



MAR 29 2017

10 CFR 50.75(f)
10 CFR 72.30(b)

LR-N17-0043

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

Hope Creek Generating Station
Renewed Facility Operating License No. NPF-57
NRC Docket No. 50-354 and 72-48

Salem Generating Station, Units 1 and 2
Renewed Facility Operating License Nos. DPR-70 and DPR-75
NRC Docket Nos. 50-272, 50-311, and 72-48

Peach Bottom Atomic Power Station, Units 2 and 3
Renewed Facility Operating License Nos. DPR-44 and DPR-56
NRC Docket No. 50-277, 50-278 and 72-29

Subject: **Report on Status of Decommissioning Funding for Reactors and Independent Spent Fuel Storage Installations**

In accordance with 10 CFR 50.75, "Reporting and recordkeeping for decommissioning planning," paragraph (f), PSEG Nuclear LLC (PSEG) is submitting a report on the status of decommissioning funding for the reactors owned by PSEG. Additionally, in accordance with 10 CFR 72.30, "Financial assurance and recordkeeping for decommissioning," PSEG is submitting a report on the status of decommissioning funding for the independent spent fuel storage installations (ISFSIs) owned by PSEG. Updated decommissioning cost estimates for ISFSI decommissioning are provided in the attached report.

In accordance with 10 CFR 50.75(b)(4), 50.75(c), and 50.75(f), the estimated cost of decommissioning for financial assurance is based on either the NRC formula cost amount calculated in accordance with 10 CFR 50.75(c) or on site-specific decommissioning cost estimates. If used in this report, the site-specific decommissioning cost estimates are based on a period of safe storage that is specifically described in the estimates. Site-specific cash flows from the site specific cost estimates are included, as applicable. Unless otherwise noted, the specific cash flow analysis for the site specific decommissioning cost estimates conservatively assumes all expenses in a year are incurred at the beginning of year (i.e., beginning of year convention) during the decommissioning period.

MAR 29 2017

Page 2
LR-N17-0043

10 CFR 50.75(f)
10 CFR 72.30(b)

There were no disbursements from the decommissioning trust funds other than those for allowed administrative costs and other incidental expenses of the fund in connection with the operation of the fund per 10 CFR 50.75(h)(1)(iv).

There are no regulatory commitments contained in this submittal.

If you have any questions or require additional information, please contact Ms. Tanya Timberman at 856-339-1426.

Sincerely,



David J. Mannai
Senior Director – Regulatory Operations

Attachments:

1. Labor, Energy, and Burial Factors Used in Calculations (All Facilities)
2. Annual Radiological Decommissioning Funding Assurance Report for Hope Creek Generating Station
3. Annual Radiological Decommissioning Funding Assurance Report for Salem Generating Station, Unit 1
4. Annual Radiological Decommissioning Funding Assurance Report for Salem Generating Station, Unit 2
5. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 2
6. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 3

cc: Mr. D. Dorman, Administrator, Region I, NRC
Ms. C. Parker, Project Manager, NRC
NRC Senior Resident Inspector, Salem
NRC Senior Resident Inspector, Hope Creek
Mr. P. Mulligan, Chief, NJBNE
Corporate Commitment Tracking Coordinator
Hope Creek Commitment Tracking Coordinator
Salem Commitment Tracking Coordinator

LR-N17-0043

Attachment 1

Labor, Energy, and Burial Factors Used in Calculations (All Facilities)

Labor, Energy, and Burial Factors Used in Calculations (All Facilities)

The labor, energy, and burial indexes used are consistent with those described in NUREG-1307, Revision 16, issued March 2017.

The current labor cost indexes used are obtained from the Employment Cost Index, published by the U.S. Department of Labor, Bureau of Labor Statistics (BLS). Specifically, PSEG used the Employment Cost Index for total compensation for private industry workers by region. The labor adjustment factors were calculated according to Section 3.2 of NUREG-1307, Revision 16, using fourth quarter 2016 data. Table 1 shows the data used for this calculation.

Table 1: Labor Adjustment Factors

Region	Applicable Sites	Series ID	4Q2016 Index Number	Base L_x	Labor Adjustment Factor (L_x)
Northeast	Hope Creek Salem Peach Bottom	CIU2010000000210I	128.7	2.16	2.7799

The current energy cost indexes used are obtained from Producer Price Indexes (PPI) — Commodities, published by the U.S. Department of Labor, BLS. Specifically, PSEG used the PPI for industrial electric power (WPU0543) and light fuel oils (WPU0573). The energy adjustment factors were calculated according to Section 3.3 of NUREG-1307, Revision 16, using December 2016 data. Table 2 shows the data used for this calculation.

