.9206%</u>
24	NC Retail Cash Working Capital Requirement (L19 x L20)			\$ 153,322
25	SC Retail Cash Working Capital Requirement (L19 x L21)			-
26	Total Wholesale Cash Working Capital Requirement (L19 x L22)			-
27	<b>Total Company Cash Working Capital Requirement (Sum L24 through L26)</b>			<u>\$ 153,322</u>

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DEP Annual NC Retail Nuclear Decommissioning Expense

RESULTS BY UNIT			
	Revenue Requirement (Annual Funding Annuity)		
	<u>Qualified</u>	<u>Non-Qualified</u>	<u>Total</u>
Robinson	-		
Brunswick 1	-		
Brunswick 2	-		
Harris	-		
Total - DEP	-	-	-



## Nuclear Decommissioning Expense - Robinson

INPUTS - Robinson (100% ownership)			
		Duke Energy Ownership	100.000%
		NC Retail Allocation Factor	63.631%
12/31/2021		Non Qual Trust Fund Balance	18,238,061
12/31/2021		Qualified Trust Fund Balance	695,436,735
12/31/2021		TTD Q Unrealized Gains (NCR Share)	391,298,088
		After-Tax Rate of Return - NQ	1.98%
		Pre-Tax Rate of Return - Q	5.66%
		De-Risked Earnings - NQ (100% cash)	1.46%
		De-Risked Earnings - Q (100% cash)	1.90%
		Escalation Factor	2.82%
		Qualified Fund Tax Rate	20.00%
		Portfolio Turnover	10.00%
		Portion of Portfolio Turnover- Realized	55.85%
		Current Income Percentage (i.e., Dividend and Interest)	36.50%

RESULTS - NCR DECOMMISSIONING EXPENSE	
Revenue Requirement - Non Qualified	-
Revenue Requirement - Qualified	-
Revenue Requirement - Total	-

	DECOMMISSIONING COST ESTIMATES				NON-QUALIFIED TRUST FUND						Beginning Balance Qual Fund	Beginning Balance De-Risked Qual Fund	Transfers from Risked Fund	Total Earnings (AT) on De-Risked Portfolio
	Cost Estimate (2021 dollars)	NCR % of Costs (2021 dollars)	Duke Cost Estimate Escalated To Year of Spend	Present Value of Escalated Spend	Projected Beginning NQ Trust Fund Balance	Planned Contributions (Transfers)	Annual Funding Requirement	After-Tax Earnings	Decommissioning Payments (Withdrawals)	Est. Ending NQ Fund Balance				
2021										18,238,061				
2022					18,238,061	-	-	361,341	-	18,599,402	695,436,735	-	-	-
2023					18,599,402	-	-	368,500	-	18,967,902	723,741,185	-	-	-
2024					18,967,902	-	-	375,801	-	19,343,703	753,197,634	-	-	-
2025					19,343,703	-	-	383,247	-	19,726,950	783,852,968	-	-	-
2026					19,726,950	-	-	390,840	-	20,117,790	815,755,981	-	-	-
2027					20,117,790	-	-	398,583	-	20,516,373	848,957,456	-	-	-
2028					20,516,373	-	-	406,480	-	20,922,853	883,510,238	-	-	-
2029					20,922,853	-	-	414,534	-	21,337,387	919,469,328	-	-	-
2030					21,337,387	-	-	422,747	-	21,760,134	956,891,961	-	-	-
2031					21,760,134	-	-	431,122	-	22,191,256	995,837,705	-	-	-
2032					22,191,256	-	-	439,664	-	22,630,920	1,036,368,551	-	-	-
2033					22,630,920	-	-	448,375	-	23,079,294	1,078,549,013	-	-	-
2034					23,079,294	-	-	457,258	-	23,536,552	1,122,446,229	-	-	-
2035					23,536,552	-	-	466,317	-	24,002,870	1,168,130,074	-	-	-
2036					24,002,870	-	-	475,556	-	24,478,426	1,215,673,263	-	-	-
2037					24,478,426	-	-	484,978	-	24,963,405	1,265,151,471	-	-	-
2038					24,963,405	-	-	494,587	-	25,457,991	1,308,738,884	-	-	-
2039					25,457,991	-	-	504,386	-	25,962,377	1,368,037,551	-	-	-
2040					25,962,377	-	-	514,379	-	26,476,757	1,430,023,028	-	-	-
2041					26,476,757	-	-	524,570	-	27,001,327	1,494,817,054	-	-	-
2042					27,001,327	-	-	534,963	-	27,536,290	1,562,546,882	-	-	-
2043					27,536,290	-	-	545,562	-	28,081,852	1,633,345,534	-	-	-
2044					28,081,852	-	-	556,371	-	28,638,223	1,707,352,056	-	-	-
2045					28,638,223	-	-	567,394	-	29,205,618	1,784,711,798	-	-	-
2046				26,781,648	29,205,618	-	-	425,711	-	29,631,329	1,865,576,693	-	28,874,188	437,733
2047				215,040,368	29,631,329	-	-	431,916	-	30,063,245	1,920,360,819	437,733	215,040,368	3,266,648
2048				251,201,876	30,063,245	-	-	438,212	-	30,501,457	2,000,875,324	218,744,748	251,201,876	7,124,391
2049				226,960,180	30,501,457	-	-	444,600	-	30,946,057	2,077,365,754	477,071,015	226,960,180	10,673,113
2050	42,261,756	26,891,521	60,271,325	139,830,418	30,946,057	-	-	451,080	(31,397,137)	-	2,150,264,350	714,704,308	139,830,418	12,735,880
2051	158,104,136	100,603,031	231,842,195	143,776,433	-	-	-	-	-	-	2,192,835,263	838,396,418	143,776,433	13,132,377
2052	179,622,224	114,295,176	270,829,123	75,438,551	-	-	-	-	-	-	2,028,980,289	763,463,033	75,438,551	10,664,863
2053	157,834,090	100,431,199	244,693,342	64,067,265	-	-	-	-	-	-	1,822,738,231	578,737,324	64,067,265	7,890,142
2054	94,572,910	60,177,562	150,755,839	56,445,214	-	-	-	-	-	-	1,639,397,561	406,001,389	56,445,214	5,867,961
2055	94,572,910	60,177,562	155,010,169	10,652,096	-	-	-	-	-	-	1,547,837,070	317,558,725	10,652,096	3,800,699
2056	48,259,891	30,708,187	81,332,818	10,982,706	-	-	-	-	-	-	1,451,888,594	177,001,351	10,982,706	2,233,336
2057	39,860,536	25,363,605	69,073,056	11,261,784	-	-	-	-	-	-	1,430,056,344	108,884,574	11,261,784	1,297,845
2058	34,154,508	21,732,809	60,855,468	11,579,591	-	-	-	-	-	-	1,421,632,863	52,371,147	11,579,591	508,209
2059	6,268,591	3,988,759	11,484,380	11,906,367	-	-	-	-	-	-	1,422,801,879	3,603,479	11,906,367	148,078
2060	6,285,765	3,999,687	11,840,822	12,275,906	-	-	-	-	-	-	1,475,229,665	4,173,543	12,275,906	159,620
2061	6,268,591	3,988,759	12,141,705	12,275,906	-	-	-	-	-	-	1,529,645,471	4,768,247	12,275,906	166,355
2062	6,268,591	3,988,759	12,484,344	12,587,844	-	-	-	-	-	-	1,586,205,751	5,068,804	12,587,844	173,043
2063	6,268,591	3,988,759	12,836,652	13,308,327	-	-	-	-	-	-	1,644,965,062	5,345,348	13,308,327	185,488
2064	6,285,765	3,999,687	13,235,063	13,721,378	-	-	-	-	-	-	1,706,001,705	6,002,511	13,721,378	198,692
2065	6,268,591	3,988,759	13,571,375	15,120,830	-	-	-	-	-	-	1,769,370,207	6,687,518	15,120,830	227,744
2066	6,268,591	3,988,759	13,954,359	15,817,649	-	-	-	-	-	-	1,835,208,215	8,464,717	15,817,649	262,347
2067	6,268,591	3,988,759	14,348,151	17,930,412	-	-	-	-	-	-	1,903,568,849	10,590,353	17,930,412	323,616
2068	6,285,765	3,999,687	14,793,475	16,193,760	-	-	-	-	-	-	1,974,502,325	14,496,229	16,193,760	353,126
2069	6,736,744	4,286,648	16,302,271	18,663,056	-	-	-	-	-	-	2,048,135,680	16,249,640	18,663,056	405,705
2070	6,853,782	4,361,121	17,053,535	19,189,727	-	-	-	-	-	-	2,123,457,800	19,016,129	19,189,727	449,935
2071	7,556,011	4,807,955	19,331,375	19,731,261	-	-	-	-	-	-	2,201,336,501	21,602,256	19,731,261	480,084
2072	6,636,880	4,223,104	17,459,033	53,829,197	-	-	-	-	-	-	2,280,354,465	22,482,227	53,829,197	1,024,542
2073	7,438,973	4,733,483	20,121,263	32,851,547	-	-	-	-	-	-	2,363,784,674	59,876,932	2,303,907,741	35,682,456
2074	7,438,973	4,733,483	20,689,085	-	-	-	-	-	-	-	2,379,345,867	-	-	35,914,060
2075	7,438,973	4,733,483	21,272,931	-	-	-	-	-	-	-	2,394,570,842	-	-	36,140,445
2076	19,737,401	12,559,079	58,035,053	-	-	-	-	-	-	-	2,409,438,356	-	-	36,087,180
2077	11,714,988	7,454,348	35,418,349	-	-	-	-	-	-	-	2,387,490,483	-	-	35,925,885
	993,533,118	632,193,728	1,681,036,559	1,529,421,297			-		(31,397,137)				3,802,570,031	

