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10 CFR 50.75(f)(1)  
10 CFR 50.4

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555-0001

Brunswick Steam Electric Plant, Units 1 And 2, Docket Nos. 50-325, 50-324  
Catawba Nuclear Station, Units 1 And 2, Docket Nos. 50-413, 50-414  
Shearon Harris Nuclear Power Plant, Unit 1, Docket No. 50-400  
McGuire Nuclear Station, Units 1 And 2, Docket Nos. 50-369, 50-370  
Oconee Nuclear Station, Units 1, 2 And 3, Docket Nos. 50-269, 50-270, 50-287  
H.B. Robinson Steam Electric Plant, Unit 2, Docket No. 50-261

**SUBJECT: Biennial Decommissioning Financial Assurance Reports**

Ladies and Gentlemen:

Pursuant to 10 CFR 50.75(f)(1), Duke Energy Progress, LLC and Duke Energy Carolinas, LLC, collectively referred to henceforth as "Duke Energy," is submitting the required Decommissioning Financial Assurance reports for Brunswick Steam Electric Plant (BNP), Units 1 and 2; Catawba Nuclear Station (CNS), Units 1 and 2; Shearon Harris Nuclear Power Plant, Unit 1 (HNP); McGuire Nuclear Station, Units 1 and 2 (MNS); Oconee Nuclear Station, Units 1, 2 and 3 (ONS); and H.B. Robinson Steam Electric Plant, Unit 2 (RNP). Enclosed are the required reports. The report for each nuclear plant contains the following information:

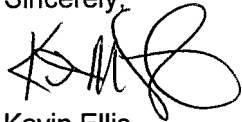
- (1) Amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c).
- (2) Amount accumulated to the end of the calendar year preceding the date of the report.
- (3) Schedule of annual amounts remaining to be collected.
- (4) Assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds and rates of other factors used in funding projections.
- (5) Contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v).
- (6) Modifications occurring to a licensee's current method of providing financial assurance since the last submitted report.
- (7) Material changes to trust agreements.

The adjustment factors for labor rates and energy costs used in Item (1) for the calculation in 10 CFR 50.75(c)(2) are determined using the latest available 2022 indices from the U.S. Department of Labor, Bureau of Labor Statistics. The adjustment factor for the cost of low-level waste burial charges used in Item (1) for the calculation in 10 CFR 50.75(c)(2) is determined using NUREG-1307, Revision 19.

As a convenience to the NRC, the biennial Financial Assurance reports from each co-owner for funding the decommissioning of Catawba Nuclear Station Units 1 and 2 are identified within each unit's report. However, none of the co-owners assumes any responsibility for the information contained in any other co-owner's report.

There are no regulatory commitments associated with this letter. If you have additional questions, please contact Ryan Treadway, Director – Fleet Licensing at (980) 373-5873.

Sincerely,

A handwritten signature in black ink, appearing to read 'KEVIN ELLIS', with a large, stylized flourish at the end.

Kevin Ellis  
General Manager – Nuclear Regulatory Affairs, Policy & Emergency Preparedness

**Enclosure:**

**NRC Decommissioning Funding Status Reports as of December 31, 2022**

xc (with enclosure):

L. Dudes, USNRC, Region II Regional Administrator  
N. Jordan, USNRC NRR Project Manager for Duke Fleet  
M. Mahoney, USNRC NRR Project Manager for HNP  
J. Klos, USNRC NRR Project Manager for MNS  
S. Williams, USNRC NRR Project Manager for ONS and CNS  
L. Haeg, USNRC NRR Project Manager for RNP  
D. Rivard, USNRC Senior Resident Inspector for CNS  
J. Zeiler, USNRC Senior Resident Inspector for HNP  
C. Safouri, USNRC Senior Resident Inspector for MNS  
J. Nadel, USNRC Senior Resident Inspector for ONS  
M. Fannon, USNRC Senior Resident Inspector for RNP

**ENCLOSURE**

**NRC DECOMMISSIONING FUNDING STATUS REPORTS  
AS OF DECEMBER 31, 2022**

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Progress, LLC  
Brunswick Nuclear Station  
100% Ownership  
Unit #1

