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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 2020 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 18.

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 Art Zaremba, Director – Fleet Licensing at (980) 373-2062.

Sincerely,



M. Christopher Nolan  
Vice President – Nuclear Regulatory Affairs, Policy & Emergency Preparedness

**Enclosure:**

**NRC Decommissioning Funding Status Reports as of December 31, 2020**

xc (with enclosure):

Ms. L. Dudes, USNRC Regional Administrator, Region II  
Mr. G. Smith, USNRC Senior Resident Inspector – Brunswick  
Mr. A. Hon, NRR Project Manager – Brunswick  
Mr. J. Austin, USNRC Senior Resident Inspector – Catawba  
Ms. K. Cotton, NRR Project Manager – Catawba  
Mr. J. Zeiler, USNRC Senior Resident Inspector – Harris  
Mr. M. Mahoney, NRR Project Manager – Harris  
Mr. A. Hutto, USNRC Senior Resident Inspector – McGuire  
Mr. J. Klos, NRR Project Manager – McGuire, Robinson  
Mr. J. Nadel, USNRC Senior Resident Inspector – Oconee  
Mr. S. Williams, NRR Project Manager – Oconee  
Mr. M. Fannon, USNRC Senior Resident Inspector – Robinson

**ENCLOSURE**

**NRC DECOMMISSIONING FUNDING STATUS REPORTS**

**AS OF DECEMBER 31, 2020**

NRC Decommissioning Funding Status Report  
 Report Dated as of December 31, 2020  
 Duke Energy Progress, LLC  
 Brunswick Nuclear Station  
 100% Ownership  
 Unit #1

**Brunswick  
 Unit 1**

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1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	639,842,051		
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> 586,896,904	\$	<u>Non Qualified</u> 176,289,451
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>Qualified</u>	\$	<u>Non Qualified</u>
	2021	\$ -	\$	-
	2022	\$ -	\$	-
	2023	\$ -	\$	-
	2024	\$ -	\$	-
	2025	\$ -	\$	-
	2026	\$ -	\$	-
	2027	\$ -	\$	-
	2028	\$ -	\$	-
	2029	\$ -	\$	-
	2030	\$ -	\$	-
	2031	\$ -	\$	-
	2032	\$ -	\$	-
	2033	\$ -	\$	-
	2034	\$ -	\$	-
	2035	\$ -	\$	-
	2036	\$ -	\$	-
	<b>Total</b>	\$ -	\$	-
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, 2020  
 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).	\$ 639,842,051		
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> 671,023,719	\$ <u>Non Qualified</u> 177,925,045
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).	Year	<u>Qualified</u>	<u>Non Qualified</u>
	2021 \$	-	\$ -
	2022 \$	-	\$ -
	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;		2.80% 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, 2020  
 Duke Energy Carolinas, LLC  
 Catawba Nuclear Station  
 19.246% Ownership  
 Unit #1

**Catawba  
Unit 1**

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1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c). \$ 94,079,865

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>
	\$ 141,123,211	\$ 12,832,170

	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>
	2021 \$	-	\$ -
	2022 \$	-	\$ -
	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.	N/A

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

NRC Decommissioning Funding Status Report  
 Report Dated as of December 31, 2020  
 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).	\$ 94,079,865		
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> 121,744,576	<u>Non Qualified</u> \$ 36,660,521
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).	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.		N/A	

<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, 2020  
 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). \$ 150,334,208

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> \$ 161,742,738

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>
2021	\$ 1,578,116
2022	\$ 1,662,485
2023	\$ 1,605,538
2024	\$ 1,549,023
2025	\$ 1,492,982
2026	\$ 1,437,461
2027	\$ 1,382,511
2028	\$ 1,328,183
2029	\$ 1,274,534
2030	\$ 1,221,623
2031	\$ 1,169,513
2032	\$ 1,118,272
2033	\$ 1,067,973
2034	\$ 1,018,690
2035	\$ 970,506
2036	\$ 923,505
2037	\$ 877,781
2038	\$ 833,430
2039	\$ 790,555
2040	\$ 749,266
2041	\$ 709,678
2042	\$ 671,916
2043	\$ -

Total 25,433,541

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 - 2.50%  
rate of return - 4.75%

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). None

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

<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, 2020  
 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). \$ 150,334,208

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> \$ 172,899,194

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>
2021	\$ 1,832,551
2022	\$ 1,930,523
2023	\$ 1,864,395
2024	\$ 1,798,768
2025	\$ 1,733,691
2026	\$ 1,669,220
2027	\$ 1,605,410
2028	\$ 1,542,323
2029	\$ 1,480,024
2030	\$ 1,418,582
2031	\$ 1,358,071
2032	\$ 1,298,569
2033	\$ 1,240,159
2034	\$ 1,182,931
2035	\$ 1,126,978
2036	\$ 1,072,400
2037	\$ 1,019,304
2038	\$ 967,802
2039	\$ 918,014
2040	\$ 870,068
2041	\$ 824,098
2042	\$ 780,248
2043	\$ -
Total	\$ 29,534,129

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 - 2.50%  
rate of return - 4.75%

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). None

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

<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, 2020  
 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). \$ 183,310,555

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> \$ 204,880,645

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).

