

**Vogtle Electric Generating Plant, Units 1 & 2  
Financial Assurance Requirements for Decommissioning  
Nuclear Power Reactors (10 CFR 50.75(f)(1))**

**Enclosure 2**

**Oglethorpe Power Corporation Response**



**OglethorpePower**

An Electric Membership Corporation

March 3, 2015

Docket Nos.: 50-424  
50-425

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

Vogtle Electric Generating Plant  
Financial Assurance Requirements for Decommissioning  
Nuclear Power Reactors (10 CFR 50.75(f)(1))

Dear Ladies and Gentlemen:

Pursuant to 10 CFR 50.75(f)(1), each power reactor licensee is required to report to the NRC the status of its decommissioning funding for each reactor or part of each reactor it owns on a calendar year basis, beginning on March 31, 1999, and every two years thereafter. Accordingly, Oglethorpe Power Corporation (OPC) hereby submits the enclosed information in accordance with 10 CFR 50.75(f)(1) for operating licenses NPF-68 and NPF-81 issued for Vogtle Electric Generating Plant Units 1 and 2, respectively. Southern Nuclear Operating Company, as the operating licensee and as an agent for the owners of the Vogtle Electric Generating Plant, is providing this information to the NRC on behalf of OPC.

Based on the information presented herein, there is reasonable assurance that the funding necessary for decommissioning of the Vogtle Electric Generating Plant, consistent with the NRC prescribed minimum set forth in 10 CFR 50.75(c), will be available on the expiration date of operating licenses NPF-68 and NPF-81.

Please advise if you have any questions or comments regarding the information provided herein.

Respectfully submitted,

Anne F. Appleby  
Vice President, Treasurer  
Oglethorpe Power Corporation

Enclosure



**Enclosure**

**Vogtle Electric Generating Plant**

**Oglethorpe Power Corporation  
Ownership Percentage – 30.0%**

	<b>10 CFR 50.75(f)(1) Requirement</b>	<b>Unit 1</b>	<b>Unit 2</b>
1	The NRC minimum decommissioning estimate, pursuant to 10 CFR 50.75(b) and (c). <sup>1</sup>	\$155,344,000 <sup>2</sup>	\$155,344,000 <sup>2</sup>
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).	\$73,867,000	\$66,911,000
3	A schedule of the annual amounts remaining to be collected, for items in 10 CFR 50.75(b) and (c).	See Schedule in Attachment 1	See Schedule in Attachment 1
4	The assumptions used regarding: (a) rates of escalation in decommissioning costs; (b) rates of earnings on decommissioning funds; (c) real rate of return; and (d) rates of other factors used in funding projections.	2.41% 6.00% 3.59% None	2.41% 6.00% 3.59% None
5	Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).	None	None
6	Any modifications to a licensee's current method of providing financial assurance occurring since the last submitted report.	None	None
7	Any material changes to trust agreements.	In May 2013 replaced the international equity manager with another international equity manager	In May 2013 replaced the international equity manager with another international equity manager

\*As a rural electric cooperative, OPC's budget is approved by its Board of Directors annually. The budget includes a 6% rate of earnings assumption for the Hatch and Vogtle Nuclear Decommissioning Trust Funds. The 6% rate of earnings assumption less the 2.41% escalation rate results in a real rate of return of 3.59%

**NOTES:**

<sup>1</sup> The NRC formulas in section 10 CFR 50.75(c) include only those decommissioning costs incurred by licensees to remove a facility or site safely from service and reduce residual radioactivity to levels that permit: (1) release of the property for unrestricted use and termination of the license; or (2) release of the property under restricted conditions and termination of the license. The cost of dismantling or demolishing non-radiological systems and structures is not included in the NRC decommissioning cost estimates. The costs of managing and storing spent fuel on-site until transfer to DOE are not included in the cost formulas.

<sup>2</sup> This amount is based on NUREG-1307, Rev. 15, for the burial factor (Option 2) and the December 2014 BLS data for labor and energy.