	QUALIFIED TRUST FUND													
	Decommissioning Payments (Withdrawals)	Est. Ending De-risked Balance	Beginning Balance Risked Qual Fund	Planned Contributions (Transfers)	Total Earnings	Current Year Earnings Taxable	Portfolio Turnover	Realized Earnings From Turnover	Total Earnings Taxed	Tax	Annual Funding Requirement	Transfer to De-Risked Fund	Estimated Ending Risked Balance	Ending Balance Qual Fund
2021													695,436,735	695,436,735
2022	-	-	695,436,735		39,387,605	14,376,476	73,482,434	41,039,295	55,415,771	(11,083,154)	-	-	723,741,185	723,741,185
2023	-	-	723,741,185		40,990,690	14,961,602	76,473,188	42,709,605	57,671,207	(11,534,241)	-	-	753,197,634	753,197,634
2024	-	-	753,197,634		42,659,022	15,570,543	79,585,666	44,447,897	60,018,440	(12,003,688)	-	-	783,852,968	783,852,968
2025	-	-	783,852,968		44,395,255	16,204,268	82,824,822	46,256,937	62,461,205	(12,492,241)	-	-	815,755,981	815,755,981
2026	-	-	815,755,981		46,202,153	16,863,786	86,195,813	48,139,606	65,003,392	(13,000,678)	-	-	848,957,456	848,957,456
2027	-	-	848,957,456		48,082,592	17,550,146	89,704,005	50,098,900	67,649,046	(13,529,809)	-	-	883,510,238	883,510,238
2028	-	-	883,510,238		50,039,565	18,264,441	93,354,980	52,137,938	70,402,380	(14,080,476)	-	-	919,469,328	919,469,328
2029	-	-	919,469,328		52,076,188	19,007,809	97,154,552	54,259,965	73,267,774	(14,653,555)	-	-	956,891,961	956,891,961
2030	-	-	956,891,961		54,195,702	19,781,431	101,108,766	56,468,360	76,249,791	(15,249,958)	-	-	995,837,705	995,837,705
2031	-	-	995,837,705		56,401,481	20,586,541	105,223,919	58,766,636	79,353,177	(15,870,635)	-	-	1,036,368,551	1,036,368,551
2032	-	-	1,036,368,551		58,697,036	21,424,418	109,506,559	61,158,453	82,582,871	(16,516,574)	-	-	1,078,549,013	1,078,549,013
2033	-	-	1,078,549,013		61,086,020	22,296,397	113,963,503	63,647,618	85,944,015	(17,188,803)	-	-	1,122,446,229	1,122,446,229
2034	-	-	1,122,446,229		63,572,236	23,203,866	118,601,847	66,238,092	89,441,958	(17,888,392)	-	-	1,168,130,074	1,168,130,074
2035	-	-	1,168,130,074		66,159,642	24,148,269	123,428,972	68,933,999	93,082,268	(18,616,454)	-	-	1,215,673,263	1,215,673,263
2036	-	-	1,215,673,263		68,852,356	25,131,110	128,452,562	71,739,630	96,870,740	(19,374,148)	-	-	1,265,151,471	1,265,151,471
2037	-	-	1,265,151,471		71,654,665	26,153,953	133,680,614	74,182,308	100,336,260	(20,067,252)	-	-	1,308,738,884	1,308,738,884
2038	-	-	1,308,738,884		74,123,335	27,055,017	138,286,222	77,068,317	103,123,335	(20,824,667)	-	-	1,368,037,551	1,368,037,551
2039	-	-	1,368,037,551		77,481,846	28,280,874	144,551,940	80,092,972	106,092,972	(21,600,972)	-	-	1,430,023,028	1,430,023,028
2040	-	-	1,430,023,028		80,992,532	29,562,274	151,101,556	83,140,258	109,532,532	(22,400,258)	-	-	1,494,817,054	1,494,817,054
2041	-	-	1,494,817,054		84,662,285	30,901,734	157,947,934	86,260,551	112,060,551	(23,240,551)	-	-	1,562,546,882	1,562,546,882
2042	-	-	1,562,546,882		88,498,315	32,301,885	165,104,520	88,498,315	116,196,430	(24,098,315)	-	-	1,633,345,534	1,633,345,534
2043	-	-	1,633,345,534		92,508,154	33,765,476	172,585,369	91,042,677	120,508,154	(24,942,677)	-	-	1,707,352,056	1,707,352,056
2044	-	-	1,707,352,056		96,699,677	35,295,382	180,405,173	94,604,295	124,699,677	(25,794,295)	-	-	1,784,711,798	1,784,711,798
2045	-	-	1,784,711,798		101,081,118	36,894,608	188,579,292	98,186,510	130,186,510	(26,640,510)	-	-	1,865,576,693	1,865,576,693
2046	-	437,733	1,865,576,693		104,025,727	37,969,391	225,834,430	101,025,727	133,025,727	(27,498,000)	-	(28,874,188)	1,919,923,087	1,920,360,819
2047	-	218,744,748	1,919,923,087		96,559,821	35,244,335	416,688,659	101,315,486	124,315,486	(28,366,659)	-	(215,040,368)	1,782,130,575	2,000,875,324
2048	-	477,071,015	1,782,130,575		86,707,549	31,648,255	438,085,688	93,059,293	112,707,549	(29,248,293)	-	(251,201,876)	1,600,294,739	2,077,365,754
2049	-	714,704,308	1,600,294,739		77,781,854	28,390,377	394,767,840	84,391,477	103,781,854	(30,189,854)	-	(226,960,180)	1,435,560,042	2,150,264,350
2050	(28,874,188)	838,396,418	1,435,560,042		73,386,526	26,786,082	290,725,075	78,600,444	102,386,526	(31,073,305)	-	(139,830,418)	1,354,438,844	2,192,835,263
2051	(231,842,195)	763,463,033	1,354,438,844		68,568,556	25,027,523	286,077,173	73,541,033	96,568,556	(31,713,711)	-	(143,776,433)	1,265,517,256	2,028,980,289
2052	(270,829,123)	578,737,324	1,265,517,256		67,402,752	24,602,004	208,730,552	70,402,752	93,402,752	(32,480,550)	-	(75,438,551)	1,244,000,907	1,822,738,231
2053	(244,693,342)	406,001,389	1,244,000,907		66,828,164	24,392,280	195,150,172	68,828,164	90,365,633	(33,065,633)	-	(64,067,265)	1,233,396,172	1,639,397,561
2054	(150,755,839)	317,558,725	1,233,396,172		66,659,233	24,330,620	186,450,754	68,659,233	90,331,847	(33,818,447)	-	(56,445,214)	1,230,278,345	1,547,837,070
2055	(155,010,169)	177,001,351	1,230,278,345		69,076,243	25,212,829	140,587,555	70,076,243	91,076,243	(34,618,243)	-	(10,652,096)	1,274,887,243	1,451,888,594
2056	(81,332,818)	108,884,574	1,274,887,243		71,584,042	26,128,175	145,629,834	72,584,042	93,584,042	(35,416,808)	-	(10,982,706)	1,321,171,770	1,404,056,344
2057	(69,073,056)	52,371,147	1,271,171,770		74,189,663	27,079,227	150,797,927	74,189,663	96,987,927	(36,211,784)	-	(11,261,784)	1,369,261,717	1,421,632,863
2058	(60,855,468)	3,603,479	1,369,261,717		76,895,344	28,066,801	156,195,297	76,895,344	98,090,344	(37,099,669)	-	(11,579,591)	1,419,198,401	1,422,801,879
2059	(11,484,380)	4,173,543	1,419,198,401		79,705,111	29,092,366	161,796,718	80,612,746	101,705,111	(37,947,022)	-	(11,906,367)	1,471,056,122	1,475,229,665
2060	(11,840,822)	4,768,247	1,471,056,122		82,621,259	30,156,760	167,643,644	82,621,259	104,643,644	(38,824,259)	-	(12,275,906)	1,524,877,224	1,529,645,471
2061	(12,141,705)	5,068,804	1,524,877,224		85,669,537	31,269,381	173,330,582	85,669,537	106,330,582	(39,713,907)	-	(12,275,906)	1,581,136,947	1,586,205,751
2062	(12,484,344)	5,345,348	1,581,136,947		88,838,264	32,425,966	179,585,366	88,838,264	108,425,966	(40,608,264)	-	(12,767,953)	1,639,619,714	1,644,965,062
2063	(12,836,652)	6,002,511	1,639,619,714		92,109,759	33,620,062	186,481,274	92,109,759	110,590,759	(41,511,274)	-	(13,308,327)	1,699,999,194	1,706,001,705
2064	(13,235,063)	6,687,518	1,699,999,194		95,506,091	34,859,723	193,271,907	95,506,091	113,731,907	(42,402,091)	-	(13,721,378)	1,762,682,689	1,769,370,207
2065	(13,571,375)	8,464,717	1,762,682,689		98,977,049	36,126,623	201,286,804	98,977,049	116,753,804	(43,293,804)	-	(15,120,830)	1,826,743,498	1,833,208,215
2066	(13,954,359)	10,590,353	1,826,743,498		102,565,809	37,436,520	208,748,580	102,565,809	120,565,809	(44,184,580)	-	(15,817,649)	1,892,978,496	1,903,568,849
2067	(14,348,151)	14,496,229	1,892,978,496		106,197,515	38,762,093	217,848,013	106,197,515	124,017,515	(45,075,515)	-	(17,930,412)	1,960,006,096	1,974,502,325
2068	(14,793,475)	16,249,640	1,960,006,096		110,092,131	40,183,628	223,203,583	110,092,131	128,092,131	(46,003,583)	-	(16,193,760)	2,031,886,040	2,041,135,680
2069	(16,032,271)	19,016,129	2,031,886,040		114,023,357	41,618,525	233,253,995	114,023,357	130,276,995	(46,933,995)	-	(18,663,056)	2,104,441,670	2,123,457,800
2070	(17,053,535)	21,602,256	2,104,441,670		118,102,877	43,107,550	241,444,182	118,102,877	134,995,327	(47,827,327)	-	(19,189,727)	2,179,734,245	2,201,336,501
2071	(19,331,375)	22,482,227	2,179,734,245		122,336,568	44,652,847	249,938,343	122,336,568	140,675,343	(48,713,343)	-	(19,731,261)	2,257,872,238	2,280,354,465
2072	(17,459,033)	59,876,932	2,257,872,238		124,830,875	45,563,269	292,099,508	124,830,875	146,930,875	(49,663,875)	-	(53,829,197)	2,303,907,741	2,363,784,674
2073	(20,121,263)	2,379,345,867	2,303,907,741		-	-	2,534,298,515	-	-	-	-	(2,303,907,741)	-	2,379,345,867
2074	(20,689,085)	2,394,570,842	-		-	-	-	-	-	-	-	-	-	2,394,570,842
2075	(21,272,931)	2,409,438,356	-		-	-	-	-	-	-	-	-	-	2,409,438,356
2076	(58,035,053)	2,387,490,483	-		-	-	-	-	-	-	-	-	-	2,387,490,483
2077	(35,418,349)	2,387,998,018	-		-	-	-	-	-	-	-	-	-	2,387,998,018
	(1,649,639,422)											(3,802,570,031)		

## Nuclear Decommissioning Expense - Brunswick 1

INPUTS - Brunswick 1 (100% ownership)			
	Duke Energy Ownership	100.000%	
	NC Retain Allocation Factor	63.631%	
12/31/2021	Non Qual Trust Fund Balance	168,751,345	
12/31/2021	Qualified Trust Fund Balance	479,764,236	
12/31/2021	TTD Q Unrealized Gains (NCR Share)	248,522,033	
	After-Tax Rate of Return - NQ	4.65%	
	Pre-Tax Rate of Return - Q	5.54%	
	De-Risked Earnings - NQ (100% cash)	1.46%	
	De-Risked Earnings - Q (100% cash)	1.90%	
	Escalation Factor	2.85%	
	Qualified Fund Tax Rate	20.00%	
	Portfolio Turnover	10.00%	
	Portion of Portfolio Turnover- Realized	51.97%	
	Current Income Percentage (i.e., Dividend and Interest)	36.50%	

RESULTS - NCR DECOMMISSIONING EXPENSE	
Revenue Requirement - Non Qualified	-
Revenue Requirement - Qualified	-
Revenue Requirement - Total	-

	DECOMMISSIONING COST ESTIMATES				NON-QUALIFIED TRUST FUND						Beginning Balance Qual Fund	Beginning Balance De-Risked Qual Fund	Transfers from Risked Fund	Total Earnings (AT) on De-Risked Portfolio	Decommissioning Payments (Withdrawals)
	Cost Estimate (2021 dollars)	NCR % of Costs (2021 dollars)	Duke Cost Estimate Escalated To Year of Spend	Present Value of Escalated Spend	Projected Beginning NQ Trust Fund Balance	Planned Contributions (Transfers)	Annual Funding Requirement	After-Tax Earnings	Decommissioning Payments (Withdrawals)	Est. Ending NQ Fund Balance					
2021										168,751,345					
2022					168,751,345		-	7,844,439	-	176,595,784	479,764,236	-	-	-	-
2023					176,595,784		-	8,209,089	-	184,804,873	499,157,888	-	-	-	-
2024					184,804,873		-	8,590,690	-	193,395,563	519,335,495	-	-	-	-
2025					193,395,563		-	8,990,030	-	202,385,593	540,328,747	-	-	-	-
2026					202,385,593		-	9,407,933	-	211,793,526	562,170,615	-	-	-	-
2027					211,793,526		-	9,845,263	-	221,638,789	584,895,404	-	-	-	-
2028					221,638,789		-	10,302,922	-	231,941,711	608,538,804	-	-	-	-
2029					231,941,711		-	10,781,855	-	242,723,566	633,137,948	-	-	-	-
2030					242,723,566		-	11,283,052	-	254,006,617	658,731,471	-	-	-	-
2031					254,006,617		-	11,807,546	-	265,814,164	685,359,568	-	-	-	-
2032					265,814,164		-	12,356,423	-	278,170,586	713,064,060	-	-	-	-
2033					278,170,586		-	12,930,813	-	291,101,400	741,888,459	-	-	-	-
2034					291,101,400		-	13,531,905	-	304,633,304	771,878,036	-	-	-	-
2035					304,633,304		-	14,160,938	-	318,794,242	803,079,890	-	-	-	-
2036					318,794,242		-	14,819,212	-	333,613,453	835,543,026	-	-	-	-
2037					333,613,453		-	15,508,086	-	349,121,539	869,318,428	-	-	-	-
2038					349,121,539		-	16,228,982	-	365,350,521	904,459,144	-	-	-	-
2039					365,350,521		-	16,983,389	-	382,333,910	936,141,976	-	-	-	-
2040					382,333,910		-	17,772,865	-	400,106,775	977,661,495	-	-	-	-
2041					400,106,775		-	18,599,040	-	418,705,816	1,021,022,475	-	-	-	-
2042					418,705,816		-	19,463,620	-	438,169,436	1,066,306,591	-	-	-	-
2043					438,169,436		-	20,368,390	-	458,537,827	1,113,599,135	-	-	-	-
2044					458,537,827		-	21,315,219	-	479,853,046	1,162,989,186	-	-	-	-
2045					479,853,046		-	22,306,061	-	502,159,107	1,214,569,770	-	-	-	-
2046					502,159,107		-	23,342,963	-	525,502,069	1,268,438,044	-	-	-	-
2047					525,502,069		-	24,428,065	-	549,930,134	1,324,695,468	-	-	-	-
2048					549,930,134		-	25,563,608	-	575,493,742	1,383,448,007	-	-	-	-
2049					575,493,742		-	26,751,937	-	602,245,680	1,444,806,322	-	-	-	-
2050					602,245,680		-	27,995,506	-	630,241,186	1,508,885,985	-	-	-	-
2051					630,241,186		-	29,296,883	-	659,538,068	1,575,807,692	-	-	-	-
2052					659,538,068		-	9,613,651	-	669,151,720	1,645,697,493	-	-	-	-
2053					669,151,720		-	9,753,783	-	678,905,503	1,718,687,027	-	-	-	-
2054					678,905,503		-	9,895,957	-	688,801,460	1,794,913,774	-	-	-	-
2055				366,898,081	688,801,460		-	10,040,204	-	698,841,664	1,874,521,309	-	366,898,081	5,562,175	-
2056	28,475,545	18,119,236	48,482,590	466,532,790	698,841,664		-	10,186,554	(48,482,590)	660,545,628	372,460,256	466,532,790	466,532,790	12,719,135	-
2057	128,775,372	81,940,884	225,506,637	86,716,276	660,545,628		-	9,628,338	(225,506,637)	444,667,328	2,008,808,094	851,712,181	86,716,276	14,226,575	-
2058	200,283,666	127,442,231	360,732,099	104,373,023	644,667,328		-	6,481,622	(360,732,099)	90,416,851	2,070,507,861	952,655,032	104,373,023	16,024,545	-
2059	213,533,455	135,873,187	395,565,062	74,483,898	90,416,851		-	1,317,947	(91,734,798)	-	2,131,481,991	1,073,052,600	74,483,898	15,093,620	(303,830,264)
2060	263,991,485	167,980,068	502,984,565	72,792,041	-		-	1,886,385,034	858,799,855	72,792,041	858,799,855	72,792,041	72,792,041	10,310,310	(502,984,565)
2061	47,708,485	30,357,322	93,491,710	50,079,550	-		-	1,436,057,508	6,704,530	50,079,550	438,917,641	50,079,550	6,704,530	6,704,530	(93,491,710)
2062	55,830,373	35,525,350	112,528,038	7,401,483	-		-	1,391,274,094	5,356,748	7,401,483	402,210,011	7,401,483	5,356,748	5,356,748	(112,528,038)
2063	38,737,530	24,649,026	80,305,576	7,612,573	-		-	1,327,641,240	302,440,203	7,612,573	3,327,641,240	302,440,203	7,612,573	4,091,699	(80,305,576)
2064	36,807,869	23,421,166	78,479,528	7,851,135	-		-	1,296,561,174	233,840,899	7,851,135	1,296,561,174	233,840,899	7,851,135	3,069,176	(78,479,528)
2065	24,620,930	15,666,511	53,992,434	8,052,986	-		-	1,267,936,096	166,281,683	8,052,986	1,267,936,096	166,281,683	8,052,986	2,233,651	(53,992,434)
2066	3,537,936	2,251,220	7,979,785	8,282,657	-		-	1,264,680,430	122,575,886	8,282,657	1,264,680,430	122,575,886	8,282,657	1,923,329	(7,979,785)
2067	3,537,936	2,251,220	8,207,369	8,518,879	-		-	1,308,910,938	124,802,086	8,518,879	1,308,910,938	124,802,086	8,518,879	1,958,934	(8,207,369)
2068	3,547,629	2,257,387	8,464,570	8,785,842	-		-	1,354,801,955	127,072,530	8,785,842	1,354,801,955	127,072,530	8,785,842	1,995,451	(8,464,570)
2069	3,537,936	2,251,220	8,682,193	9,011,725	-		-	1,402,395,095	129,389,253	9,011,725	1,402,395,095	129,389,253	9,011,725	2,032,348	(8,682,193)
2070	3,537,936	2,251,220	8,929,809	9,268,739	-		-	1,451,805,579	131,751,133	9,268,739	1,451,805,579	131,751,133	9,268,739	2,070,173	(8,929,809)
2071	3,537,936	2,251,220	9,184,487	9,533,084	-		-	1,503,081,559	134,160,236	9,533,084	1,503,081,559	134,160,236	9,533,084	2,108,772	(9,184,487)
2072	3,547,629	2,257,387	9,472,310	9,994,009	-		-	1,556,297,067	136,617,605	9,994,009	1,556,297,067	136,617,605	9,994,009	2,150,832	(9,472,310)
2073	3,537,936	2,251,220	9,715,841	11,752,644	-		-	1,611,497,581	139,290,136	11,752,644	1,611,497,581	139,290,136	11,752,644	2,216,162	(9,715,841)
2074	3,537,936	2,251,220	9,992,937	12,087,829	-		-	1,668,771,603	143,543,101	12,087,829	1,668,771,603	143,543,101	12,087,829	2,283,618	(9,992,937)
2075	3,537,936	2,251,220	10,277,935	12,432,574	-		-	1,728,172,694	147,921,612	12,432,574	1,728,172,694	147,921,612	12,432,574	2,353,063	(10,277,935)
2076	3,606,149	2,294,624	10,774,874	12,817,212	-		-	1,789,783,288	152,429,314	12,817,212	1,789,783,288	152,429,314	12,817,212	2,423,464	(10,774,874)
2077	4,123,127	2,623,582	12,670,918	13,151,841	-		-	1,853,482,897	156,895,116	13,151,841	1,853,482,897	156,895,116	13,151,841	2,481,866	(12,670,918)
2078	4,123,127	2,623,582	13,032,292	13,526,931	-		-	1,917,957,146	159,857,905	13,526,931	1,917,957,146	159,857,905	13,526,931	2,529,729	(13,032,292)
2079	4,123,127	2,623,582	13,403,973	13,912,719	-		-	1,984,829,387	162,882,274	13,912,719	1,984,829,387	162,882,274	13,912,719	2,578,610	(13,403,973)
2080	4,132,820	2,629,749	13,818,664	14,343,150	-		-	2,054,193,481	165,969,630	14,343,150	2,054,193,481	165,969,630	14,343,150	2,628,796	(13,818,664)
2081	4,123,127	2,623,582	14,179,438	14,717,617	-		-	2,126,113,468	169,122,912	14,717,617	2,126,113,468	169,122,912	14,717,617	2,679,542	(14,179,438)
2082	4,123,127	2,623,582	14,583,836	15,137,364	-		-	2,200,756,741	172,340,634	15,137,364	2,200,756,741	172,340,634	15,137,364	2,731,621	(14,583,836)
2083	4,123,127	2,623,582	14,999,767	15,569,082	-		-	2,278,196,925	175,625,782	15,569,082	2,278,196,925	175,625,782	15,569,082	2,784,816	(14,999,767)
2084	4,132,820	2,629,749	15,463,829	16,050,757	-		-	2,358,544,131	178,979,913	16,050,757	2,358,544,131	178,979,913	16,050,757	2,839,449	(15,463,829)
2085	4,123,127	2,623,582	15,867,554	16,469,806	-		-	2,441,875,321	182,406,290	16,469,806	2,441,875,321	182,406,290	16,469,806	2,894,686	(15,867,554)
2086															