**Brunswick  
Unit 1**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	668,583,514		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1,2</sup>	\$	<u>Qualified</u> 562,725,385	\$	<u>Non Qualified</u> 177,797,251
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>		<u>Non Qualified</u>
	2022	\$ -	\$	-
	2023	\$ -	\$	-
	2024	\$ -	\$	-
	2025	\$ -	\$	-
	2026	\$ -	\$	-
	2027	\$ -	\$	-
	2028	\$ -	\$	-
	2029	\$ -	\$	-
	2030	\$ -	\$	-
	2031	\$ -	\$	-
	2032	\$ -	\$	-
	2033	\$ -	\$	-
	2034	\$ -	\$	-
	2035	\$ -	\$	-
	2036	\$ -	\$	-
	Total	\$ -	\$	-
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.85% inflation			
	4.52% qualified rate of return			
	4.51% non-qualified rate of return			
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

<sup>2</sup> The amounts accumulated and the annual amounts remaining to be collected, together with future earnings on such amounts, include funding for both estimated reactor and ISFSI decommissioning costs.

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Progress, LLC  
Brunswick Nuclear Station  
100% Ownership  
Unit #2

**Brunswick  
Unit 2**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).

\$ 668,583,514

2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)).<sup>1</sup>

	<u>Qualified</u>		<u>Non Qualified</u>
\$	648,231,047	\$	177,162,539

3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).

<u>Year</u>		<u>Qualified</u>		<u>Non Qualified</u>
2022	\$	-	\$	-
2023	\$	-	\$	-
2024	\$	-	\$	-
2025	\$	-	\$	-
2026	\$	-	\$	-
2027	\$	-	\$	-
2028	\$	-	\$	-
2029	\$	-	\$	-
2030	\$	-	\$	-
2031	\$	-	\$	-
2032	\$	-	\$	-
2033	\$	-	\$	-
2034	\$	-	\$	-

Total	\$	-	\$	-
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4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;

2.80% inflation  
4.52% qualified rate of return  
4.41% non-qualified rate of return

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).

N/A

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.

N/A

7. Any material changes to trust agreements.

No

<sup>1</sup> The amounts reported are net of tax obligations

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Carolinas, LLC  
Catawba Nuclear Station  
19.246% Ownership  
Unit #1

**Catawba  
Unit 1**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	111,312,694		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1</sup>			<u>Qualified</u>	<u>Non Qualified</u>
	\$	135,065,504	\$	13,597,150
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>	
	2023 \$	-	\$	-
	2024 \$	-	\$	-
	2025 \$	-	\$	-
	2026 \$	-	\$	-
	2027 \$	-	\$	-
	2028 \$	-	\$	-
	2029 \$	-	\$	-
	2030 \$	-	\$	-
	2031 \$	-	\$	-
	2032 \$	-	\$	-
	2033 \$	-	\$	-
	2034 \$	-	\$	-
	2035 \$	-	\$	-
	2036 \$	-	\$	-
	2037 \$	-	\$	-
	2038 \$	-	\$	-
	2039 \$	-	\$	-
	2040 \$	-	\$	-
	2041 \$	-	\$	-
	2042 \$	-	\$	-
	2043 \$	-	\$	-
	Total	\$	-	\$ -
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.65% inflation		4.66% qualified rate of return	4.72% non-qualified rate of return
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Carolinas, LLC  
Catawba Nuclear Station  
19.246% Ownership  
Unit #2

**Catawba  
Unit 2**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	111,312,694		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1,2</sup>			<u>Qualified</u>	<u>Non Qualified</u>
	\$	116,516,520	\$	38,846,009
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>	
	2023 \$	-	\$	-
	2024 \$	-	\$	-
	2025 \$	-	\$	-
	2026 \$	-	\$	-
	2027 \$	-	\$	-
	2028 \$	-	\$	-
	2029 \$	-	\$	-
	2030 \$	-	\$	-
	2031 \$	-	\$	-
	2032 \$	-	\$	-
	2033 \$	-	\$	-
	2034 \$	-	\$	-
	2035 \$	-	\$	-
	2036 \$	-	\$	-
	2037 \$	-	\$	-
	2038 \$	-	\$	-
	2039 \$	-	\$	-
	2040 \$	-	\$	-
	2041 \$	-	\$	-
	2042 \$	-	\$	-
	2043 \$	-	\$	-
	Total	\$	-	\$ -
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.65% inflation			
	4.66% qualified rate of return			
	4.72% non-qualified rate of return			
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

<sup>2</sup> The amounts accumulated, together with future earnings on such amounts, include funding for both estimated reactor and ISFSI decommissioning costs.



NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
North Carolina Electric Membership Corporation  
Catawba Nuclear Station  
30.754% Ownership  
Unit #1

1. The minimum decommissioning fund estimate,  
pursuant to 10 CFR 50.75 (b) and (c). \$ 177,871,277

2. The amount accumulated at the end of the calendar year preceding  
the date of the report for items included in 10 CFR 50.75 (b)  
and (c). (Alternatively, the total amount accumulated at the end of the  
calendar year preceding the date of the report can be  
reported here if the cover letter transmitting the report provides  
the total estimate and indicates what portion of that estimate is  
for items not included in 10 CFR 50.75 (b) and (c)). <sup>1</sup> \$ 153,675,258

3. A schedule of the annual amounts remaining to be collected;  
for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual  
amounts remaining to be collected can include items beyond those  
required in 10 CFR 50.75 (b) and (c) if the cover letter  
transmitting the report provides a total cost estimate and  
indicates what portion of that estimate is for items that are not  
included in 10 CFR 50.75 (b) and (c).)

<u>Year</u>	<u>Amount</u>
2023	\$ 827,278
2024	\$ 923,700
2025	\$ 867,659
2026	\$ 812,139
2027	\$ 757,188
2028	\$ 702,861
2029	\$ 649,211
2030	\$ 596,300
2031	\$ 544,191
2032	\$ 492,950
2033	\$ 442,650
2034	\$ 393,368
2035	\$ 345,183
2036	\$ 298,183
2037	\$ 252,459
2038	\$ 208,107
2039	\$ 165,232
2040	\$ 123,943
2041	\$ 84,356
2042	\$ 46,594
2043	\$ -

Total 9,533,552

4. The assumptions used regarding escalation in decommissioning  
cost, rates of earnings on decommissioning funds, and rates of  
other factors used in funding projections; inflation - 2.75%  
rate of return - 4.75%

5. Any contracts upon which the licensee is relying pursuant to  
10 CFR 50.75(e)(1)(v). N/A

6. Any modifications to a licensee's current method providing  
financial assurance occurring since the last submitted report. N/A

7. Any material changes to trust agreements. No

<sup>1</sup> The owner is tax exempt; therefore, the amounts reported are net of tax

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
North Carolina Electric Membership Corporation  
Catawba Nuclear Station  
30.754% Ownership  
Unit #2

1. The minimum decommissioning fund estimate,  
pursuant to 10 CFR 50.75 (b) and (c). \$ 177,871,277

2. The amount accumulated at the end of the calendar year preceding  
the date of the report for items included in 10 CFR 50.75 (b)  
and (c). (Alternatively, the total amount accumulated at the end of the  
calendar year preceding the date of the report can be  
reported here if the cover letter transmitting the report provides  
the total estimate and indicates what portion of that estimate is  
for items not included in 10 CFR 50.75 (b) and (c)). <sup>1,2</sup> \$ 164,275,246

3. A schedule of the annual amounts remaining to be collected;  
for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual  
amounts remaining to be collected can include items beyond those  
required in 10 CFR 50.75 (b) and (c) if the cover letter  
transmitting the report provides a total cost estimate and  
indicates what portion of that estimate is for items that are not  
included in 10 CFR 50.75 (b) and (c)).<sup>2</sup>

<u>Year</u>	<u>Amount</u>
2023	\$ 960,658
2024	\$ 1,072,626
2025	\$ 1,007,550
2026	\$ 943,078
2027	\$ 879,268
2028	\$ 816,181
2029	\$ 753,882
2030	\$ 692,440
2031	\$ 631,929
2032	\$ 572,427
2033	\$ 514,018
2034	\$ 456,789
2035	\$ 400,836
2036	\$ 346,258
2037	\$ 293,162
2038	\$ 241,660
2039	\$ 191,873
2040	\$ 143,926
2041	\$ 97,956
2042	\$ 54,106
2043	\$ -

Total \$ 11,070,623

4. The assumptions used regarding escalation in decommissioning  
cost, rates of earnings on decommissioning funds, and rates of  
other factors used in funding projections; inflation - 2.75%  
rate of return - 4.75%

5. Any contracts upon which the licensee is relying pursuant to  
10 CFR 50.75(e)(1)(v). N/A

6. Any modifications to a licensee's current method providing  
financial assurance occurring since the last submitted report. N/A

7. Any material changes to trust agreements. No

<sup>1</sup> The owner is tax exempt; therefore, the amounts reported are net of tax

<sup>2</sup> The amount accumulated and the annual amounts remaining to be collected, together with future earnings on such amounts, include funding for both estimated reactor and ISFSI decommissioning costs.