Table 2: Energy Adjustment Factors

WPU0543 – January 1986 (base value)	114.2
WPU0573 – January 1986 (base value)	82.0
WPU0543 – December 2016 (preliminary value)	215.0
WPU0573 – December 2016 (preliminary value)	152.0
Industrial electric power adjustment factor – P _x	1.8827
Light fuel oil adjustment factor – F _x	1.8537
Energy Adjustment Factor (PWR) – E _x (PWR)	1.8705
Energy Adjustment Factor (BWR) – E _x (BWR)	1.8693

The waste burial adjustment factors used are taken from Table 2-1 of NUREG-1307, Revision 16, based on 2016 data. The adjustment factors PSEG used assume a combination of compact-affiliated and non-compact facilities, consistent with current waste disposal practices at PSEG and consistent with typical waste disposal practices during decommissioning. Table 3 summarizes the data used for the calculation of the waste adjustment factors.

Labor, Energy, and Burial Factors Used in Calculations (All Facilities)

Table 3: Waste Adjustment Factors

LLW Burial Site	Reactor Type	Applicable Site	Combination of Compact-Affiliated and Non-Compact Facility Waste Adjustment Factor (B_x)
South Carolina site Atlantic Compact	BWR	Hope Creek	12.111
South Carolina site Atlantic Compact	PWR	Salem	10.971
Generic LLW Disposal Site	BWR	Peach Bottom	13.132

The calculation methodology used for all adjustment factors is consistent with NUREG-1307, Revision 16.

LR-N17-0043

Attachment 2

**Annual Radiological Decommissioning Funding Assurance Report for
Hope Creek Generating Station**

**Annual Radiological Decommissioning Funding Assurance Report for
Hope Creek Generating Station**
(December 31, 2016 dollars, thousands)

Formula cost amount per 10 CFR 50.75(c)	\$ 636,441	
Site-specific cost amount per 10 CFR 50.75(b)(4)	\$1,080,204	Note (a)
Site-specific cost amount per 10 CFR 72.30(b)	\$ 6,803	Note (b)
Amount of decommissioning trust funds accumulated as of December 31, 2016	\$ 536,295	Note (c)
Schedule of annual amounts remaining to be collected	- None -	
Assumptions used in funding projections	2% April 11, 2046	Note (d)
There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v)		
Modifications occurring to a licensee's current method of providing financial assurance since the last submitted report	- None -	
Material changes to trust agreements	- None -	

Notes:

- (a) This is based on the SAFSTOR scenario from the site-specific cost estimate, and is greater than the formula cost amount under 10 CFR 50.75(c), as required by 10 CFR 50.75(b)(1). Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (b) This is based on the site-specific cost estimate. Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (c) The trust fund amount is the amount allocated for Radiological Decommissioning only.
- (d) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i). For purposes of this report, permanent termination of operations (shutdown) is expected on April 11, 2046.