	QUALIFIED TRUST FUND												
	Est. Ending De-risked Balance	Beginning Balance Risky Qual Fund	Planned Contributions (Transfers)	Total Earnings	Current Year Earnings Taxable	Portfolio Turnover	Realized Earnings From Turnover	Total Earnings Taxed	Tax	Annual Funding Requirement	Transfer to De-Risked Fund	Estimated Ending Risky Balance	Ending Balance Qual Fund
2021	-	479,764,236	-	26,597,969	9,708,259	50,636,220	26,313,327	36,021,585	(7,204,317)	-	-	479,764,236	479,764,236
2022	-	499,157,888	-	27,673,146	10,100,698	52,683,103	27,376,998	37,477,697	(7,495,539)	-	-	499,157,888	499,157,888
2023	-	519,335,495	-	28,791,786	10,509,002	54,812,728	28,483,667	38,992,669	(7,798,534)	-	-	519,335,495	519,335,495
2024	-	540,328,747	-	29,955,685	10,933,810	57,028,439	29,635,071	40,568,881	(8,113,776)	-	-	540,328,747	540,328,747
2025	-	562,170,615	-	31,166,551	11,375,791	59,333,717	30,833,018	42,208,809	(8,441,762)	-	-	562,170,615	562,170,615
2026	-	584,895,404	-	32,426,405	11,835,638	61,732,181	32,079,390	43,915,028	(8,783,006)	-	-	584,895,404	584,895,404
2027	-	608,538,804	-	33,737,188	12,314,073	64,227,599	33,376,145	45,690,218	(9,138,044)	-	-	608,538,804	608,538,804
2028	-	633,137,948	-	35,100,956	12,811,849	66,823,890	34,725,318	47,537,167	(9,507,433)	-	-	633,137,948	633,137,948
2029	-	658,731,471	-	36,519,852	13,329,746	69,525,132	36,129,030	49,458,776	(9,891,755)	-	-	658,731,471	658,731,471
2030	-	685,359,568	-	37,996,105	13,868,578	72,335,567	37,589,485	51,458,063	(10,291,613)	-	-	685,359,568	685,359,568
2031	-	713,064,060	-	39,532,033	14,429,192	75,259,609	39,108,975	53,538,167	(10,707,633)	-	-	713,064,060	713,064,060
2032	-	741,888,459	-	41,130,048	15,012,467	78,301,851	40,689,889	55,702,357	(11,140,471)	-	-	741,888,459	741,888,459
2033	-	771,878,036	-	42,792,660	15,619,321	81,467,070	42,334,709	57,954,029	(11,590,806)	-	-	771,878,036	771,878,036
2034	-	803,079,890	-	44,522,480	16,250,705	84,760,237	44,046,017	60,296,722	(12,059,344)	-	-	803,079,890	803,079,890
2035	-	835,543,026	-	46,322,226	16,907,612	88,186,525	45,826,502	62,734,114	(12,546,823)	-	-	835,543,026	835,543,026
2036	-	869,318,428	-	48,194,723	17,591,074	91,751,315	47,678,960	65,270,034	(13,054,007)	-	-	869,318,428	869,318,428
2037	-	904,459,144	-	50,142,912	18,302,163	95,460,206	49,300,400	67,800,000	(13,569,080)	-	-	904,459,144	904,459,144
2038	-	936,141,976	-	51,899,398	18,943,280	98,804,137	50,939,398	69,458,776	(14,088,044)	-	-	936,141,976	936,141,976
2039	-	977,661,495	-	54,201,226	19,783,447	103,186,272	54,201,226	72,335,567	(14,641,755)	-	-	977,661,495	977,661,495
2040	-	1,021,022,475	-	56,605,144	20,660,878	107,762,762	56,605,144	81,467,070	(15,246,823)	-	-	1,021,022,475	1,021,022,475
2041	-	1,066,306,591	-	59,115,680	21,577,223	112,542,227	59,115,680	84,760,237	(15,891,755)	-	-	1,066,306,591	1,066,306,591
2042	-	1,113,599,135	-	61,737,563	22,534,211	117,533,670	61,737,563	88,186,525	(16,584,428)	-	-	1,113,599,135	1,113,599,135
2043	-	1,162,989,186	-	64,475,731	23,533,642	122,746,492	64,475,731	91,751,315	(17,334,709)	-	-	1,162,989,186	1,162,989,186
2044	-	1,214,569,770	-	67,335,341	24,577,400	128,190,511	67,335,341	95,460,206	(18,140,471)	-	-	1,214,569,770	1,214,569,770
2045	-	1,268,438,044	-	70,321,780	25,667,450	133,875,982	70,321,780	99,458,776	(18,991,755)	-	-	1,268,438,044	1,268,438,044
2046	-	1,324,695,468	-	73,440,673	26,805,846	139,813,614	73,440,673	103,186,272	(19,891,755)	-	-	1,324,695,468	1,324,695,468
2047	-	1,383,448,007	-	76,697,894	27,994,731	146,014,590	76,697,894	107,762,762	(20,841,755)	-	-	1,383,448,007	1,383,448,007
2048	-	1,444,806,322	-	80,099,579	29,236,346	152,490,590	80,099,579	112,542,227	(21,834,709)	-	-	1,444,806,322	1,444,806,322
2049	-	1,508,885,985	-	83,652,134	30,533,029	159,253,812	83,652,134	117,533,670	(22,875,982)	-	-	1,508,885,985	1,508,885,985
2050	-	1,575,807,692	-	87,362,251	31,887,222	166,316,994	87,362,251	122,746,492	(23,977,223)	-	-	1,575,807,692	1,575,807,692
2051	-	1,645,697,493	-	91,236,918	33,301,475	173,693,441	91,236,918	128,190,511	(25,140,471)	-	-	1,645,697,493	1,645,697,493
2052	-	1,718,687,027	-	95,283,433	34,778,453	181,397,046	95,283,433	133,875,982	(26,375,982)	-	-	1,718,687,027	1,718,687,027
2053	-	1,794,913,774	-	99,509,419	36,320,938	189,442,319	99,509,419	139,813,614	(27,667,824)	-	-	1,794,913,774	1,794,913,774
2054	-	1,874,521,309	-	103,882,127	37,919,607	197,762,762	103,882,127	146,014,590	(28,991,755)	-	-	1,874,521,309	1,874,521,309
2055	372,460,256	1,959,989,568	-	108,429,391	39,532,033	206,429,192	108,429,391	152,490,590	(30,375,982)	(366,898,081)	-	1,959,989,568	1,959,989,568
2056	851,712,181	2,045,701,749	-	113,166,551	41,130,048	215,746,492	113,166,551	157,954,029	(31,834,709)	(466,532,790)	-	2,045,701,749	2,045,701,749
2057	952,655,032	2,141,356,781	-	118,010,956	42,792,660	225,467,070	118,010,956	162,954,029	(33,375,982)	(86,716,276)	-	2,141,356,781	2,141,356,781
2058	1,073,052,600	2,248,409,381	-	123,021,226	44,522,480	235,949,237	123,021,226	168,000,000	(34,977,223)	(104,373,023)	-	2,248,409,381	2,248,409,381
2059	858,799,855	2,363,209,236	-	128,194,723	46,322,226	246,771,450	128,194,723	173,693,441	(36,584,428)	(74,483,898)	-	2,363,209,236	2,363,209,236
2060	438,917,641	2,492,126,877	-	133,166,551	48,194,723	257,916,137	133,166,551	179,259,609	(38,246,823)	(72,792,041)	-	2,492,126,877	2,492,126,877
2061	402,210,011	2,634,336,888	-	138,236,918	50,142,912	269,359,049	138,236,918	184,762,762	(40,088,044)	(50,079,550)	-	2,634,336,888	2,634,336,888
2062	302,440,203	2,796,777,091	-	143,301,475	52,142,912	281,501,950	143,301,475	190,509,419	(41,977,223)	(7,401,483)	-	2,796,777,091	2,796,777,091
2063	253,840,899	2,960,617,990	-	148,475,731	54,201,226	293,703,176	148,475,731	196,458,776	(43,977,223)	(7,612,573)	-	2,960,617,990	2,960,617,990
2064	166,281,683	3,136,900,673	-	153,737,563	56,329,746	306,032,922	153,737,563	202,468,000	(46,077,223)	(7,851,135)	-	3,136,900,673	3,136,900,673
2065	122,575,886	3,329,476,559	-	159,253,812	58,533,029	319,566,941	159,253,812	208,477,223	(48,246,823)	(8,052,986)	-	3,329,476,559	3,329,476,559
2066	124,802,086	3,534,278,645	-	164,919,607	60,833,029	333,400,000	164,919,607	214,569,770	(50,509,419)	(8,282,657)	-	3,534,278,645	3,534,278,645
2067	127,072,530	3,751,351,175	-	170,329,746	63,200,938	347,600,960	170,329,746	220,468,000	(52,771,414)	(8,518,879)	-	3,751,351,175	3,751,351,175
2068	129,389,253	3,980,740,428	-	175,919,607	65,746,492	362,347,452	175,919,607	226,468,000	(55,077,223)	(8,785,842)	-	3,980,740,428	3,980,740,428
2069	131,751,133	4,222,491,561	-	181,762,762	68,246,823	377,594,275	181,762,762	232,468,000	(57,477,223)	(9,011,725)	-	4,222,491,561	4,222,491,561
2070	134,160,236	4,476,651,797	-	187,762,762	70,833,029	393,427,304	187,762,762	238,468,000	(60,077,223)	(9,268,739)	-	4,476,651,797	4,476,651,797
2071	136,617,605	4,738,269,402	-	193,919,607	73,333,029	409,760,333	193,919,607	244,468,000	(62,777,223)	(9,533,084)	-	4,738,269,402	4,738,269,402
2072	139,290,136	5,007,559,538	-	200,253,812	75,919,607	426,679,941	200,253,812	250,468,000	(65,577,223)	(9,994,009)	-	5,007,559,538	5,007,559,538
2073	143,543,101	5,291,102,639	-	207,762,762	78,533,029	444,212,970	207,762,762	256,468,000	(68,477,223)	(11,752,644)	-	5,291,102,639	5,291,102,639
2074	147,921,612	5,589,024,251	-	215,429,314	81,242,912	462,465,184	215,429,314	262,468,000	(71,477,223)	(11,994,462)	-	5,589,024,251	5,589,024,251
2075	152,429,314	5,891,453,565	-	223,429,314	84,010,956	481,476,140	223,429,314	268,468,000	(74,577,223)	(12,246,823)	-	5,891,453,565	5,891,453,565
2076	156,895,116	6,207,348,681	-	231,919,607	86,919,607	501,395,757	231,919,607	274,468,000	(77,777,223)	(12,509,419)	-	6,207,348,681	6,207,348,681
2077	159,857,905	6,537,206,586	-	240,762,762	89,919,607	521,315,364	240,762,762	280,468,000	(81,077,223)	(13,151,841)	-	6,537,206,586	6,537,206,586
2078	162,882,274	6,880,088,860	-	250,253,812	93,021,226	542,336,590	250,253,812	286,468,000	(84,277,223)	(13,426,931)	-	6,880,088,860	6,880,088,860
2079	165,969,630	7,242,058,490	-	260,762,762	96,333,029	564,670,619	260,762,762	292,468,000	(87,577,223)	(13,712,719)	-	7,242,058,490	7,242,058,490
2080	169,122,912	7,617,181,402	-	271,429,314	100,043,029	588,113,643	271,429,314	298,468,000	(90,977,223)	(14,013,709)	-	7,617,181,402	7,617,181,402
2081	172,340,634	8,007,522,036	-	282,762,762	104,010,956	613,124,600	282,762,762	304,468,000	(94,577,223)	(14,333,150)	-	8,007,522,036	8,007,522,036
2082	175,625,782	8,413,147,818	-	294,253,812	108,246,823	639,371,423	294,253,812	310,468,000	(98,277,223)	(14,677,617)	-	8,413,147,818	8,413,147,818
2083	178,979,913	8,842,127,731	-	307,000,000	112,746,492	666,117,915	307,000,000	316,468,000	(102,177,223)	(15,047,029)	-	8,842,127,731	8,842,127,731
2084	182,406,290	9,294,534,021	-	320,762,762	117,533,670	694,651,585	320,762,762	322,468,000	(106,277,223)	(15,447,029)	-	9,294,534,021	9,294,534,0

