

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

**Enclosure 1**

**Georgia Power Company Response**

Bin 10120  
241 Ralph McGill Boulevard, NE  
Atlanta, Georgia, 30308

404.506.0997



March 16, 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, Georgia Power Company (GPC) 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 GPC.

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,

GEORGIA POWER COMPANY, by,

A handwritten signature in black ink, appearing to read "David Poroch".

David Poroch  
Vice President & Comptroller  
Enclosure

**Enclosure**

**Vogtle Electric Generating Plant**

**Georgia Power Company  
Ownership Percentage – 45.7%**

	<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>	\$236,641,000 <sup>2</sup>	\$236,641,000 <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).	\$124,445,000	\$133,552,000
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% 4.41% 2.00% None	2.41% 4.41% 2.00% 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.	No modification since the last report. Funding is to an External Sinking Fund with the sources of funds from Traditional Cost of Service ratemaking as ordered by the GPSC.	No modification since the last report. Funding is to an External Sinking Fund with the sources of funds from Traditional Cost of Service ratemaking as ordered by the GPSC.
7	Any material changes to trust agreements.	None	None

**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.

<sup>3</sup> This amount represents the December 31, 2014 balance of funds in the external trust designated for license termination and does not include funds identified and held in subaccounts within the external trusts for spent

fuel management and decommissioning of spent fuel storage facilities. The subaccounts include \$12,781,000 and \$18,638,000, for Units 1 and 2, respectively, funded through rates in accordance with Georgia Public Service Commission Orders.

**Attachment 1**

**Schedule of the Annual Amounts Remaining to be Collected**

**GEORGIA POWER COMPANY  
NUCLEAR DECOMMISSIONING**  
Based on 12/31/2014 Fund Balances  
(In thousands)

**VOGTLE 1**

	BEG OF YEAR FUND BAL	FUND EARNINGS	FUND CONTRIB	Adjusted Annual Expend.	END OF YEAR FUND BAL
2015	124,445	5,505	495	0	130,445
2016	130,445	5,770	495	0	136,710
2017	136,710	6,046	495	0	143,251
2018	143,251	6,335	495	0	150,081
2019	150,081	6,636	495	0	157,212
2020	157,212	6,950	495	0	164,657
2021	164,657	7,279	495	0	172,431
2022	172,431	7,622	495	0	180,548
2023	180,548	7,980	495	0	189,023
2024	189,023	8,353	495	0	197,871
2025	197,871	8,744	495	0	207,110
2026	207,110	9,151	495	0	216,756
2027	216,756	9,576	495	0	226,827
2028	226,827	10,020	495	0	237,342
2029	237,342	10,484	495	0	248,321
2030	248,321	10,968	495	0	259,784
2031	259,784	11,474	495	0	271,753
2032	271,753	12,002	495	0	284,250
2033	284,250	12,553	495	0	297,298
2034	297,298	13,128	495	0	310,921
2035	310,921	13,729	495	0	325,145
2036	325,145	14,356	495	0	339,996
2037	339,996	15,011	495	0	355,502
2038	355,502	15,695	495	0	371,692
2039	371,692	16,409	495	0	388,596
2040	388,596	17,154	495	0	406,245
2041	406,245	17,933	495	0	424,673
2042	424,673	18,745	495	0	443,913
2043	443,913	19,594	495	0	464,002
2044	464,002	20,480	495	0	484,977
2045	484,977	21,405	495	0	506,877
2046	506,877	22,371	495	0	529,743
2047	529,743	12,767	0	0	542,510

**GEORGIA POWER COMPANY  
NUCLEAR DECOMMISSIONING**  
Based on 12/31/2014 Fund Balances  
(In thousands)

**VOGTLE 2**

	BEG OF YEAR FUND BAL	FUND EARNINGS	FUND CONTRIB	Adjusted Annual Expend.	END OF YEAR FUND BAL
2015	133,552	5,890	0	0	139,442
2016	139,442	6,149	0	0	145,591
2017	145,591	6,421	0	0	152,012
2018	152,012	6,704	0	0	158,716
2019	158,716	6,999	0	0	165,715
2020	165,715	7,308	0	0	173,023
2021	173,023	7,630	0	0	180,653
2022	180,653	7,967	0	0	188,620
2023	188,620	8,318	0	0	196,938
2024	196,938	8,685	0	0	205,623
2025	205,623	9,068	0	0	214,691
2026	214,691	9,468	0	0	224,159
2027	224,159	9,885	0	0	234,044
2028	234,044	10,321	0	0	244,365
2029	244,365	10,776	0	0	255,141
2030	255,141	11,252	0	0	266,393
2031	266,393	11,748	0	0	278,141
2032	278,141	12,266	0	0	290,407
2033	290,407	12,807	0	0	303,214
2034	303,214	13,372	0	0	316,586
2035	316,586	13,961	0	0	330,547
2036	330,547	14,577	0	0	345,124
2037	345,124	15,220	0	0	360,344
2038	360,344	15,891	0	0	376,235
2039	376,235	16,592	0	0	392,827
2040	392,827	17,324	0	0	410,151
2041	410,151	18,088	0	0	428,239
2042	428,239	18,885	0	0	447,124
2043	447,124	19,718	0	0	466,842
2044	466,842	20,588	0	0	487,430
2045	487,430	21,496	0	0	508,926
2046	508,926	22,444	0	0	531,370
2047	531,370	23,433	0	0	554,803
2048	554,803	24,467	0	0	579,270
2049	579,270	13,960	0	0	593,230