**Annual Radiological Decommissioning Funding Assurance Report for
Hope Creek Generating Station**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2046	\$ 61,661	\$ -	\$ 952,376	\$ 890,715	\$ 17,814	\$ 908,530
2047	106,047	-	908,530	802,483	16,050	818,533
2048	4,948	-	818,533	813,585	16,272	829,857
2049	4,934	-	829,857	824,922	16,498	841,421
2050	4,934	-	841,421	836,487	16,730	853,216
2051	4,848	-	853,216	848,368	16,967	865,336
2052	4,566	-	865,336	860,770	17,215	877,985
2053	4,554	-	877,985	873,431	17,469	890,900
2054	4,554	-	890,900	886,346	17,727	904,073
2055	4,554	-	904,073	899,519	17,990	917,509
2056	4,566	-	917,509	912,943	18,259	931,202
2057	4,554	-	931,202	926,648	18,533	945,181
2058	4,554	-	945,181	940,627	18,813	959,440
2059	4,554	-	959,440	954,886	19,098	973,983
2060	4,566	-	973,983	969,417	19,388	988,806
2061	4,554	-	988,806	984,252	19,685	1,003,937
2062	4,554	-	1,003,937	999,383	19,988	1,019,371
2063	4,554	-	1,019,371	1,014,817	20,296	1,035,113
2064	4,566	-	1,035,113	1,030,547	20,611	1,051,158
2065	4,554	-	1,051,158	1,046,604	20,932	1,067,536
2066	4,554	-	1,067,536	1,062,982	21,260	1,084,242
2067	4,554	-	1,084,242	1,079,688	21,594	1,101,282
2068	4,566	-	1,101,282	1,096,715	21,934	1,118,649
2069	4,554	-	1,118,649	1,114,096	22,282	1,136,378
2070	4,554	-	1,136,378	1,131,824	22,636	1,154,460
2071	4,554	-	1,154,460	1,149,906	22,998	1,172,904
2072	4,566	-	1,172,904	1,168,338	23,367	1,191,705
2073	4,554	-	1,191,705	1,187,151	23,743	1,210,894
2074	4,554	-	1,210,894	1,206,340	24,127	1,230,467
2075	4,554	-	1,230,467	1,225,913	24,518	1,250,431
2076	4,566	-	1,250,431	1,245,865	24,917	1,270,782
2077	4,554	-	1,270,782	1,266,229	25,325	1,291,553
2078	4,554	-	1,291,553	1,286,999	25,740	1,312,739
2079	4,554	-	1,312,739	1,308,185	26,164	1,334,349
2080	4,566	-	1,334,349	1,329,783	26,596	1,356,378
2081	4,554	-	1,356,378	1,351,825	27,036	1,378,861
2082	4,554	-	1,378,861	1,374,307	27,486	1,401,793
2083	4,554	-	1,401,793	1,397,240	27,945	1,425,184
2084	4,566	-	1,425,184	1,420,618	28,412	1,449,030
2085	4,554	-	1,449,030	1,444,477	28,890	1,473,366

**Annual Radiological Decommissioning Funding Assurance Report for
Hope Creek Generating Station**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2086	4,554	-	1,473,366	1,468,812	29,376	1,498,188
2087	4,554	-	1,498,188	1,493,635	29,873	1,523,507
2088	4,566	-	1,523,507	1,518,941	30,379	1,549,320
2089	4,526	-	1,549,320	1,544,793	30,896	1,575,689
2090	4,526	-	1,575,689	1,571,163	31,423	1,602,586
2091	4,526	-	1,602,586	1,598,060	31,961	1,630,021
2092	4,539	-	1,630,021	1,625,482	32,510	1,657,992
2093	4,526	-	1,657,992	1,653,466	33,069	1,686,535
2094	4,526	-	1,686,535	1,682,009	33,640	1,715,649
2095	4,526	-	1,715,649	1,711,123	34,222	1,745,345
2096	4,539	-	1,745,345	1,740,806	34,816	1,775,623
2097	4,526	-	1,775,623	1,771,096	35,422	1,806,518
2098	4,526	-	1,806,518	1,801,992	36,040	1,838,032
2099	4,526	-	1,838,032	1,833,505	36,670	1,870,175
2100	37,676	-	1,870,175	1,832,499	36,650	1,869,149
2101	98,897	-	1,869,149	1,770,252	35,405	1,805,657
2102	209,164	-	1,805,657	1,596,493	31,930	1,628,423
2103	117,920	2,548	1,628,423	1,507,955	30,159	1,538,114
2104	109,451	2,801	1,538,114	1,425,862	28,517	1,454,379
2105	84,940	1,454	1,454,379	1,367,985	27,360	1,395,345
2106	16,159	-	1,395,345	1,379,185	27,584	1,406,769
2107	124	-	1,406,769	1,406,645	28,133	1,434,778
2108	70	-	1,434,778	1,434,708	28,694	1,463,402
Total	\$ 1,080,204	\$ 6,803				

Note 1: Trust Fund Value @ 12/31/2016 \$536,295 EOL = 4/11/2046
 Note 2: Years to EOL = 29.27583847 29

LR-N17-0043

Attachment 3

**Annual Radiological Decommissioning Funding Assurance Report for
Salem Generating Station, Unit 1**

**Annual Radiological Decommissioning Funding Assurance Report for
Salem Generating Station, Unit 1**
(December 31, 2016 dollars, thousands)

Formula cost amount per 10 CFR 50.75(c)	\$ 269,076	
Site-specific cost amount per 10 CFR 50.75(b)(4)	\$ 403,830	Note (a)
Site-specific cost amount per 10 CFR 72.30(b)	\$ 2,198	Note (b)
Amount of decommissioning trust funds accumulated as of December 31, 2016	\$ 374,602	Note (c)
Schedule of annual amounts remaining to be collected	- None -	
Assumptions used in funding projections	2% August 13, 2036	Note (d)
There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v)		
Modifications occurring to a licensee's current method of providing financial assurance since the last submitted report	- None -	
Material changes to trust agreements	- None -	

Notes:

- (a) This is based on the SAFSTOR scenario from the site-specific cost estimate, and is greater than the formula cost amount under 10 CFR 50.75(c), as required by 10 CFR 50.75(b)(1). Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (b) This is based on the site-specific cost estimate. Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (c) The trust fund amount is the amount allocated for Radiological Decommissioning only.
- (d) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i). For purposes of this report, permanent termination of operations (shutdown) is expected on August 13, 2036.