## Nuclear Decommissioning Expense - Brunswick 2

INPUTS - Brunswick 2 (100% ownership)		
	Duke Energy Ownership	100.000%
	NC Retain Allocation Factor	63.631%
12/31/2021	Non Qual Trust Fund Balance	150,058,228
12/31/2021	Qualified Trust Fund Balance	510,211,917
12/31/2021	TTD Q Unrealized Gains (NCR Share)	279,006,836
	After-Tax Rate of Return - NQ	4.46%
	Pre-Tax Rate of Return - Q	5.55%
	De-Risked Earnings - NQ (100% cash)	1.46%
	De-Risked Earnings - Q (100% cash)	1.90%
	Escalation Factor	2.80%
	Qualified Fund Tax Rate	20.00%
	Portfolio Turnover	10.00%
	Portion of Portfolio Turnover- Realized	54.50%
	Current Income Percentage (i.e., Dividend and Interest)	36.50%

RESULTS - NCR DECOMMISSIONING EXPENSE	
Revenue Requirement - Non Qualified	-
Revenue Requirement - Qualified	-
Revenue Requirement - Total	-

	DECOMMISSIONING COST ESTIMATES				NON-QUALIFIED TRUST FUND						Beginning Balance Qual Fund	Beginning Balance De-Risked Qual Fund	Transfers from Risked Fund	Total Earnings (AT) on De-Risked Portfolio	Decommissioning Payments (Withdrawals)
	Cost Estimate (2021 dollars)	NCR % of Costs (2021 dollars)	Duke Cost Estimate Escalated To Year of Spend	Present Value of Escalated Spend	Projected Beginning NQ Trust Fund Balance	Planned Contributions (Transfers)	Annual Funding Requirement	After-Tax Earnings	Decommissioning Payments (Withdrawals)	Est. Ending NQ Fund Balance					
2021										150,058,228					
2022					150,058,228		-	6,685,206	-	156,743,433	510,211,917	-	-	-	-
2023					156,743,433		-	6,983,036	-	163,726,469	530,584,480	-	-	-	-
2024					163,726,469		-	7,294,136	-	171,020,605	551,770,512	-	-	-	-
2025					171,020,605		-	7,619,095	-	178,639,700	573,802,494	-	-	-	-
2026					178,639,700		-	7,958,531	-	186,598,232	596,714,204	-	-	-	-
2027					186,598,232		-	8,313,090	-	194,911,322	620,540,770	-	-	-	-
2028					194,911,322		-	8,683,444	-	203,594,766	645,318,721	-	-	-	-
2029					203,594,766		-	9,070,298	-	212,665,064	671,086,046	-	-	-	-
2030					212,665,064		-	9,474,387	-	222,139,451	697,882,251	-	-	-	-
2031					222,139,451		-	9,896,478	-	232,035,928	725,748,417	-	-	-	-
2032					232,035,928		-	10,337,373	-	242,373,301	754,727,269	-	-	-	-
2033					242,373,301		-	10,797,911	-	253,171,212	784,863,235	-	-	-	-
2034					253,171,212		-	11,278,966	-	264,450,177	816,202,518	-	-	-	-
2035					264,450,177		-	11,781,452	-	276,231,629	848,793,167	-	-	-	-
2036					276,231,629		-	12,306,324	-	288,537,954	882,685,147	-	-	-	-
2037					288,537,954		-	12,854,580	-	301,392,534	917,930,421	-	-	-	-
2038					301,392,534		-	13,427,261	-	314,819,795	948,396,729	-	-	-	-
2039					314,819,795		-	14,025,456	-	328,845,251	990,494,015	-	-	-	-
2040					328,845,251		-	14,650,300	-	343,495,551	1,034,459,910	-	-	-	-
2041					343,495,551		-	15,302,982	-	358,798,533	1,080,377,356	-	-	-	-
2042					358,798,533		-	15,984,741	-	374,783,275	1,128,332,978	-	-	-	-
2043					374,783,275		-	16,696,873	-	391,480,148	1,178,417,247	-	-	-	-
2044					391,480,148		-	17,440,731	-	408,920,880	1,230,724,648	-	-	-	-
2045					408,920,880		-	18,217,729	-	427,138,609	1,285,353,863	-	-	-	-
2046					427,138,609		-	19,029,342	-	446,167,951	1,342,407,951	-	-	-	-
2047					446,167,951		-	19,877,114	-	466,045,065	1,401,994,546	-	-	-	-
2048					466,045,065		-	20,762,654	-	486,807,719	1,464,226,062	-	-	-	-
2049					486,807,719		-	21,687,646	-	508,495,364	1,529,219,901	-	-	-	-
2050					508,495,364		-	7,412,001	-	515,907,365	1,597,098,677	-	-	-	-
2051					515,907,365		-	7,520,041	-	523,427,407	1,667,990,445	-	-	-	-
2052					523,427,407		-	7,629,656	-	531,057,063	1,742,028,945	-	-	-	-
2053					531,057,063		-	7,740,868	-	538,797,931	1,819,353,856	-	-	-	-
2054					538,797,931		-	7,853,702	(1,767,995)	544,883,637	1,890,687,407	327,307,986	-	322,420,098	4,887,889
2055	83,500,774	53,132,265	135,825,275	165,868,079	544,883,637		-	7,942,409	(135,825,275)	417,000,772	1,959,374,460	529,203,289	-	165,868,079	10,537,282
2056	212,911,444	135,477,396	356,022,947	417,000,772	417,000,772		-	6,078,345	(356,022,947)	67,056,170	2,026,031,431	705,608,650	-	107,538,757	12,327,315
2057	202,221,216	128,675,111	347,611,864	74,388,150	67,056,170		-	977,434	(68,033,604)	-	2,092,196,054	825,474,722	-	74,388,150	11,522,718
2058	118,358,762	75,312,705	209,149,667	40,909,402	-		-	-	-	-	1,877,065,611	631,807,330	-	40,909,402	8,613,031
2059	98,444,089	62,640,827	178,827,910	51,702,119	-		-	-	-	-	1,729,987,427	472,180,096	-	51,702,119	6,586,539
2060	62,087,326	39,506,703	115,941,122	41,728,400	-		-	-	-	-	1,611,282,466	351,640,844	-	41,728,400	5,084,644
2061	41,778,497	26,584,019	80,200,347	29,320,547	-		-	-	-	-	1,554,486,531	282,512,767	-	29,320,547	4,119,474
2062	22,350,297	14,221,687	44,105,791	6,007,410	-		-	-	-	-	1,533,564,357	235,752,442	-	6,007,410	3,330,757
2063	27,477,652	17,484,268	55,741,779	6,175,557	-		-	-	-	-	1,550,129,741	200,984,818	-	6,175,557	2,718,029
2064	21,573,177	13,727,200	44,988,780	6,365,804	-		-	-	-	-	1,556,717,506	154,136,625	-	6,365,804	2,092,202
2065	14,745,706	9,382,820	31,611,460	6,526,103	-		-	-	-	-	1,575,795,906	117,605,850	-	6,526,103	1,642,226
2066	2,938,948	1,870,078	6,476,789	6,708,769	-		-	-	-	-	1,610,262,905	94,162,719	-	6,708,769	1,480,118
2067	2,938,948	1,870,078	6,658,074	6,896,547	-		-	-	-	-	1,672,264,865	95,874,816	-	6,896,547	1,507,546
2068	2,947,000	1,875,201	6,863,186	7,109,005	-		-	-	-	-	1,736,780,770	97,620,835	-	7,109,005	1,535,681
2069	2,938,948	1,870,078	7,036,010	7,288,019	-		-	-	-	-	1,803,896,489	99,402,335	-	7,288,019	1,564,093
2070	2,938,948	1,870,078	7,232,947	7,492,011	-		-	-	-	-	1,873,759,895	101,218,438	-	7,492,011	1,593,225
2071	2,938,948	1,870,078	7,435,398	7,701,712	-		-	-	-	-	1,946,466,912	103,070,725	-	7,701,712	1,622,950
2072	2,947,000	1,875,201	7,664,456	8,096,620	-		-	-	-	-	2,022,136,986	104,959,990	-	8,096,620	1,655,842
2073	2,938,948	1,870,078	7,857,456	9,759,468	-		-	-	-	-	2,100,868,335	107,047,995	-	9,759,468	1,711,242
2074	2,938,948	1,870,078	8,077,387	10,032,636	-		-	-	-	-	2,182,790,306	110,661,249	-	10,032,636	1,768,493
2075	2,938,948	1,870,078	8,303,473	10,313,449	-		-	-	-	-	2,268,013,428	114,384,990	-	10,313,449	1,827,488
2076	3,005,519	1,912,438	8,729,236	10,626,346	-		-	-	-	-	2,356,674,576	118,222,455	-	10,626,346	1,887,180
2077	3,524,138	2,242,440	10,522,008	10,898,876	-		-	-	-	-	2,448,720,905	122,006,745	-	10,898,876	1,935,092
2078	3,524,138	2,242,440	10,816,519	11,203,935	-		-	-	-	-	2,542,928,038	124,318,706	-	11,203,935	1,972,534
2079	3,524,138	2,242,440	11,119,274	11,517,534	-		-	-	-	-	2,640,943,590	126,678,656	-	11,517,534	2,010,770
2080	3,532,190	2,247,563	11,456,618	11,866,961	-		-	-	-	-	2,742,926,649	129,087,686	-	11,866,961	2,050,031
2081	3,524,138	2,242,440	11,750,442	12,171,308	-		-	-	-	-	2,849,015,991	131,548,060	-	12,171,308	2,089,717
2082	3,524,138	2,242,440	12,079,337	12,511,983	-		-	-	-	-	2,959,437,553	134,058,644	-	12,511,983	2,130,449
2083	3,524,138	2,242,440	12,417,437	12,862,194	-		-	-	-	-	3,074,345,765	136,621,740	-	12,862,194	2,172,052
2084	3,532,190	2,247,563	12,794,167	13,252,417	-		-	-	-	-	3,193,928,693	139,238,549	-	13,252,417	2,214,783
2085	3,524,138	2,242,440	13,122,294	13,592,296	-		-	-	-	-	3,318,352,175	141,911,582	-	13,592,296	2,257,972
2086	3,524,138	2,242,440	13,489,587	13,972,745	-		-	-	-	-	3,447,879,872	144,639,556	-	13,972,745	2,302,311
2087	3,524,138	2,242,440	13,867,160	14,363,842	-		-	-	-	-	3,582,696,095	147,425,026	-	14,363,842	2,347,606
2088	3,532,190	2,247,563	14,287,872	14,785,713	-		-	-	-	-	3,723,023,239	150,269,313	-	14,785,713	2,397,730
2089	3,524,138	2,242,440	14,654,308	-	-		-	-	-	-	3,765,068,097	152,668,097	-	-	56,967,353
2090	3,524,138	2,242,440	15,064,482	-	-		-	-	-	-	3,807,381,142	155,142,142	-	-	57,605,709
2091	3,524,138	2,242,440	15,486,137	-	-		-	-	-	-	3,849,922,369	157,605,709	-	-	58,247,438
2092	10,378,631	6,604,013	46,883,398	-	-		-	-	-	-	3,892,683,670	160,142,142	-	-	58,657,708
	1,002,242,229	637,735,410	1,923,940,388	1,326,667,202	-		-	-	-	-	(561,649,820)	-	-	4,855,935,415	(1,362,290,567)