**Attachment 1**  
**Schedule of the Annual Amounts Remaining to be Collected**  
**Oglethorpe Power Corporation**  
**2014 NRC MINIMUM**

<b>Vogtle 1</b>					<b>Vogtle 2</b>				
Earnings Rate: 6					Earnings Rate: 6				
Year	Balance Begin Year	Earnings	Contribution	Balance End Year	Year	Balance Begin Year	Earnings	Contribution	Balance End Year
2014	69,391,624	4,163,497	0	73,866,987	2014	62,857,014	3,771,421	0	66,910,931
2015	73,866,987	4,432,019	0	78,299,006	2015	66,910,931	4,014,656	0	70,925,587
2016	78,299,006	4,697,940	0	82,996,947	2016	70,925,587	4,255,535	0	75,181,122
2017	82,996,947	4,979,817	0	87,976,763	2017	75,181,122	4,510,867	0	79,691,989
2018	87,976,763	5,278,606	0	93,255,369	2018	79,691,989	4,781,519	0	84,473,509
2019	93,255,369	5,595,322	0	98,850,691	2019	84,473,509	5,068,411	0	89,541,919
2020	98,850,691	5,931,041	0	104,781,733	2020	89,541,919	5,372,515	0	94,914,434
2021	104,781,733	6,286,904	0	111,068,637	2021	94,914,434	5,694,866	0	100,609,301
2022	111,068,637	6,664,118	0	117,732,755	2022	100,609,301	6,036,558	0	106,645,859
2023	117,732,755	7,063,965	0	124,796,720	2023	106,645,859	6,398,752	0	113,044,610
2024	124,796,720	7,487,803	0	132,284,524	2024	113,044,610	6,782,677	0	119,827,287
2025	132,284,524	7,937,071	0	140,221,595	2025	119,827,287	7,189,637	0	127,016,924
2026	140,221,595	8,413,296	0	148,634,891	2026	127,016,924	7,621,015	0	134,637,939
2027	148,634,891	8,918,093	0	157,552,984	2027	134,637,939	8,078,276	0	142,716,216
2028	157,552,984	9,453,179	0	167,006,163	2028	142,716,216	8,562,973	0	151,279,189
2029	167,006,163	10,020,370	0	177,026,533	2029	151,279,189	9,076,751	0	160,355,940
2030	177,026,533	10,621,592	0	187,648,125	2030	160,355,940	9,621,356	0	169,977,296
2031	187,648,125	11,258,887	0	198,907,012	2031	169,977,296	10,198,638	0	180,175,934
2032	198,907,012	11,934,421	0	210,841,433	2032	180,175,934	10,810,556	0	190,986,490
2033	210,841,433	12,650,486	0	223,491,919	2033	190,986,490	11,459,189	0	202,445,680
2034	223,491,919	13,409,515	0	236,901,434	2034	202,445,680	12,146,741	0	214,592,420
2035	236,901,434	14,214,086	0	251,115,520	2035	214,592,420	12,875,545	0	227,467,966
2036	251,115,520	15,066,931	0	266,182,452	2036	227,467,966	13,648,078	0	241,116,043
2037	266,182,452	15,970,947	0	282,153,399	2037	241,116,043	14,466,963	0	255,583,006
2038	282,153,399	16,929,204	0	299,082,603	2038	255,583,006	15,334,980	0	270,917,986
2039	299,082,603	17,944,956	0	317,027,559	2039	270,917,986	16,255,079	0	287,173,066
2040	317,027,559	19,021,654	0	336,049,212	2040	287,173,066	17,230,384	0	304,403,450
2041	336,049,212	20,162,953	0	356,212,165	2041	304,403,450	18,264,207	0	322,667,656
2042	356,212,165	21,372,730	0	377,584,895	2042	322,667,656	19,360,059	0	342,027,716
2043	377,584,895	22,655,094	0	400,239,988	2043	342,027,716	20,521,663	0	362,549,379
2044	400,239,988	24,014,399	0	424,254,388	2044	362,549,379	21,752,963	0	384,302,342
2045	424,254,388	25,455,263	0	449,709,651	2045	384,302,342	23,058,140	0	407,360,482
2046	449,709,651	26,982,579	0	476,692,230	2046	407,360,482	24,441,629	0	431,802,111
2047	476,692,230	28,601,534	0	505,293,764	2047	431,802,111	25,908,127	0	457,710,238
					2048	457,710,238	27,462,614	0	485,172,852
					2049	485,172,852	29,110,371	0	514,283,223
				<b>349,088,000</b>					<b>366,117,000</b>
				<b>NRC Min</b>					<b>NRC Min</b>
				<b>from 2/15 letter</b>					<b>from 2/15 letter</b>