**Annual Radiological Decommissioning Funding Assurance Report for
Salem Generating Station, Unit 1**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2036	\$ 14,737	\$ -	\$ 545,725	\$ 530,988	\$ 10,620	\$ 541,608
2037	49,822	-	541,608	491,787	9,836	501,622
2038	6,881	-	501,622	494,741	9,895	504,636
2039	2,539	-	504,636	502,097	10,042	512,139
2040	2,546	-	512,139	509,592	10,192	519,784
2041	2,539	-	519,784	517,245	10,345	527,590
2042	1,574	-	527,590	526,015	10,520	536,536
2043	1,446	-	536,536	535,090	10,702	545,792
2044	1,449	-	545,792	544,342	10,887	555,229
2045	1,446	-	555,229	553,784	11,076	564,859
2046	1,446	-	564,859	563,414	11,268	574,682
2047	1,446	-	574,682	573,237	11,465	584,701
2048	1,449	-	584,701	583,252	11,665	594,917
2049	1,446	-	594,917	593,471	11,869	605,341
2050	1,446	-	605,341	603,895	12,078	615,973
2051	1,446	-	615,973	614,528	12,291	626,818
2052	1,449	-	626,818	625,369	12,507	637,876
2053	1,446	-	637,876	636,431	12,729	649,159
2054	1,446	-	649,159	647,714	12,954	660,668
2055	1,446	-	660,668	659,223	13,184	672,407
2056	1,449	-	672,407	670,958	13,419	684,377
2057	1,446	-	684,377	682,931	13,659	696,590
2058	1,446	-	696,590	695,144	13,903	709,047
2059	1,446	-	709,047	707,602	14,152	721,754
2060	1,449	-	721,754	720,304	14,406	734,710
2061	1,446	-	734,710	733,265	14,665	747,930
2062	1,446	-	747,930	746,485	14,930	761,414
2063	1,446	-	761,414	759,969	15,199	775,168
2064	1,449	-	775,168	773,719	15,474	789,193
2065	1,446	-	789,193	787,748	15,755	803,502
2066	1,446	-	803,502	802,057	16,041	818,098
2067	1,446	-	818,098	816,653	16,333	832,986
2068	1,449	-	832,986	831,536	16,631	848,167
2069	1,446	-	848,167	846,721	16,934	863,656
2070	1,446	-	863,656	862,210	17,244	879,454
2071	1,446	-	879,454	878,009	17,560	895,569
2072	1,449	-	895,569	894,120	17,882	912,002
2073	1,446	-	912,002	910,557	18,211	928,768
2074	1,446	-	928,768	927,322	18,546	945,869

**Annual Radiological Decommissioning Funding Assurance Report for
Salem Generating Station, Unit 1
(December 31, 2016 dollars, thousands)**

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2075	1,446	-	945,869	944,423	18,888	963,312
2076	1,449	-	963,312	961,862	19,237	981,099
2077	1,446	-	981,099	979,654	19,593	999,247
2078	1,446	-	999,247	997,801	19,956	1,017,757
2079	1,446	-	1,017,757	1,016,312	20,326	1,036,638
2080	1,449	-	1,036,638	1,035,189	20,704	1,055,892
2081	1,446	-	1,055,892	1,054,447	21,089	1,075,536
2082	1,446	-	1,075,536	1,074,090	21,482	1,095,572
2083	1,446	-	1,095,572	1,094,127	21,883	1,116,009
2084	1,449	-	1,116,009	1,114,560	22,291	1,136,851
2085	1,446	-	1,136,851	1,135,405	22,708	1,158,113
2086	1,446	-	1,158,113	1,156,668	23,133	1,179,801
2087	1,446	-	1,179,801	1,178,356	23,567	1,201,923
2088	1,449	-	1,201,923	1,200,473	24,009	1,224,483
2089	11,955	-	1,224,483	1,212,528	24,251	1,236,778
2090	33,228	-	1,236,778	1,203,550	24,071	1,227,621
2091	81,338	-	1,227,621	1,146,283	22,926	1,169,209
2092	50,862	593	1,169,209	1,117,754	22,355	1,140,109
2093	33,608	866	1,140,109	1,105,635	22,113	1,127,747
2094	28,782	738	1,127,747	1,098,227	21,965	1,120,192
2095	3,734	-	1,120,192	1,116,458	22,329	1,138,787
2096	13,006	-	1,138,787	1,125,781	22,516	1,148,297
2097	86	-	1,148,297	1,148,211	22,964	1,171,176
2098	53	-	1,171,176	1,171,123	23,422	1,194,546
Total	\$ 403,830	\$ 2,198				