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
North Carolina Municipal Power Agency 1  
Catawba Nuclear Station  
37.5% Ownership  
Unit #1

1. The minimum decommissioning fund estimate,  
pursuant to 10 CFR 50.75 (b) and (c). \$ 216,887,978

2. The amount accumulated at the end of the calendar year preceding  
the date of the report for items included in 10 CFR 50.75 (b)  
and (c). (Alternatively, the total amount accumulated at the end of the  
calendar year preceding the date of the report can be  
reported here if the cover letter transmitting the report provides  
the total estimate and indicates what portion of that estimate is  
for items not included in 10 CFR 50.75 (b) and (c)). <sup>1</sup> \$ 200,286,589

3. A schedule of the annual amounts remaining to be collected;  
for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual  
amounts remaining to be collected can include items beyond those  
required in 10 CFR 50.75 (b) and (c) if the cover letter  
transmitting the report provides a total cost estimate and  
indicates what portion of that estimate is for items that are not  
included in 10 CFR 50.75 (b) and (c).

<u>Year</u>	<u>Amount</u>	
2023	\$	-
2024	\$	-
2025	\$	-
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	-
2035	\$	-
2036	\$	-
2037	\$	-
2038	\$	-
2039	\$	-
2040	\$	-
2041	\$	-
2042	\$	-
2043	\$	-
Total		\$ -

4. The assumptions used regarding escalation in decommissioning  
cost, rates of earnings on decommissioning funds, and rates of  
other factors used in funding projections; inflation - 3.40%  
rate of return - 4.35%

5. Any contracts upon which the licensee is relying pursuant to  
10 CFR 50.75(e)(1)(v). N/A

6. Any modifications to a licensee's current method providing  
financial assurance occurring since the last submitted report. N/A

7. Any material changes to trust agreements. Yes<sup>2</sup>

<sup>1</sup> The owner is tax exempt; therefore, the amounts reported are net of tax

<sup>2</sup> Investment provisions of the trust agreement were modified in 2021 to reflect changes in  
legislation allowing NCMPPA to invest in the North Carolina Ancillary Government Participant  
Investment Program

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
North Carolina Municipal Power Agency 1  
Catawba Nuclear Station  
37.5% Ownership  
Unit #2

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c). \$ 216,887,978

2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)).<sup>1, 2</sup> \$ 198,659,025

3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).

<u>Year</u>	<u>Amount</u>	
2023	\$	-
2024	\$	-
2025	\$	-
2026	\$	-
2027	\$	-
2028	\$	-
2029	\$	-
2030	\$	-
2031	\$	-
2032	\$	-
2033	\$	-
2034	\$	-
2035	\$	-
2036	\$	-
2037	\$	-
2038	\$	-
2039	\$	-
2040	\$	-
2041	\$	-
2042	\$	-
2043	\$	-
Total	\$	-

4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections; inflation - 3.40%  
rate of return - 4.35%

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). N/A

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report. N/A

7. Any material changes to trust agreements. Yes<sup>3</sup>

<sup>1</sup> The owner is tax exempt; therefore, the amounts reported are net of tax

<sup>2</sup> The amount accumulated and the annual amounts remaining to be collected, together with future earnings on such amounts, include funding for both estimated reactor and ISFSI decommissioning costs.