Year	Amount
2021	2,000,000
2022	4,300,000
2023	4,300,000
2024	4,300,000
2025	4,300,000
2026	4,300,000
2027	4,300,000
2028	4,300,000
2029	4,300,000
2030	4,300,000
2031	4,300,000
2032 *	4,300,000
2033	
2034	
2035	
2036	
2037	
2038	
2039	
2040	
2041	
2042	
2043	

Total \$ 49,300,000

# of years to collect 12

\* 2032 is the last year of the current Participant Project Power Sales Agreement.

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 - 2.20%

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). None

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

<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, 2020  
 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). \$ 183,310,555

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> \$ 202,656,305

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>
2021	2,525,000
2022	5,100,000
2023	5,100,000
2024	5,100,000
2025	5,100,000
2026	5,100,000
2027	5,100,000
2028	5,100,000
2029	5,100,000
2030	5,100,000
2031	5,100,000
2032 *	5,100,000
2033	
2034	
2035	
2036	
2037	
2038	
2039	
2040	
2041	
2042	
2043	
Total	\$ 58,625,000
# of years to collect	12

\* 2032 is the last year of the current Participant Project Power Sales Agreement.

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 - 2.20%

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). None

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

<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, 2020  
 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). \$ 61,103,518

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> \$ 47,332,776

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>
2021	708,040
2022	708,040
2023	708,040
2024	708,040
2025	708,040
2026	708,040
2027	708,040
2028	708,040
2029	708,040
2030	708,040
2031	708,040
2032	708,040
2033	708,040
2034	708,040
2035	708,040
2036	708,040
2037	708,040
2038	708,040
2039	708,040
2040	708,040
2041	708,040
2042	708,040
2043	708,040

Total      \$      16,284,920

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). None

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

<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, 2020  
 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). \$ 61,103,518

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> \$ 53,925,365

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>
2021	312,602
2022	312,602
2023	312,602
2024	312,602
2025	312,602
2026	312,602
2027	312,602
2028	312,602
2029	312,602
2030	312,602
2031	312,602
2032	312,602
2033	312,602
2034	312,602
2035	312,602
2036	312,602
2037	312,602
2038	312,602
2039	312,602
2040	312,602
2041	312,602
2042	312,602
2043	312,602

Total \$ 7,189,846

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). None

6. Any modifications to a licensee's current method providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

<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, 2020  
 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).		\$	494,676,928
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>
	\$	667,606,526	\$ 86,403,847
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>
	2021 \$	-	\$ -
	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, 2020  
 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).	\$ 514,561,546		
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>	\$ 750,917,049	<u>Qualified</u>	\$ 2,746,368
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>
	2021 \$	-	\$ -
	2022 \$	-	\$ -
	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.		N/A	

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



NRC Decommissioning Funding Status Report  
 Report Dated as of December 31, 2020  
 Duke Energy Carolinas, LLC  
 McGuire Nuclear Station  
 100% Ownership  
 Unit #2

**McGuire  
Unit 2**

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1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c). \$ 514,561,546

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>
	\$ 824,753,311	\$ -

	<u>Year</u>	<u>Qualified</u>	<u>Non Qualified</u>
	2021	\$ -	\$ -
	2022	\$ -	\$ -
	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. N/A

<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, 2020  
 Duke Energy Carolinas, LLC  
 Oconee Nuclear Station  
 100% Ownership  
 Unit #1

**Oconee  
 Unit 1**

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1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	454,369,952		
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> 592,473,924	<u>Non Qualified</u> \$ 37,431,211	
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>	
	2021 \$	-	\$ -	
	2022 \$	-	\$ -	
	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.		N/A		

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

NRC Decommissioning Funding Status Report  
 Report Dated as of December 31, 2020  
 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).	\$ 454,369,952		
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>	\$ 595,325,342	<u>Qualified</u> \$ 30,191,462	<u>Non Qualified</u> \$ -
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).	Total \$ -	<u>Qualified</u> \$ -	<u>Non Qualified</u> \$ -
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.		N/A	

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

NRC Decommissioning Funding Status Report  
 Report Dated as of December 31, 2020  
 Duke Energy Carolinas, LLC  
 Oconee Nuclear Station  
 100% Ownership  
 Unit #3

	<b>Oconee Unit 3</b>	
1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	454,369,952
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> \$ 8,545,087
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> Total	<u>Qualified</u> \$ - <u>Non Qualified</u> \$ -
	2021	\$ -
	2022	\$ -
	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<br>4.66% qualified rate of return<br>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.  | N/A   |

<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, 2020  
 Duke Energy Progress, LLC  
 Robinson Nuclear Station  
 100% Ownership  
 Unit #2

**Robinson  
Unit 2**

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1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75 (b) and (c).	\$	444,988,176		
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> 851,792,385	\$	<u>Non Qualified</u> 14,894,589
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). <sup>2</sup>	<u>Year</u>	<u>Qualified</u>		<u>Non Qualified</u>
	2021 \$	-	\$	-
	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.