Note 1: Trust Fund Value @ 12/31/2016 \$ 374,602 EOL = 8/13/2036
 Note 2: Years to EOL = 19.61670089 19

LR-N17-0043

Attachment 4

**Annual Radiological Decommissioning Funding Assurance Report for
Salem Generating Station, Unit 2**

**Annual Radiological Decommissioning Funding Assurance Report for
Salem Generating Station, Unit 2**
(December 31, 2016 dollars, thousands)

Formula cost amount per 10 CFR 50.75(c)	\$ 269,076	
Site-specific cost amount per 10 CFR 50.75(b)(4)	\$ 423,649	Note (a)
Site-specific cost amount per 10 CFR 72.30(b)	\$ 2,198	Note (b)
Amount of decommissioning trust funds accumulated as of December 31, 2016	\$ 327,104	Note (c)
Schedule of annual amounts remaining to be collected	- None -	
Assumptions used in funding projections	2% April 18, 2040	Note (d)
There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v)		
Modifications occurring to a licensee's current method of providing financial assurance since the last submitted report	- None -	
Material changes to trust agreements	- None -	

Notes:

- (a) This is based on the SAFSTOR scenario from the site-specific cost estimate, and is greater than the formula cost amount under 10 CFR 50.75(c), as required by 10 CFR 50.75(b)(1). Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (b) This is based on the site-specific cost estimate. Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (c) The trust fund amount is the amount allocated for Radiological Decommissioning only.
- (d) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i). For purposes of this report, permanent termination of operations (shutdown) is expected on April 18, 2040.

**Annual Radiological Decommissioning Funding Assurance Report for
Salem Generating Station, Unit 2**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2040	\$ 24,837	\$ -	\$ 515,810	\$ 490,973	\$ 9,819	\$ 500,792
2041	38,859	-	500,792	461,933	9,239	471,172
2042	1,946	-	471,172	469,226	9,385	478,610
2043	1,946	-	478,610	476,664	9,533	486,197
2044	1,952	-	486,197	484,245	9,685	493,930
2045	1,927	-	493,930	492,003	9,840	501,843
2046	1,849	-	501,843	499,995	10,000	509,995
2047	1,849	-	509,995	508,146	10,163	518,309
2048	1,854	-	518,309	516,455	10,329	526,784
2049	1,849	-	526,784	524,935	10,499	535,434
2050	1,849	-	535,434	533,585	10,672	544,257
2051	1,849	-	544,257	542,409	10,848	553,257
2052	1,854	-	553,257	551,403	11,028	562,431
2053	1,849	-	562,431	560,582	11,212	571,794
2054	1,849	-	571,794	569,945	11,399	581,344
2055	1,849	-	581,344	579,495	11,590	591,085
2056	1,854	-	591,085	589,232	11,785	601,016
2057	1,849	-	601,016	599,167	11,983	611,151
2058	1,849	-	611,151	609,302	12,186	621,488
2059	1,849	-	621,488	619,639	12,393	632,032
2060	1,854	-	632,032	630,178	12,604	642,782
2061	1,849	-	642,782	640,933	12,819	653,752
2062	1,849	-	653,752	651,903	13,038	664,941
2063	1,849	-	664,941	663,093	13,262	676,355
2064	1,854	-	676,355	674,501	13,490	687,991
2065	1,849	-	687,991	686,142	13,723	699,865
2066	1,849	-	699,865	698,016	13,960	711,977
2067	1,849	-	711,977	710,128	14,203	724,330
2068	1,854	-	724,330	722,477	14,450	736,926
2069	1,849	-	736,926	735,077	14,702	749,779
2070	1,849	-	749,779	747,930	14,959	762,889
2071	1,849	-	762,889	761,040	15,221	776,261
2072	1,854	-	776,261	774,407	15,488	789,895
2073	1,849	-	789,895	788,047	15,761	803,808
2074	1,849	-	803,808	801,959	16,039	817,998
2075	1,849	-	817,998	816,149	16,323	832,472
2076	1,854	-	832,472	830,619	16,612	847,231
2077	1,849	-	847,231	845,382	16,908	862,290
2078	1,849	-	862,290	860,441	17,209	877,650