<sup>3</sup> Investment provisions of the trust agreement were modified in 2021 to reflect changes in legislation allowing NCMPA to invest in the North Carolina Ancillary Government Participant Investment Program

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Piedmont Municipal Power Agency  
Catawba Nuclear Station  
12.5% Ownership  
Unit #1

1. The minimum decommissioning fund estimate,  
pursuant to 10 CFR 50.75 (b) and (c). \$ 72,295,993

2. The amount accumulated at the end of the calendar year preceding  
the date of the report for items included in 10 CFR 50.75 (b)  
and (c). (Alternatively, the total amount accumulated at the end of the  
calendar year preceding the date of the report can be  
reported here if the cover letter transmitting the report provides  
the total estimate and indicates what portion of that estimate is  
for items not included in 10 CFR 50.75 (b) and (c)). <sup>1</sup> \$ 50,463,753

3. A schedule of the annual amounts remaining to be collected;  
for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual  
amounts remaining to be collected can include items beyond those  
required in 10 CFR 50.75 (b) and (c) if the cover letter  
transmitting the report provides a total cost estimate and  
indicates what portion of that estimate is for items that are not  
included in 10 CFR 50.75 (b) and (c).

<u>Year</u>	<u>Amount</u>	
2023	\$	3,402,469
2024	\$	3,402,469
2025	\$	3,402,469
2026	\$	3,402,469
2027	\$	3,402,469
2028	\$	3,402,469
2029	\$	3,402,469
2030	\$	3,402,469
2031	\$	3,402,469
2032	\$	3,402,469
2033	\$	3,402,469
2034	\$	22,752,908 <sup>2</sup>
2035	\$	1,984,774
2036	\$	-
2037	\$	-
2038	\$	-
2039	\$	-
2040	\$	-
2041	\$	-
2042	\$	-
2043	\$	-
Total		\$ 62,164,842

4. The assumptions used regarding escalation in decommissioning  
cost, rates of earnings on decommissioning funds, and rates of  
other factors used in funding projections; inflation - 2.75%  
rate of return - 3.00%

5. Any contracts upon which the licensee is relying pursuant to  
10 CFR 50.75(e)(1)(v). N/A

6. Any modifications to a licensee's current method providing  
financial assurance occurring since the last submitted report. N/A

7. Any material changes to trust agreements. No

<sup>1</sup> The owner is tax exempt; therefore, the amounts reported are net of tax

<sup>2</sup> The large contribution in 2034 will be from a bond fund that matures and becomes unrestricted at that time

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Piedmont Municipal Power Agency  
Catawba Nuclear Station  
12.5% Ownership  
Unit #2

1. The minimum decommissioning fund estimate,  
pursuant to 10 CFR 50.75 (b) and (c). \$ 72,295,993

2. The amount accumulated at the end of the calendar year preceding  
the date of the report for items included in 10 CFR 50.75 (b)  
and (c). (Alternatively, the total amount accumulated at the end of the  
calendar year preceding the date of the report can be  
reported here if the cover letter transmitting the report provides  
the total estimate and indicates what portion of that estimate is  
for items not included in 10 CFR 50.75 (b) and (c)).<sup>1, 2</sup> \$ 61,367,879

3. A schedule of the annual amounts remaining to be collected;  
for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual  
amounts remaining to be collected can include items beyond those  
required in 10 CFR 50.75 (b) and (c) if the cover letter  
transmitting the report provides a total cost estimate and  
indicates what portion of that estimate is for items that are not  
included in 10 CFR 50.75 (b) and (c).<sup>2</sup>

<u>Year</u>	<u>Amount</u>
2023	\$ 5,760,299
2024	\$ 5,760,299
2025	\$ 5,760,299
2026	\$ 5,760,299
2027	\$ 5,760,299
2028	\$ 5,760,299
2029	\$ 5,760,299
2030	\$ 5,760,299
2031	\$ 5,760,299
2032	\$ 5,760,299
2033	\$ 5,760,299
2034	\$ 25,110,737 <sup>3</sup>
2035	\$ 3,360,174
2036	\$ -
2037	\$ -
2038	\$ -
2039	\$ -
2040	\$ -
2041	\$ -
2042	\$ -
2043	\$ -
Total	
	\$ 91,834,200

4. The assumptions used regarding escalation in decommissioning inflation - 2.75%  
cost, rates of earnings on decommissioning funds, and rates of rate of return - 3.00%  
other factors used in funding projections;

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). N/A

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report. N/A

7. Any material changes to trust agreements. No

<sup>1</sup> The owner is tax exempt; therefore, the amounts reported are net of tax

<sup>2</sup> The amount accumulated and the annual amounts remaining to be collected, together with future earnings on such amounts, include funding for both estimated reactor and ISFSI decommissioning costs.