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	QUALIFIED TRUST FUND												
	Est. Ending De-risked Balance	Beginning Balance Risked Qual Fund	Planned Contributions (Transfers)	Total Earnings	Current Year Earnings Taxable	Portfolio Turnover	Realized Earnings From Turnover	Total Earnings Taxed	Tax	Annual Funding Requirement	Transfer to De-Risked Fund	Estimated Ending Risked Balance	Ending Balance Qual Fund
2021	-	510,211,917	-	28,309,009	10,332,788	53,852,093	29,349,442	39,682,230	(7,936,446)	-	-	510,211,917	510,211,917
2022	-	530,584,480	-	29,439,377	10,745,373	56,002,386	30,521,353	41,266,726	(8,253,345)	-	-	530,584,480	530,584,480
2023	-	551,770,512	-	30,614,880	11,174,431	58,238,539	31,740,059	42,914,490	(8,582,898)	-	-	551,770,512	551,770,512
2024	-	573,802,494	-	31,837,320	11,620,622	60,563,981	33,007,427	44,628,049	(8,925,610)	-	-	573,802,494	573,802,494
2025	-	596,714,204	-	33,108,572	12,084,629	62,982,278	34,325,401	46,410,030	(9,282,006)	-	-	596,714,204	596,714,204
2026	-	620,540,770	-	34,430,584	12,567,163	65,497,135	35,696,001	48,263,164	(9,652,633)	-	-	620,540,770	620,540,770
2027	-	645,318,721	-	35,805,384	13,068,965	68,112,410	37,121,328	50,190,294	(10,038,059)	-	-	645,318,721	645,318,721
2028	-	671,086,046	-	37,235,079	13,590,804	70,832,113	38,603,569	52,194,373	(10,438,875)	-	-	671,086,046	671,086,046
2029	-	697,882,251	-	38,721,861	14,133,479	73,660,411	40,144,994	54,278,473	(10,855,695)	-	-	697,882,251	697,882,251
2030	-	725,748,417	-	40,268,010	14,697,824	76,601,643	41,747,968	56,445,792	(11,289,158)	-	-	725,748,417	725,748,417
2031	-	754,727,269	-	41,875,896	15,284,702	79,660,316	43,414,948	58,699,650	(11,739,930)	-	-	754,727,269	754,727,269
2032	-	784,863,235	-	43,547,984	15,895,014	82,841,122	45,148,490	61,043,504	(12,208,701)	-	-	784,863,235	784,863,235
2033	-	816,202,518	-	45,286,838	16,529,696	86,148,936	46,951,252	63,480,948	(12,696,190)	-	-	816,202,518	816,202,518
2034	-	848,793,167	-	47,095,124	17,189,720	89,588,829	48,825,997	66,015,717	(13,203,143)	-	-	848,793,167	848,793,167
2035	-	882,685,147	-	48,975,614	17,876,099	92,166,076	50,775,600	68,651,699	(13,730,340)	-	-	882,685,147	882,685,147
2036	-	917,930,421	-	50,931,191	18,589,885	96,886,161	52,734,534	70,789,395	(14,262,666)	-	-	917,930,421	917,930,421
2037	-	948,396,729	-	52,621,608	19,206,887	100,101,834	54,621,608	72,889,395	(14,799,395)	-	-	948,396,729	948,396,729
2038	-	980,494,015	-	54,957,368	20,059,439	104,545,138	56,497,368	75,000,439	(15,330,439)	-	-	980,494,015	980,494,015
2039	-	1,034,459,910	-	57,396,807	20,949,835	109,185,672	58,372,807	77,489,807	(15,862,807)	-	-	1,034,459,910	1,034,459,910
2040	-	1,080,377,356	-	59,944,528	21,879,753	114,032,188	60,364,775	79,944,528	(16,396,775)	-	-	1,080,377,356	1,080,377,356
2041	-	1,128,332,978	-	62,605,336	22,850,948	119,093,831	62,605,336	81,414,948	(16,931,228)	-	-	1,128,332,978	1,128,332,978
2042	-	1,178,417,247	-	65,384,252	23,865,252	124,380,150	64,380,150	83,414,948	(17,462,807)	-	-	1,178,417,247	1,178,417,247
2043	-	1,230,724,648	-	68,286,518	24,924,579	129,901,117	66,286,518	85,414,948	(17,993,340)	-	-	1,230,724,648	1,230,724,648
2044	-	1,285,353,863	-	71,317,610	26,030,927	135,667,147	68,286,518	87,448,948	(18,523,863)	-	-	1,285,353,863	1,285,353,863
2045	-	1,342,407,951	-	74,483,244	27,186,384	141,689,120	70,186,384	89,482,948	(19,054,384)	-	-	1,342,407,951	1,342,407,951
2046	-	1,401,994,546	-	77,789,395	28,393,129	147,978,394	72,789,395	91,482,948	(19,584,884)	-	-	1,401,994,546	1,401,994,546
2047	-	1,464,226,062	-	81,242,299	29,653,439	154,546,836	75,889,860	93,978,394	(20,115,394)	-	-	1,464,226,062	1,464,226,062
2048	-	1,529,219,901	-	84,848,469	30,969,691	161,406,837	78,848,469	96,478,394	(20,645,884)	-	-	1,529,219,901	1,529,219,901
2049	-	1,597,098,677	-	88,614,710	32,344,369	168,571,339	81,614,710	98,978,394	(21,176,394)	-	-	1,597,098,677	1,597,098,677
2050	-	1,667,990,445	-	92,548,126	33,780,066	176,053,857	84,548,126	100,478,394	(21,706,884)	-	-	1,667,990,445	1,667,990,445
2051	-	1,742,028,945	-	96,656,138	35,279,490	183,868,508	87,482,948	102,978,394	(22,237,394)	-	-	1,742,028,945	1,742,028,945
2052	-	1,819,353,856	-	100,101,834	36,805,079	191,978,394	90,414,948	105,478,394	(22,767,884)	-	-	1,819,353,856	1,819,353,856
2053	327,307,986	1,896,687,407	-	103,101,834	38,335,079	199,978,394	93,344,948	107,978,394	(23,298,394)	-	-	1,896,687,407	1,896,687,407
2054	529,202,289	1,969,889,696	-	106,101,834	40,865,079	207,978,394	96,274,948	110,478,394	(23,828,884)	-	-	1,969,889,696	1,969,889,696
2055	705,608,650	2,041,498,346	-	109,101,834	43,395,079	215,978,394	99,204,948	112,978,394	(24,359,374)	-	-	2,041,498,346	2,041,498,346
2056	825,474,722	2,113,973,068	-	112,101,834	45,925,079	223,978,394	102,134,948	115,478,394	(24,889,864)	-	-	2,113,973,068	2,113,973,068
2057	631,807,330	2,186,770,400	-	115,101,834	48,455,079	231,978,394	105,064,948	117,978,394	(25,420,354)	-	-	2,186,770,400	2,186,770,400
2058	472,180,096	2,259,950,496	-	118,101,834	50,985,079	239,978,394	107,994,948	120,478,394	(25,950,844)	-	-	2,259,950,496	2,259,950,496
2059	351,640,840	2,333,591,336	-	121,101,834	53,515,079	247,978,394	110,924,948	122,978,394	(26,481,334)	-	-	2,333,591,336	2,333,591,336
2060	282,512,767	2,407,104,073	-	124,101,834	56,045,079	255,978,394	113,854,948	125,478,394	(27,011,824)	-	-	2,407,104,073	2,407,104,073
2061	235,752,442	2,480,856,515	-	127,101,834	58,575,079	263,978,394	116,784,948	127,978,394	(27,542,314)	-	-	2,480,856,515	2,480,856,515
2062	200,984,818	2,554,841,333	-	130,101,834	61,105,079	271,978,394	119,714,948	130,478,394	(28,072,804)	-	-	2,554,841,333	2,554,841,333
2063	154,136,625	2,629,977,958	-	133,101,834	63,635,079	279,978,394	122,644,948	132,978,394	(28,603,294)	-	-	2,629,977,958	2,629,977,958
2064	117,605,850	2,705,183,808	-	136,101,834	66,165,079	287,978,394	125,574,948	135,478,394	(29,133,784)	-	-	2,705,183,808	2,705,183,808
2065	94,162,719	2,780,346,527	-	139,101,834	68,695,079	295,978,394	128,504,948	137,978,394	(29,664,274)	-	-	2,780,346,527	2,780,346,527
2066	95,874,816	2,855,221,343	-	142,101,834	71,225,079	303,978,394	131,434,948	140,478,394	(30,194,764)	-	-	2,855,221,343	2,855,221,343
2067	97,620,835	2,930,842,178	-	145,101,834	73,755,079	311,978,394	134,364,948	142,978,394	(30,725,254)	-	-	2,930,842,178	2,930,842,178
2068	99,402,335	3,006,444,513	-	148,101,834	76,285,079	319,978,394	137,294,948	145,478,394	(31,255,744)	-	-	3,006,444,513	3,006,444,513
2069	101,218,438	3,082,662,951	-	151,101,834	78,815,079	327,978,394	140,224,948	147,978,394	(31,786,234)	-	-	3,082,662,951	3,082,662,951
2070	103,070,725	3,159,733,676	-	154,101,834	81,345,079	335,978,394	143,154,948	150,478,394	(32,316,724)	-	-	3,159,733,676	3,159,733,676
2071	104,959,990	3,237,693,666	-	157,101,834	83,875,079	343,978,394	146,084,948	152,978,394	(32,847,214)	-	-	3,237,693,666	3,237,693,666
2072	107,047,995	3,316,741,661	-	160,101,834	86,405,079	351,978,394	149,014,948	155,478,394	(33,377,704)	-	-	3,316,741,661	3,316,741,661
2073	110,661,249	3,396,882,910	-	163,101,834	88,935,079	359,978,394	151,944,948	157,978,394	(33,908,194)	-	-	3,396,882,910	3,396,882,910
2074	114,384,990	3,478,067,900	-	166,101,834	91,465,079	367,978,394	154,874,948	160,478,394	(34,438,684)	-	-	3,478,067,900	3,478,067,900
2075	118,222,455	3,560,290,355	-	169,101,834	94,005,079	375,978,394	157,804,948	162,978,394	(34,969,174)	-	-	3,560,290,355	3,560,290,355
2076	122,066,745	3,643,547,100	-	172,101,834	96,535,079	383,978,394	160,734,948	165,478,394	(35,499,664)	-	-	3,643,547,100	3,643,547,100
2077	124,318,706	3,727,865,806	-	175,101,834	99,065,079	391,978,394	163,664,948	167,978,394	(36,030,154)	-	-	3,727,865,806	3,727,865,806
2078	126,678,656	3,813,544,462	-	178,101,834	101,595,079	400,000,000	166,595,000	170,478,394	(36,560,644)	-	-	3,813,544,462	3,813,544,462
2079	129,087,686	3,900,632,148	-	181,101,834	104,125,079	408,000,000	169,625,000	172,978,394	(37,091,134)	-	-	3,900,632,148	3,900,632,148
2080	131,548,060	3,989,180,208	-	184,101,834	106,655,079	416,000,000	172,655,000	175,478,394	(37,621,624)	-	-	3,989,180,208	3,989,180,208
2081	134,058,644	4,079,338,852	-	187,101,834	109,185,079	424,000,000	175,385,000	177,978,394	(38,152,114)	-	-	4,079,338,852	4,079,338,852
2082	136,621,740	4,171,160,592	-	190,101,834	111,715,079	432,000,000	178,415,000	180,478,394	(38,682,604)	-	-	4,171,160,592	4,171,160,592
2083	139,238,549	4,264,399,141	-	193,101,834	114,245,079	440,000,000	181,445,000	182,978,394	(39,213,094)	-	-	4,264,399,141	4,264,399,141
2084	141,911,582	4,359,610,723	-	196,101,834	116,775,079	448,000,000	184,475,000	185,478,394	(39,743,584)	-	-	4,359,610,723	4,359,610,723
2085	144,639,556	4,456,840,279	-	199,101,834	119,305,079	456,000,000	187,505,000	187,978,394	(40,274,074)	-	-	4,456,840,279	4,456,840,279
2086	147,425,026	4,556,265,305	-	202,101,834									

## Nuclear Decommissioning Expense - Harris

INPUTS - Harris (100% ownership)			
	Duke Energy Ownership	100.000%	
	NC Retail Allocation Factor	63.631%	
12/31/2021	Non Qual Trust Fund Balance	83,895,069	
12/31/2021	Qualified Trust Fund Balance	582,968,598	
12/31/2021	TTD Q Unrealized Gains (NCR Share)	338,135,076	
	After-Tax Rate of Return - NQ	1.87%	
	Pre-Tax Rate of Return - Q	5.79%	
	De-Risked Earnings - NQ (100% cash)	1.46%	
	De-Risked Earnings - Q (100% cash)	1.90%	
	Escalation Factor	2.67%	
	Qualified Fund Tax Rate	20.00%	
	Portfolio Turnover	10.00%	
	Portion of Portfolio Turnover- Realized	57.71%	
	Current Income Percentage (i.e., Dividend and Interest)	36.50%	

## RESULTS - NCR DECOMMISSIONING EXPENSE

Revenue Requirement - Non Qualified	-
Revenue Requirement - Qualified	-
Revenue Requirement - Total	-

