

**Edwin I. Hatch Nuclear Plant
Financial Assurance Requirements for Decommissioning
Nuclear Power Reactors (10 CFR 50.75(f)(1))**

Enclosure 1

Georgia Power Company Response

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50-366

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

Edwin I. Hatch Nuclear 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. Georgia Power Company (GPC) hereby submits the enclosed information in accordance with 10 CFR 50.75(f)(1) for operating licenses DPR-57 and NPF-5 issued for Edwin I. Hatch Nuclear Plant Unit 1 and 2, respectively. Southern Nuclear Operating Company, as the operating licensee and as an agent for the owners of the Edwin I. Hatch Nuclear 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 the Edwin I. Hatch Nuclear 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 DPR-57 and NPF-5.

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

Respectfully submitted,

GEORGIA POWER COMPANY, by,

David Poroach
Vice President & Comptroller
Enclosure

Enclosure

Edwin I. Hatch Nuclear Plant

Georgia Power Company Ownership Percentage – 50.1%

	10 CFR 50.75(f)(1) Requirement	Unit 1	Unit 2
1	The NRC minimum decommissioning estimate, pursuant to 10 CFR 50.75(b) and (c). ¹	\$323,874,000 ²	\$323,874,000 ²
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).	\$251,094,000 ³	\$232,724,000 ³
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:

¹ 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.

² 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.

³ 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 \$110,000 and \$6,058,000, 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)**

HATCH 1

YEAR	BEG OF YEAR FUND BAL	FUND EARNINGS	FUND CONTRIB	Adjusted Annual Expend.	END OF YEAR FUND BAL
2015	251,094	11,073	0	0	262,167
2016	262,167	11,562	0	0	273,729
2017	273,729	12,071	0	0	285,800
2018	285,800	12,604	0	0	298,404
2019	298,404	13,160	0	0	311,564
2020	311,564	13,740	0	0	325,304
2021	325,304	14,346	0	0	339,650
2022	339,650	14,979	0	0	354,629
2023	354,629	15,639	0	0	370,268
2024	370,268	16,329	0	0	386,597
2025	386,597	17,049	0	0	403,646
2026	403,646	17,801	0	0	421,447
2027	421,447	18,586	0	0	440,033
2028	440,033	19,405	0	0	459,438
2029	459,438	20,261	0	0	479,699
2030	479,699	21,155	0	0	500,854
2031	500,854	22,088	0	0	522,942
2032	522,942	23,062	0	0	546,004
2033	546,004	24,079	0	0	570,083
2034	570,083	13,739	0	0	583,822

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

HATCH 2

YEAR	BEG OF YEAR FUND BAL	FUND EARNINGS	FUND CONTRIB	Adjusted Annual Expend.	END OF YEAR FUND BAL
2015	232,724	10,263	0	0	242,987
2016	242,987	10,716	0	0	253,703
2017	253,703	11,188	0	0	264,891
2018	264,891	11,682	0	0	276,573
2019	276,573	12,197	0	0	288,770
2020	288,770	12,735	0	0	301,505
2021	301,505	13,296	0	0	314,801
2022	314,801	13,883	0	0	328,684
2023	328,684	14,495	0	0	343,179
2024	343,179	15,134	0	0	358,313
2025	358,313	15,802	0	0	374,115
2026	374,115	16,498	0	0	390,613
2027	390,613	17,226	0	0	407,839
2028	407,839	17,986	0	0	425,825
2029	425,825	18,779	0	0	444,604
2030	444,604	19,607	0	0	464,211
2031	464,211	20,472	0	0	484,683
2032	484,683	21,375	0	0	506,058
2033	506,058	22,317	0	0	528,375
2034	528,375	23,301	0	0	551,676
2035	551,676	24,329	0	0	576,005
2036	576,005	25,402	0	0	601,407
2037	601,407	26,522	0	0	627,929
2038	627,929	15,133	0	0	643,062