<sup>3</sup> The large contribution in 2034 will be from a bond fund that matures and becomes unrestricted at that time

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Progress, LLC  
Harris Nuclear Station  
100% Ownership  
Unit #1

	<b>Harris Unit 1</b>			
1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	548,111,793		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1</sup>	\$	<u>Qualified</u> 651,052,198	\$	<u>Non Qualified</u> 79,130,404
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>		<u>Non Qualified</u>
	2022	\$ -	\$	-
	2023	\$ -	\$	-
	2024	\$ -	\$	-
	2025	\$ -	\$	-
	2026	\$ -	\$	-
	2027	\$ -	\$	-
	2028	\$ -	\$	-
	2029	\$ -	\$	-
	2030	\$ -	\$	-
	2031	\$ -	\$	-
	2032	\$ -	\$	-
	2033	\$ -	\$	-
	2034	\$ -	\$	-
	2035	\$ -	\$	-
	2036	\$ -	\$	-
	2037	\$ -	\$	-
	2038	\$ -	\$	-
	2039	\$ -	\$	-
	2040	\$ -	\$	-
	2041	\$ -	\$	-
	2042	\$ -	\$	-
	2043	\$ -	\$	-
	2044	\$ -	\$	-
	2045	\$ -	\$	-
	2046	\$ -	\$	-
	Total	\$ -	\$	-
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.67% inflation 4.61% qualified rate of return 2.42% non-qualified rate of return			
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Carolinas, LLC  
McGuire Nuclear Station  
100% Ownership  
Unit #1

**McGuire  
Unit 1**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	570,144,343		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1</sup>			<u>Qualified</u>	<u>Non Qualified</u>
	\$	718,712,372	\$	2,910,091
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>	
	2023 \$	-	\$	-
	2024 \$	-	\$	-
	2025 \$	-	\$	-
	2026 \$	-	\$	-
	2027 \$	-	\$	-
	2028 \$	-	\$	-
	2029 \$	-	\$	-
	2030 \$	-	\$	-
	2031 \$	-	\$	-
	2032 \$	-	\$	-
	2033 \$	-	\$	-
	2034 \$	-	\$	-
	2035 \$	-	\$	-
	2036 \$	-	\$	-
	2037 \$	-	\$	-
	2038 \$	-	\$	-
	2039 \$	-	\$	-
	2040 \$	-	\$	-
	2041 \$	-	\$	-
	Total	\$	-	\$ -
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.65% inflation			
	4.66% qualified rate of return			
	4.72% non-qualified rate of return			
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations



NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Carolinas, LLC  
McGuire Nuclear Station  
100% Ownership  
Unit #2

**McGuire  
Unit 2**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	570,144,343		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1, 2</sup>			<u>Qualified</u>	<u>Non Qualified</u>
	\$	789,394,603	\$	-
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>	
	2023 \$	-	\$	-
	2024 \$	-	\$	-
	2025 \$	-	\$	-
	2026 \$	-	\$	-
	2027 \$	-	\$	-
	2028 \$	-	\$	-
	2029 \$	-	\$	-
	2030 \$	-	\$	-
	2031 \$	-	\$	-
	2032 \$	-	\$	-
	2033 \$	-	\$	-
	2034 \$	-	\$	-
	2035 \$	-	\$	-
	2036 \$	-	\$	-
	2037 \$	-	\$	-
	2038 \$	-	\$	-
	2039 \$	-	\$	-
	2040 \$	-	\$	-
	2041 \$	-	\$	-
	2042 \$	-	\$	-
	2043 \$	-	\$	-
	Total \$	-	\$	-
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.65% inflation			
	4.66% qualified rate of return			
	4.72% non-qualified rate of return			
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

<sup>2</sup> The amounts accumulated, together with future earnings on such amounts, include funding for both estimated reactor and ISFSI decommissioning costs.