DECOMMISSIONING COST ESTIMATES				NON-QUALIFIED TRUST FUND									
Cost Estimate (2021 dollars)	NCR % of Costs (2021 dollars)	Duke Cost Estimate Escalated To Year of Spend	Present Value of Escalated Spend	Projected Beginning NQ Trust Fund Balance	Planned Contributions (Transfers)	Annual Funding Requirement	After-Tax Earnings	Decommissioning Payments (Withdrawals)	Est. Ending NQ Fund Balance	Beginning Balance Qual Fund	Beginning Balance De-Risked Qual Fund	Transfers from Risked Fund	Total Earnings (AT) on De-Risked Portfolio
2021									83,895,069				
2022				83,895,069	-	1,571,443	-	-	85,466,513	582,968,598	-	-	-
2023				85,466,513	-	1,600,878	-	-	87,067,391	607,117,208	-	-	-
2024				87,067,391	-	1,630,864	-	-	88,698,255	632,266,137	-	-	-
2025				88,698,255	-	1,661,412	-	-	90,359,667	658,456,824	-	-	-
2026				90,359,667	-	1,692,532	-	-	92,052,199	685,732,421	-	-	-
2027				92,052,199	-	1,724,235	-	-	93,776,435	714,137,869	-	-	-
2028				93,776,435	-	1,756,532	-	-	95,532,966	743,719,970	-	-	-
2029				95,532,966	-	1,789,433	-	-	97,322,400	774,527,466	-	-	-
2030				97,322,400	-	1,822,951	-	-	99,145,351	806,611,118	-	-	-
2031				99,145,351	-	1,857,997	-	-	101,002,449	840,023,786	-	-	-
2032				101,002,449	-	1,891,883	-	-	102,894,331	874,820,525	-	-	-
2033				102,894,331	-	1,927,320	-	-	104,821,651	911,058,667	-	-	-
2034				104,821,651	-	1,963,420	-	-	106,785,071	948,797,921	-	-	-
2035				106,785,071	-	2,000,197	-	-	108,785,269	988,100,467	-	-	-
2036				108,785,269	-	2,037,663	-	-	110,822,932	1,029,031,063	-	-	-
2037				110,822,932	-	2,075,831	-	-	112,898,762	1,071,657,148	-	-	-
2038				112,898,762	-	2,114,713	-	-	115,013,476	1,111,001,074	-	-	-
2039				115,013,476	-	2,154,324	-	-	117,167,800	1,162,425,189	-	-	-
2040				117,167,800	-	2,194,677	-	-	119,362,476	1,216,229,535	-	-	-
2041				119,362,476	-	2,235,785	-	-	121,598,262	1,272,524,285	-	-	-
2042				121,598,262	-	2,277,664	-	-	123,875,926	1,331,424,710	-	-	-
2043				123,875,926	-	2,320,327	-	-	126,196,253	1,393,051,416	-	-	-
2044				126,196,253	-	2,363,789	-	-	128,560,042	1,457,530,594	-	-	-
2045				128,560,042	-	2,408,066	-	-	130,968,108	1,524,994,274	-	-	-
2046				130,968,108	-	2,453,171	-	-	133,421,279	1,595,580,598	-	-	-
2047				133,421,279	-	2,499,122	-	-	135,920,401	1,669,434,100	-	-	-
2048				135,920,401	-	2,545,933	-	-	138,466,334	1,746,706,006	-	-	-
2049				138,466,334	-	2,593,621	-	-	141,059,954	1,827,554,542	-	-	-
2050				141,059,954	-	2,642,202	-	-	143,702,157	1,912,145,257	-	-	-
2051				143,702,157	-	2,691,693	-	-	146,393,850	2,000,651,362	-	-	-
2052				146,393,850	-	2,742,112	-	-	149,135,962	2,093,254,086	-	-	-
2053				149,135,962	-	2,793,474	-	-	151,929,436	2,190,143,046	-	-	-
2054				151,929,436	-	2,845,799	-	-	154,775,235	2,291,516,636	-	-	-
2055				154,775,235	-	2,899,104	-	-	157,674,339	2,397,582,434	-	-	-
2056				157,674,339	-	2,953,407	-	-	160,627,746	2,508,557,623	-	-	-
2057				160,627,746	-	3,008,728	-	-	163,636,473	2,624,669,442	-	-	-
2058				163,636,473	-	3,065,084	-	-	166,701,557	2,746,155,646	-	-	-
2059				166,701,557	-	3,122,496	-	-	169,824,054	2,873,264,996	-	-	-
2060				169,824,054	-	3,180,984	-	-	173,005,038	3,006,257,765	-	-	-
2061				173,005,038	-	3,240,567	-	-	176,245,605	3,145,406,276	-	-	-
2062				176,245,605	-	2,569,016	-	-	178,814,621	3,290,995,454	-	-	-
2063			163,327,999	178,814,621	-	2,606,463	-	-	181,421,084	-	-	173,075,596	2,623,826
2064			430,473,342	181,421,084	-	2,644,455	-	-	184,065,539	3,424,239,276	2,623,826	430,473,342	6,565,753
2065			409,393,477	184,065,539	-	2,683,002	-	-	186,748,541	3,569,253,893	439,662,921	409,393,477	12,871,695
2066	23,806,052	15,147,997	49,494,174	186,748,541	-	2,722,110	-	(49,494,174)	3,708,033,430	861,928,092	403,676,406	19,186,564	19,186,564
2067	147,619,796	93,931,755	315,092,418	139,976,478	-	2,040,345	-	-	3,840,270,962	1,284,791,062	414,438,419	-	24,448,406
2068	211,786,734	134,761,733	464,107,671	-	-	-	-	-	3,970,744,634	1,550,602,291	222,230,328	-	23,358,206
2069	196,185,438	124,834,493	441,380,765	-	-	-	-	-	3,443,396,824	1,332,083,154	125,179,858	-	18,746,441
2070	188,422,419	119,894,817	435,217,001	-	-	-	-	-	3,112,693,260	1,034,628,688	124,350,357	-	14,271,177
2071	188,422,419	119,894,817	446,819,886	-	-	-	-	-	2,782,177,614	738,033,222	43,500,961	-	8,461,163
2072	98,412,271	62,620,580	239,593,931	-	-	-	-	-	2,436,421,248	343,175,461	16,426,464	-	3,635,443
2073	59,995,024	34,357,501	134,960,582	-	-	-	-	-	2,296,591,017	123,643,437	16,818,316	-	1,106,399
2074	52,244,392	33,243,559	134,066,269	-	-	-	-	-	2,262,536,053	6,607,570	17,266,692	-	(654,289)
2075	17,801,838	11,327,464	46,899,837	-	-	-	-	-	2,231,434,839	(110,846,295)	17,727,022	-	(1,767,189)
2076	6,547,620	4,166,307	17,709,919	-	-	-	-	-	2,290,362,792	(141,786,300)	18,249,486	-	(2,007,059)
2077	6,529,730	4,154,924	18,132,387	-	-	-	-	-	2,382,376,265	(143,255,791)	18,684,826	-	(2,025,909)
2078	6,529,730	4,154,924	18,615,797	-	-	-	-	-	2,478,255,156	(144,727,261)	19,182,964	-	(2,044,359)
2079	6,529,730	4,154,924	19,112,094	-	-	-	-	-	2,578,115,210	(146,204,453)	19,694,382	-	(2,062,762)
2080	6,547,620	4,166,307	19,675,380	-	-	-	-	-	2,682,127,416	(147,684,928)	20,274,830	-	(2,080,676)
2081	6,529,730	4,154,924	20,144,735	-	-	-	-	-	2,790,414,421	(149,166,155)	20,758,484	-	(2,099,357)
2082	6,529,730	4,154,924	20,681,793	-	-	-	-	-	2,903,271,767	(150,651,763)	21,311,905	-	(2,117,560)
2083	6,529,730	4,154,924	21,233,170	-	-	-	-	-	3,020,840,746	(152,139,211)	21,880,081	-	(2,135,676)
2084	6,547,620	4,166,307	21,858,970	-	-	-	-	-	3,143,324,615	(153,627,976)	22,524,947	-	(2,153,213)
2085	6,529,730	4,154,924	22,380,414	-	-	-	-	-	3,270,873,531	(155,115,212)	23,062,278	-	(2,171,566)
2086	6,529,730	4,154,924	22,977,076	-	-	-	-	-	3,403,830,383	(156,604,915)	23,677,118	-	(2,189,352)
2087	6,529,730	4,154,924	23,589,645	-	-	-	-	-	3,542,367,361	(158,094,224)	24,308,350	-	(2,207,003)
2088	6,547,620	4,166,307	24,284,897	-	-	-	-	-	3,686,726,198	(159,582,522)	25,472,100	-	(2,217,194)
2089	6,529,730	4,154,924	24,864,211	-	-	-	-	-	3,837,076,449	(160,612,512)	26,336,438	-	(2,186,196)
2090	6,529,730	4,154,924	25,527,091	-	-	-	-	-	3,993,729,491	(158,826,482)	29,605,217	-	(2,152,490)
2091	6,529,730	4,154,924	26,207,643	-	-	-	-	-	4,156,885,993	(156,900,845)	29,910,438	-	(2,123,829)
2092	6,664,658	4,240,779	27,462,321	-	-	-	-	-	4,326,839,256	(153,321,879)	30,783,812	-	(2,096,161)
2093	7,348,997	4,676,230	31,089,526	-	-	-	-	-	4,503,318,503	(154,096,550)	31,526,521	-	(2,093,820)
2094	7,348,997	4,676,230	31,918,372	-	-	-	-	-	4,684,250,363	(155,753,374)	32,367,018	-	(2,112,478)
2095	7,231,959	4,601,758	32,247,441	-	-	-	-	-	4,872,747,167	(157,417,207)	33,229,923	-	(2,127,115)
2096	7,249,848	4,613,141	33,189,055	-	-	-	-	-	5,069,662,155	(158,561,839)	34,200,225	-	(2,136,895)
2097	7,231,959	4,601,758	33,989,795	-	-	-	-	-	5,274,748,282	(159,687,564)	35,025,361	-	(2,147,522)
2098	7,231,959	4,601,758	34,895,962	-	-	-	-	-	5,488,529,631	(160,799,519)	93,770,686	-	(1,280,669)
2099	7,231,959	4,601,758	35,826,289	-	-	-	-	-	5,709,499,176	(160,205,464)	5,812,704,640	-	86,284,444
2100	7,249,848	4,613,141	36,872,404	-	-	-	-	-	5,759,957,331	5,759,957,331	-	-	87,041,460
2101	7,231,959	4,601,758	37,762,010	-	-	-	-	-	5,810,126,388	5,810,126,388	-	-	87,795,280
2102	18,858,788	12,000,010	101,097,305	-	-	-	-	-	5,860,159,657	5,860,159,657	-	-	88,073,703
2103	12,335,4												