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Carolinas, LLC  
Oconee Nuclear Station  
100% Ownership  
Unit #1

**Oconee  
Unit 1**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	537,597,960		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1</sup>	\$	<u>Qualified</u> 567,145,719	<u>Non Qualified</u> \$ 39,662,643	
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>	
	2023 \$	-	\$ -	
	2024 \$	-	\$ -	
	2025 \$	-	\$ -	
	2026 \$	-	\$ -	
	2027 \$	-	\$ -	
	2028 \$	-	\$ -	
	2029 \$	-	\$ -	
	2030 \$	-	\$ -	
	2031 \$	-	\$ -	
	2032 \$	-	\$ -	
	2033 \$	-	\$ -	
	Total \$	-	\$ -	
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.65% inflation			
	4.66% qualified rate of return			
	4.72% non-qualified rate of return			
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Carolinas, LLC  
Oconee Nuclear Station  
100% Ownership  
Unit #2

**Oconee  
Unit 2**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	537,597,960		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1</sup>			<u>Qualified</u>	<u>Non Qualified</u>
	\$	569,795,380	\$	31,991,302
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>	
	2023 \$	-	\$	-
	2024 \$	-	\$	-
	2025 \$	-	\$	-
	2026 \$	-	\$	-
	2027 \$	-	\$	-
	2028 \$	-	\$	-
	2029 \$	-	\$	-
	2030 \$	-	\$	-
	2031 \$	-	\$	-
	2032 \$	-	\$	-
	2033 \$	-	\$	-
	Total \$	-	\$	-
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.65% inflation			
	4.66% qualified rate of return			
	4.72% non-qualified rate of return			
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Carolinas, LLC  
Oconee Nuclear Station  
100% Ownership  
Unit #3

**Oconee  
Unit 3**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	537,597,960		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1, 2</sup>			<u>Qualified</u>	<u>Non Qualified</u>
	\$	771,879,053	\$	9,054,496
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>	
	2023 \$	-	\$	-
	2024 \$	-	\$	-
	2025 \$	-	\$	-
	2026 \$	-	\$	-
	2027 \$	-	\$	-
	2028 \$	-	\$	-
	2029 \$	-	\$	-
	2030 \$	-	\$	-
	2031 \$	-	\$	-
	2032 \$	-	\$	-
	2033 \$	-	\$	-
	2034 \$	-	\$	-
	Total	\$	-	\$
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.65% inflation		4.66% qualified rate of return	4.72% non-qualified rate of return
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

<sup>2</sup> The amounts accumulated, together with future earnings on such amounts, include funding for both estimated reactor and ISFSI decommissioning costs.

NRC Decommissioning Funding Status Report  
Report Dated as of December 31, 2022  
Duke Energy Progress, LLC  
Robinson Nuclear Station  
100% Ownership  
Unit #2

**Robinson  
Unit 2**

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	526,497,702		
2. The amount accumulated at the end of the calendar year preceding the date of the report for items included in 10 CFR 50.75 (b) and (c). (Alternatively, the total amount accumulated at the end of the calendar year preceding the date of the report can be reported here if the cover letter transmitting the report provides the total estimate and indicates what portion of that estimate is for items not included in 10 CFR 50.75 (b) and (c)). <sup>1,2</sup>	\$	<u>Qualified</u> 820,209,014	\$	<u>Non Qualified</u> 13,680,087
3. A schedule of the annual amounts remaining to be collected; for items in 10 CFR 50.75 (b) and (c). (Alternatively, the annual amounts remaining to be collected can include items beyond those required in 10 CFR 50.75 (b) and (c) if the cover letter transmitting the report provides a total cost estimate and indicates what portion of that estimate is for items that are not included in 10 CFR 50.75 (b) and (c).	<u>Year</u>	<u>Qualified</u>		<u>Non Qualified</u>
	2022 \$	-	\$	-
	2023 \$	-	\$	-
	2024 \$	-	\$	-
	2025 \$	-	\$	-
	2026 \$	-	\$	-
	2027 \$	-	\$	-
	2028 \$	-	\$	-
	2029 \$	-	\$	-
	2030 \$	-	\$	-
	Total	\$	-	\$
4. The assumptions used regarding escalation in decommissioning cost, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	2.82% inflation			
	4.53% qualified rate of return			
	2.50% non-qualified rate of return			
5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	N/A			
6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report.	N/A			
7. Any material changes to trust agreements.	No			

<sup>1</sup> The amounts reported are net of tax obligations

<sup>2</sup> The amounts accumulated and the annual amounts remaining to be collected, together with future earnings on such amounts, include funding for both estimated reactor and ISFSI decommissioning costs.