QUALIFIED TRUST FUND												
Decommissioning Payments (Withdrawals)	Est. Ending De-risked Balance	Beginning Balance Risked Qual Fund	Planned Contributions (Transfers)	Total Earnings	Current Year Earnings Taxable	Portfolio Turnover	Realized Earnings From Turnover	Total Earnings Taxed	Annual Funding Requirement	Transfer to De-Risked Fund	Estimated Ending Risked Balance	Ending Balance Qual Fund
2021	-	-	-	33,729,315	12,311,200	61,669,791	35,592,329	47,903,529	(9,580,706)	-	582,968,598	582,968,598
2022	-	-	582,968,598	33,729,315	12,311,200	61,669,791	35,592,329	47,903,529	(9,580,706)	-	607,117,208	607,117,208
2023	-	-	607,117,208	33,126,502	12,821,173	64,224,371	37,066,689	49,887,862	(9,977,572)	-	632,266,137	632,266,137
2024	-	-	632,266,137	36,581,565	13,352,271	66,884,770	38,602,122	51,954,393	(10,390,879)	-	658,856,824	658,856,824
2025	-	-	658,856,824	39,096,902	13,902,307	69,655,307	40,201,157	54,106,526	(10,823,421)	-	685,732,421	685,732,421
2026	-	-	685,732,421	41,795,010	14,481,379	72,540,433	41,866,430	56,347,809	(11,260,562)	-	714,137,869	714,137,869
2027	-	-	714,137,869	44,318,488	15,081,248	75,545,636	43,600,685	58,681,933	(11,736,387)	-	743,719,970	743,719,970
2028	-	-	743,719,970	47,030,045	15,705,967	78,675,002	45,406,779	61,112,745	(12,222,549)	-	774,527,466	774,527,466
2029	-	-	774,527,466	44,812,501	16,356,563	81,933,997	47,287,687	63,644,250	(12,728,850)	-	806,611,118	806,611,118
2030	-	-	806,611,118	46,668,792	16,991,991	85,327,379	49,246,510	66,200,619	(13,246,912)	-	840,623,786	840,623,786
2031	-	-	840,623,786	48,601,978	17,739,722	88,862,576	51,286,473	69,026,195	(13,803,239)	-	874,820,525	874,820,525
2032	-	-	874,820,525	50,615,243	18,474,564	92,543,577	53,410,939	71,885,503	(14,377,101)	-	911,058,667	911,058,667
2033	-	-	911,058,667	52,711,904	19,239,845	96,377,057	55,623,408	74,863,253	(14,972,651)	-	948,797,921	948,797,921
2034	-	-	948,797,921	54,895,417	20,036,827	100,369,334	57,927,525	77,964,352	(15,592,870)	-	988,100,467	988,100,467
2035	-	-	988,100,467	57,149,738	20,862,827	104,526,981	60,327,087	81,193,910	(16,236,782)	-	1,029,031,063	1,029,031,063
2036	-	-	1,029,031,063	59,537,534	21,731,200	108,856,860	62,826,407	84,557,247	(16,911,449)	-	1,071,657,148	1,071,657,148
2037	-	-	1,071,657,148	62,003,788	22,631,383	113,366,094	66,967,928	89,299,311	(17,629,862)	-	1,111,001,074	1,111,001,074
2038	-	-	1,111,001,074	64,280,144	23,462,252	118,528,122	70,481,789	94,280,144	(18,356,029)	-	1,162,425,189	1,162,425,189
2039	-	-	1,162,425,189	67,255,433	24,548,233	122,968,062	74,207,200	99,255,433	(19,145,087)	-	1,216,229,535	1,216,229,535
2040	-	-	1,216,229,535	70,368,437	25,684,480	128,639,797	78,643,953	104,368,437	(19,977,687)	-	1,272,524,285	1,272,524,285
2041	-	-	1,272,524,285	73,625,531	26,873,319	134,614,982	82,562,212	110,435,531	(20,823,106)	-	1,331,424,710	1,331,424,710
2042	-	-	1,331,424,710	77,033,383	28,117,185	140,845,809	88,916,198	117,033,383	(21,696,677)	-	1,393,051,416	1,393,051,416
2043	-	-	1,393,051,416	80,598,973	29,418,625	147,365,039	91,180,348	123,598,973	(22,611,795)	-	1,457,530,594	1,457,530,594
2044	-	-	1,457,530,594	84,329,600	30,780,304	154,186,019	93,549,296	134,329,600	(23,599,276)	-	1,524,994,274	1,524,994,274
2045	-	-	1,524,994,274	88,232,904	32,205,010	161,322,904	96,327,894	141,632,904	(24,569,598)	-	1,595,580,598	1,595,580,598
2046	-	-	1,595,580,598	92,136,678	33,660,660	168,789,748	98,621,217	149,643,376	(25,639,430)	-	1,669,434,100	1,669,434,100
2047	-	-	1,669,434,100	96,589,883	35,255,307	176,602,398	103,334,576	156,589,883	(26,793,977)	-	1,746,706,006	1,746,706,006
2048	-	-	1,746,706,006	101,060,670	36,887,145	184,776,668	107,613,526	164,060,670	(28,021,213)	-	1,827,554,542	1,827,554,542
2049	-	-	1,827,554,542	105,738,393	38,594,514	193,325,294	113,743,880	175,738,393	(29,314,679)	-	1,912,145,257	1,912,145,257
2050	-	-	1,912,145,257	110,432,631	40,380,910	202,277,780	121,705,211	190,632,631	(30,665,362)	-	2,000,651,362	2,000,651,362
2051	-	-	2,000,651,362	115,753,405	42,249,993	211,640,477	127,503,410	203,553,405	(31,950,681)	-	2,093,254,086	2,093,254,086
2052	-	-	2,093,254,086	121,111,200	44,205,588	221,436,529	130,965,627	212,111,200	(33,242,224)	-	2,190,143,046	2,190,143,046
2053	-	-	2,190,143,046	126,716,988	46,251,701	231,686,003	140,745,887	226,716,988	(34,593,398)	-	2,291,516,636	2,291,516,636
2054	-	-	2,291,516,636	132,582,247	48,409,882	242,409,882	149,189,727	236,516,449	(36,002,544)	-	2,397,582,434	2,397,582,434
2055	-	-	2,397,582,434	138,718,987	50,632,430	253,630,142	158,086,557	248,718,987	(37,469,572)	-	2,508,557,623	2,508,557,623
2056	-	-	2,508,557,623	145,139,774	52,976,017	265,349,770	163,761,756	254,139,774	(38,982,055)	-	2,624,669,442	2,624,669,442
2057	-	-	2,624,669,442	151,857,755	55,428,081	277,652,720	169,429,674	263,377,755	(40,549,755)	-	2,746,155,646	2,746,155,646
2058	-	-	2,746,155,646	158,886,687	57,993,641	290,633,596	180,893,046	276,886,687	(42,167,331)	-	2,873,264,996	2,873,264,996
2059	-	-	2,873,264,996	166,420,962	60,563,011	303,956,246	193,562,962	290,562,962	(43,837,756)	-	3,006,257,756	3,006,257,756
2060	-	-	3,006,257,756	173,935,638	63,486,508	318,019,340	206,449,130	303,935,638	(45,567,128)	-	3,145,406,276	3,145,406,276
2061	-	-	3,145,406,276	181,986,473	66,425,063	332,739,275	215,561,411	318,986,473	(47,359,295)	-	3,290,995,454	3,290,995,454
2062	-	-	3,290,995,454	190,409,952	69,499,632	348,140,541	220,910,319	330,409,952	(49,208,919)	-	3,443,323,416	3,443,323,416
2063	-	-	2,623,826	3,443,323,416	189,209,538	536,328,891	220,148,057	338,209,538	(51,141,908)	-	3,612,154,540	3,612,154,540
2064	-	-	439,661,826	3,421,615,450	173,061,079	579,940,985	230,983,785	349,661,079	(53,147,342)	-	3,799,900,972	3,799,900,972
2065	-	-	861,928,092	3,129,590,972	157,384,804	574,455,453	238,091,054	357,384,804	(55,281,966)	-	3,999,393,477	3,999,393,477
2066	-	-	1,284,791,062	2,846,105,338	141,313,709	51,579,504	70,418,311	89,734,205	(57,466,742)	-	4,214,313,709	4,214,313,709
2067	(173,075,596)	-	1,550,602,291	2,555,479,900	123,876,077	42,514,768	68,274,016	78,661,309	(59,736,077)	-	4,448,438,419	4,448,438,419
2068	(464,107,671)	-	1,332,083,154	2,240,142,342	116,752,009	40,614,205	67,919,769	77,147,564	(61,735,214)	-	4,734,396,824	4,734,396,824
2069	(441,280,636)	-	1,029,462,870	2,113,114,930	104,409,409	37,902,470	64,904,049	74,912,470	(63,858,966)	-	5,075,126,858	5,075,126,858
2070	(435,217,001)	-	738,033,222	2,078,604,572	113,037,722	41,258,769	63,460,587	71,778,953	(66,267,544)	-	5,482,143,392	5,482,143,392
2071	(446,819,886)	-	343,175,461	2,044,144,392	115,752,946	42,249,825	63,503,121	71,752,946	(68,730,589)	-	5,903,245,787	5,903,245,787
2072	(239,593,931)	-	123,643,437	2,093,245,787	120,160,320	43,858,517	72,767,074	76,301,803	(71,404,062)	-	6,329,747,580	6,329,747,580
2073	(154,960,582)	-	6,007,570	2,172,947,580	124,749,023	45,533,594	246,587,976	275,639,023	(74,290,805)	-	6,822,536,035	6,822,536,035
2074	(134,046,669)	-	110,866,283	2,255,928,843	129,524,179	47,251,854	253,817,954	287,847,179	(77,266,693)	-	7,342,214,839	7,342,214,839
2075	(46,899,837)	-	(141,786,300)	2,342,281,134	134,493,725	49,090,209	265,404,508	285,403,515	(80,269,745)	-	7,882,149,092	7,882,149,092
2076	(17,709,919)	-	(143,253,791)	2,432,149,092	139,663,063	50,977,018	275,430,702	288,686,045	(82,936,613)	-	8,406,236,056	8,406,236,056
2077	(18,132,387)	-	(144,727,261)	2,525,630,056	145,046,484	52,941,967	285,752,480	302,104,517	(85,684,826)	-	8,927,982,417	8,927,982,417
2078	(18,615,797)	-	(146,204,453)	2,622,982,457	150,659,246	54,987,246	296,542,382	316,652,916	(88,464,179)	-	9,489,166,636	9,489,166,636
2079	(19,172,094)	-	(147,724,963)	2,724,193,663	156,483,829	57,774,731	307,744,731	328,853,829	(91,366,721)	-	10,000,000,000	10,000,000,000
2080	(19,675,380)	-	(149,166,155)	2,829,812,344	162,553,826	59,332,146	319,511,447	332,221,679	(94,330,766)	-	10,543,330,770	10,543,330,770
2081	(20,144,735)	-	(150,651,763)	2,939,580,575	168,876,798	61,640,031	331,604,221	347,236,766	(97,466,879)	-	11,099,797,649	11,099,797,649
2082	(20,681,793)	-	(152,139,211)	3,053,923,530	175,460,416	64,043,052	344,250,300	357,490,416	(100,642,662)	-	12,676,040,311	12,676,040,311
2083	(21,236,976)	-	(153,679,938)	3,179,593,500	182,153,893	66,519,872	357,499,872	370,719,893	(103,902,882)	-	13,849,943,193	13,849,943,193
2084	(21,838,970)	-	(155,152,121)	3,296,952,592	189,451,574	69,101,544	371,165,344	384,201,322	(107,154,374)	-	15,099,097,566	15,099,097,566
2085	(22,380,414)	-	(156,604,915)	3,425,988,743	196,886,040	71,863,405	385,349,756	398,022,636	(110,449,800)	-	16,424,547,366	16,424,547,366
2086	(22,977,076)	-	(158,040,224)	3,560,435,928	204,629,257	74,689,679	400,183,574	412,939,578	(113,792,578)	-	17,847,340,944	17,847,340,944
2087	(23,599,645)	-	(159,582,720)	3,700,461,332	212,694,356	77,633,440	415,623,944	425,060,916	(117,145,893)	-	19,368,486,857	19,368,486,857
2088	(24,264,867)	-	(161,160,257)	3,846,208,720	221,065,427	80,688,881	430,736,546	440,736,546	(120,542,085)	-	20,999,228,903	20,999,228,903
2089	(24,864,211)	-	(158,826,882)	3,997,688,962	229,629,311	83,814,698	451,568,265	458,162,625	(123,982,861)	-	22,749,211,764	22,749,211,764
20												



**DE Progress Nuclear Decommissioning Cost Estimates**  
**Per 12/31/2019 TLG Site-Specific Studies (DECON Alternative)**  
**HB Robinson at 100% ownership percentage**

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NEW CF Year assuming license extension	HB Robinson (100%)					Reflected in decom study-ORIGINALLY
	License Termination	Spent Fuel	Total Contaminated	Site Restoration	Total Decommissioning Cost Estimate	
	Table 3.2a	Table 3.2b		Table 3.2c	Table 3.2	
	A1	B1	C1=A1+B1	D1	E1 = C1+D1	
2050	37,693	912	38,605	168	38,772	2030
2051	142,199	2,162	144,360	689	145,050	2031
2052	145,761	17,990	163,751	1,040	164,791	2032
2053	128,257	15,477	143,734	1,067	144,802	2033
2054	85,311	249	85,559	1,205	86,764	2034
2055	85,311	249	85,559	1,205	86,764	2035
2056	34,961	4,401	39,362	4,913	44,275	2036
2057	3,284	4,924	8,207	28,362	36,569	2037
2058	2,726	5,064	7,790	23,544	31,334	2038
2059	-	5,751	5,751	-	5,751	2039
2060	-	5,767	5,767	-	5,767	2040
2061	-	5,751	5,751	-	5,751	2041
2062	-	5,751	5,751	-	5,751	2042
2063	-	5,751	5,751	-	5,751	2043
2064	-	5,767	5,767	-	5,767	2044
2065	-	5,751	5,751	-	5,751	2045
2066	-	5,751	5,751	-	5,751	2046
2067	-	5,751	5,751	-	5,751	2047
2068	-	5,767	5,767	-	5,767	2048
2069	-	6,180	6,180	-	6,180	2049
2070	-	6,288	6,288	-	6,288	2050
2071	-	6,932	6,932	-	6,932	2051
2072	-	6,089	6,089	-	6,089	2052
2073	-	6,825	6,825	-	6,825	2053
2074	-	6,825	6,825	-	6,825	2054
2075	-	6,825	6,825	-	6,825	2055
2076	11,583	6,524	18,108	-	18,108	2056
2077	7,344	-	7,344	3,403	10,748	2057
2078	-	-	-	-	-	2058
	<b>684,430</b>	<b>161,472</b>	<b>845,901</b>	<b>65,597</b>	<b>911,498</b>	

Note: Amounts are in 2019 \$'s and are in thousands

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**DE Progress Nuclear Decommissioning Cost Estimates**  
**Per 12/31/2019 TLG Site-Specific Studies (DECON Alternative)**  
**Brunswick at 100% ownership percentage**

NEW CF Year assuming license extension	Brunswick UNIT 1 (100%)				
	License Termination	Spent Fuel	Total Contaminated	Site Restoration	Total Decommissioning Cost Estimate
	Table 3.2a	Table 3.2b		Table 3.2c	Table 3.2
	A1	B1	C1=A1+B1	D1	E1 = C1+D1
2054	-	-	-	-	-
2055	-	-	-	-	-
2056	21,545	4,536	26,081	43	26,124
2057	103,971	14,006	117,977	166	118,143
2058	178,085	4,601	182,687	1,060	183,746
2059	181,026	12,738	193,765	2,137	195,902
2060	193,026	44,277	237,303	4,891	242,194
2061	43,569	194	43,762	7	43,769
2062	48,702	2,449	51,151	69	51,221
2063	11,293	3,933	15,226	20,313	35,539
2064	25	4,589	4,614	29,155	33,769
2065	16	4,092	4,107	18,481	22,588
2066	-	3,246	3,246	-	3,246
2067	-	3,246	3,246	-	3,246
2068	-	3,255	3,255	-	3,255
2069	-	3,246	3,246	-	3,246
2070	-	3,246	3,246	-	3,246
2071	-	3,246	3,246	-	3,246
2072	-	3,255	3,255	-	3,255
2073	-	3,246	3,246	-	3,246
2074	-	3,246	3,246	-	3,246
2075	-	3,246	3,246	-	3,246
2076	-	3,308	3,308	-	3,308
2077	-	3,783	3,783	-	3,783
2078	-	3,783	3,783	-	3,783
2079	-	3,783	3,783	-	3,783
2080	-	3,792	3,792	-	3,792
2081	-	3,783	3,783	-	3,783
2082	-	3,783	3,783	-	3,783
2083	-	3,783	3,783	-	3,783
2084	-	3,792	3,792	-	3,792
2085	-	3,783	3,783	-	3,783
2086	-	3,783	3,783	-	3,783
2087	-	3,783	3,783	-	3,783
2088	-	3,792	3,792	-	3,792
2089	-	3,783	3,783	-	3,783
2090	-	3,783	3,783	-	3,783
2091	-	3,783	3,783	-	3,783
2092	6,453	3,619	10,073	-	10,073
2093	16,782	-	16,782	5,165	21,947
	<b>804,493</b>	<b>191,586</b>	<b>996,079</b>	<b>81,486</b>	<b>1,077,566</b>

Note: Amounts are in 2019 \$'s and are in thousands

NEW CF Year assuming license extension	Brunswick UNIT 2 (100%)					Total
						Decommissioning
	License Termination	Spent Fuel	Total Contaminated	Site Restoration		Cost Estimate
	Table 3.3a	Table 3.3b		Table 3.3c		Table 3.3
	A2	B2	C2=A2+B2	D2		E2 = C2+D2
2054	997	23	1,021	4		1,025
2055	74,586	1,691	76,276	330		76,606
2056	187,186	7,342	194,527	804		195,332
2057	171,463	13,013	184,476	1,048		185,524
2058	102,563	3,447	106,010	2,576		108,586
2059	75,480	12,795	88,276	2,040		90,316
2060	13,226	43,735	56,961	-		56,961
2061	35,878	2,451	38,329	-		38,329
2062	18,061	2,444	20,505	-		20,505
2063	10,724	3,550	14,274	10,935		25,209
2064	59	4,038	4,097	15,695		19,792
2065	37	3,542	3,580	9,949		13,528
2066	-	2,696	2,696	-		2,696
2067	-	2,696	2,696	-		2,696
2068	-	2,704	2,704	-		2,704
2069	-	2,696	2,696	-		2,696
2070	-	2,696	2,696	-		2,696
2071	-	2,696	2,696	-		2,696
2072	-	2,704	2,704	-		2,704
2073	-	2,696	2,696	-		2,696
2074	-	2,696	2,696	-		2,696
2075	-	2,696	2,696	-		2,696
2076	-	2,757	2,757	-		2,757
2077	-	3,233	3,233	-		3,233
2078	-	3,233	3,233	-		3,233
2079	-	3,233	3,233	-		3,233
2080	-	3,241	3,241	-		3,241
2081	-	3,233	3,233	-		3,233
2082	-	3,233	3,233	-		3,233
2083	-	3,233	3,233	-		3,233
2084	-	3,241	3,241	-		3,241
2085	-	3,233	3,233	-		3,233
2086	-	3,233	3,233	-		3,233
2087	-	3,233	3,233	-		3,233
2088	-	3,241	3,241	-		3,241
2089	-	3,233	3,233	-		3,233
2090	-	3,233	3,233	-		3,233
2091	-	3,233	3,233	-		3,233
2092	6,432	3,089	9,522	-		9,522
2093	-	-	-	-		-
	696,692	179,415	876,108	43,381		919,488

NEW CF Year assuming license extension	TOTAL Brunswick (100%)					Reflected in decom study- ORIGINALLY
	License Termination	Spent Fuel	Total Contaminated	Site Restoration	Total Decommissioning Cost Estimate	
	A4=A1+A2	B4=B1+B2	C4=A4+B4	D4=D1+D2	E4 = C4+D4	
2054	997	23	1,021	4	1,025	2034
2055	74,586	1,691	76,276	330	76,606	2035
2056	208,731	11,878	220,608	848	221,456	2036
2057	275,434	27,019	302,453	1,213	303,667	2037
2058	280,648	8,049	288,697	3,636	292,333	2038
2059	256,507	25,534	282,040	4,177	286,218	2039
2060	206,252	88,012	294,264	4,891	299,155	2040
2061	79,447	2,645	82,091	7	82,098	2041
2062	66,763	4,893	71,656	69	71,725	2042
2063	22,017	7,483	29,500	31,248	60,748	2043
2064	83	8,628	8,711	44,850	53,561	2044
2065	53	7,634	7,687	28,429	36,116	2045
2066	-	5,942	5,942	-	5,942	2046
2067	-	5,942	5,942	-	5,942	2047
2068	-	5,958	5,958	-	5,958	2048
2069	-	5,942	5,942	-	5,942	2049
2070	-	5,942	5,942	-	5,942	2050
2071	-	5,942	5,942	-	5,942	2051
2072	-	5,958	5,958	-	5,958	2052
2073	-	5,942	5,942	-	5,942	2053
2074	-	5,942	5,942	-	5,942	2054
2075	-	5,942	5,942	-	5,942	2055
2076	-	6,066	6,066	-	6,066	2056
2077	-	7,016	7,016	-	7,016	2057
2078	-	7,016	7,016	-	7,016	2058
2079	-	7,016	7,016	-	7,016	2059
2080	-	7,032	7,032	-	7,032	2060
2081	-	7,016	7,016	-	7,016	2061
2082	-	7,016	7,016	-	7,016	2062
2083	-	7,016	7,016	-	7,016	2063
2084	-	7,032	7,032	-	7,032	2064
2085	-	7,016	7,016	-	7,016	2065
2086	-	7,016	7,016	-	7,016	2066
2087	-	7,016	7,016	-	7,016	2067
2088	-	7,032	7,032	-	7,032	2068
2089	-	7,016	7,016	-	7,016	2069
2090	-	7,016	7,016	-	7,016	2070
2091	-	7,016	7,016	-	7,016	2071
2092	12,886	6,709	19,594	-	19,594	2072
2093	16,782	-	16,782	5,165	21,947	2073
	1,501,185	371,002	1,872,187	124,867	1,997,054	

**DE Progress Nuclear Decommissioning Cost Estimates**  
**Per 12/31/2019 TLG Site-Specific Studies (DECON Alternative)**  
**Shearon Harris at 100% ownership percentage**

NEW CF Year assuming license extension	Harris (100%)					Reflected in decom study- ORIGINALLY
	License Termination	Spent Fuel	Total Contaminated	Site Restoration	Total Decommissioning Cost Estimate	
	Table 3.2a	Table 3.2b		Table 3.2c	Table 3.2	
	A1	B1	C1=A1+B1	D1	E1 = C1+D1	
2066	16,887	4,878	21,765	75	21,840	2046
2067	108,130	26,773	134,903	528	135,431	2047
2068	163,313	28,901	192,213	2,086	194,300	2048
2069	143,564	33,032	176,596	3,390	179,987	2049
2070	105,774	59,350	165,124	7,740	172,865	2050
2071	105,774	59,350	165,124	7,740	172,865	2051
2072	85,579	4,708	90,286	-	90,286	2052
2073	14,813	4,987	19,801	29,736	49,537	2053
2074	3,381	5,081	8,463	39,468	47,931	2054
2075	834	5,766	6,600	9,732	16,332	2055
2076	-	6,007	6,007	-	6,007	2056
2077	-	5,991	5,991	-	5,991	2057
2078	-	5,991	5,991	-	5,991	2058
2079	-	5,991	5,991	-	5,991	2059
2080	-	6,007	6,007	-	6,007	2060
2081	-	5,991	5,991	-	5,991	2061
2082	-	5,991	5,991	-	5,991	2062
2083	-	5,991	5,991	-	5,991	2063
2084	-	6,007	6,007	-	6,007	2064
2085	-	5,991	5,991	-	5,991	2065
2086	-	5,991	5,991	-	5,991	2066
2087	-	5,991	5,991	-	5,991	2067
2088	-	6,007	6,007	-	6,007	2068
2089	-	5,991	5,991	-	5,991	2069
2090	-	5,991	5,991	-	5,991	2070
2091	-	5,991	5,991	-	5,991	2071
2092	-	6,114	6,114	-	6,114	2072
2093	-	6,742	6,742	-	6,742	2073
2094	-	6,742	6,742	-	6,742	2074
2095	-	6,635	6,635	-	6,635	2075
2096	-	6,651	6,651	-	6,651	2076
2097	-	6,635	6,635	-	6,635	2077
2098	-	6,635	6,635	-	6,635	2078
2099	-	6,635	6,635	-	6,635	2079
2100	-	6,651	6,651	-	6,651	2080
2101	-	6,635	6,635	-	6,635	2081
2102	11,207	6,095	17,302	-	17,302	2082
2103	6,932	-	6,932	4,385	11,317	2083
2104	-	-	-	-	-	2084
2105	-	-	-	-	-	2085
2106	-	-	-	-	-	2086
	766,188	400,912	1,167,100	104,881	1,271,982	

Note: Amounts are in 2019 \$'s and are in thousands

**DEP 12/31/21 North Carolina Retail NDTF Balances per BNY Mellon Trustee Statements**  
**Accrued Market Balance for NCUC Sub Accounts**

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	<b>Q Unit Balances</b>	<b>NQ Unit Balances</b>	<b>NQ General Balances</b>	<b>Total</b>
Robinson	695,436,735	18,238,061	-	713,674,796
Brunswick 1	479,764,236	159,254,615	9,496,731	648,515,581
Brunswick 2	510,211,917	142,309,984	7,748,244	660,270,145
Harris	582,968,598	66,304,929	17,590,140	666,863,668
<b>Total</b>	<b>2,268,381,487</b>	<b>386,107,588</b>	<b>34,835,114</b>	<b>2,689,324,190</b>

Historical/Projected DEP Production Demand Allocation Factors

	NC Retail		
1988	64.970%	2039	62.203%
1989	64.821%	2040	62.203%
1990	64.672%	2041	62.203%
1991	64.523%	2042	62.203%
1992	64.375%	2043	62.203%
1993	63.858%	2044	62.203%
1994	63.858%	2045	62.203%
1995	63.858%	2046	62.203%
1996	68.590%	2047	62.203%
1997	68.590%	2048	62.203%
1998	68.590%	2049	62.203%
1999	67.588%	2050	62.203%
2000	66.969%	2051	62.203%
2001	67.945%	2052	62.203%
2002	67.785%	2053	62.203%
2003	67.828%	2054	62.203%
2004	68.486%	2055	62.203%
2005	68.210%	2056	62.203%
2006	68.015%	2057	62.203%
2007	67.947%	2058	62.203%
2008	67.513%		<b>63.631%</b>
2009	67.409%		
2010	67.839%		
2011	68.463%		
2012	64.454%		
2013	63.792%		
2014	64.507%		
2015	63.844%		
2016	60.601%		
2017	61.337%		
2018	61.528%		
2019	60.751%		
2020	61.577%		
2021	62.203%		
2022	62.203%		
2023	62.203%		
2024	62.203%		
2025	62.203%		
2026	62.203%		
2027	62.203%		
2028	62.203%		
2029	62.203%		
2030	62.203%		
2031	62.203%		
2032	62.203%		
2033	62.203%		
2034	62.203%		
2035	62.203%		
2036	62.203%		
2037	62.203%		
2038	62.203%		

## Summary of Returns and Escalation Rates

Robinson		Treasury inputs
Duke Energy Ownership	100.00%	
TOTAL Non Qual Trust Fund Balance	25,542,490	
TOTAL Qualified Trust Fund Balance	1,039,533,915	
TOTAL Unrealized Gains Qualified	580,570,580	
Share of Unrealized Gains Qualified	391,298,088	
Pre-Tax Rate of Return - Q	5.66%	
After-Tax Rate of Return - Q	4.53%	
Pre-Tax De-Risked Rate of Return - Q (100% cash)	1.90%	
After-Tax De-Risked Rate of Return - Q (100% cash)	1.52%	
Pre-Tax Rate of Return - NQ	2.02%	
After-Tax Rate of Return - NQ	1.98%	
Pre-Tax De-Risked Rate of Return - NQ (100% cash)	1.90%	
After-Tax De-Risked Rate of Return - NQ (100% cash)	1.46%	
Escalation Factor	2.82%	
Portfolio Turnover	10.00%	
Portion of Portfolio Turnover- Realized	55.85%	
Current Income Percentage (i.e., Dividend and Interest)	36.5%	

Brunswick 1		
Duke Energy Ownership	100.00%	
TOTAL Non Qual Trust Fund Balance	230,825,557	
TOTAL Qualified Trust Fund Balance	755,898,008	
Unrealized Gains Qualified	392,805,609	
Share of Unrealized Gains Qualified	248,522,033	
Pre-Tax Rate of Return - Q	5.54%	
After-Tax Rate of Return - Q	4.44%	
Pre-Tax De-Risked Rate of Return - Q (100% cash)	1.90%	
After-Tax De-Risked Rate of Return - Q (100% cash)	1.52%	
Pre-Tax Rate of Return - NQ	5.59%	
After-Tax Rate of Return - NQ	4.65%	
Pre-Tax De-Risked Rate of Return - NQ (100% cash)	1.90%	
After-Tax De-Risked Rate of Return - NQ (100% cash)	1.46%	
Escalation Factor	2.85%	
Portfolio Turnover	10.00%	
Portion of Portfolio Turnover- Realized	51.97%	
Current Income Percentage (i.e., Dividend and Interest)	36.5%	

Harris 1		
Duke Energy Ownership	100.00%	
TOTAL Non Qual Trust Fund Balance	91,804,597	
TOTAL Qualified Trust Fund Balance	845,853,829	
Unrealized Gains Qualified	488,179,180	
Share of Unrealized Gains Qualified	338,135,076	
Pre-Tax Rate of Return - Q	5.79%	
After-Tax Rate of Return - Q	4.63%	
Pre-Tax De-Risked Rate of Return - Q (100% cash)	1.90%	
After-Tax De-Risked Rate of Return - Q (100% cash)	1.52%	
Pre-Tax Rate of Return - NQ	1.97%	
After-Tax Rate of Return - NQ	1.87%	
Pre-Tax De-Risked Rate of Return - NQ (100% cash)	1.90%	
After-Tax De-Risked Rate of Return - NQ (100% cash)	1.46%	
Escalation Factor	2.67%	
Portfolio Turnover	10.00%	
Portion of Portfolio Turnover- Realized	57.71%	
Current Income Percentage (i.e., Dividend and Interest)	36.50%	

Brunswick 2		
Duke Energy Ownership	100.00%	
TOTAL Non Qual Trust Fund Balance	226,476,558	
TOTAL Qualified Trust Fund Balance	819,113,019	
Unrealized Gains Qualified	446,417,374	
Share of Unrealized Gains Qualified	279,006,836	
Pre-Tax Rate of Return - Q	5.55%	
After-Tax Rate of Return - Q	4.44%	
Pre-Tax De-Risked Rate of Return - Q (100% cash)	1.90%	
After-Tax De-Risked Rate of Return - Q (100% cash)	1.52%	
Pre-Tax Rate of Return - NQ	5.26%	
After-Tax Rate of Return - NQ	4.46%	
Pre-Tax De-Risked Rate of Return - NQ (100% cash)	1.90%	
After-Tax De-Risked Rate of Return - NQ (100% cash)	1.46%	
Escalation Factor	2.80%	
Portfolio Turnover	10.00%	
Portion of Portfolio Turnover- Realized	54.50%	
Current Income Percentage (i.e., Dividend and Interest)	36.5%	