**Annual Radiological Decommissioning Funding Assurance Report for
Salem Generating Station, Unit 2**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2079	1,849	-	877,650	875,801	17,516	893,317
2080	1,854	-	893,317	891,464	17,829	909,293
2081	1,849	-	909,293	907,444	18,149	925,593
2082	1,849	-	925,593	923,744	18,475	942,219
2083	1,849	-	942,219	940,370	18,807	959,178
2084	1,854	-	959,178	957,324	19,146	976,471
2085	1,849	-	976,471	974,622	19,492	994,114
2086	1,849	-	994,114	992,266	19,845	1,012,111
2087	1,849	-	1,012,111	1,010,262	20,205	1,030,467
2088	1,854	-	1,030,467	1,028,614	20,572	1,049,186
2089	1,841	-	1,049,186	1,047,345	20,947	1,068,292
2090	12,370	-	1,068,292	1,055,922	21,118	1,077,040
2091	29,194	-	1,077,040	1,047,846	20,957	1,068,803
2092	87,869	-	1,068,803	980,934	19,619	1,000,552
2093	48,455	685	1,000,552	951,412	19,028	970,440
2094	41,205	812	970,440	928,423	18,568	946,992
2095	38,481	701	946,992	907,810	18,156	925,966
2096	13,157	-	925,966	912,809	18,256	931,065
2097	37	-	931,065	931,029	18,621	949,649
2098	22	-	949,649	949,627	18,993	968,619
Total	\$ 423,649	\$ 2,198				

Note 1: Trust Fund Value @ 12/31/2016 \$ 327,104 EOL = 4/18/2040
 Note 2: Years to EOL = 23.29637235 23

LR-N17-0043

Attachment 5

**Annual Radiological Decommissioning Funding Assurance Report for
Peach Bottom Atomic Power Station, Unit 2**

**Annual Radiological Decommissioning Funding Assurance Report for
Peach Bottom Atomic Power Station, Unit 2**
(December 31, 2016 dollars, thousands)

Formula cost amount per 10 CFR 50.75(c)	\$ 333,382	
Site-specific cost amount per 10 CFR 50.75(b)(4)	\$ 425,155	Note (a)
Site-specific cost amount per 10 CFR 72.30(b)	\$ 2,344	Note (b)
Amount of decommissioning trust funds accumulated as of December 31, 2016	\$ 311,970	Note (c)
Schedule of annual amounts remaining to be collected	- None -	
Assumptions used in funding projections	2% August 8, 2033	Note (d)
There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v)		
Modifications occurring to a licensee's current method of providing financial assurance since the last submitted report	- None -	
Material changes to trust agreements	- None -	

Notes:

- (a) This is based on the SAFSTOR scenario from the site-specific cost estimate, and is greater than the formula cost amount under 10 CFR 50.75(c), as required by 10 CFR 50.75(b)(1). Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (b) This is based on the site-specific cost estimate. Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (c) The trust fund amount is the amount allocated for Radiological Decommissioning only.
- (d) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i). For purposes of this report, permanent termination of operations (shutdown) is expected on August 8, 2033.

**Annual Radiological Decommissioning Funding Assurance Report for
Peach Bottom Atomic Power Station, Unit 2**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2033	\$ 14,141	\$ -	\$ 428,268	\$ 414,127	\$ 8,283	\$ 422,410
2034	47,683	-	422,410	374,727	7,495	382,221
2035	5,605	-	382,221	376,616	7,532	384,148
2036	2,700	-	384,148	381,448	7,629	389,077
2037	2,693	-	389,077	386,384	7,728	394,112
2038	2,693	-	394,112	391,419	7,828	399,247
2039	1,819	-	399,247	397,429	7,949	405,377
2040	1,725	-	405,377	403,652	8,073	411,725
2041	1,720	-	411,725	410,005	8,200	418,205
2042	1,720	-	418,205	416,485	8,330	424,815
2043	1,720	-	424,815	423,094	8,462	431,556
2044	1,725	-	431,556	429,831	8,597	438,428
2045	1,720	-	438,428	436,708	8,734	445,442
2046	1,720	-	445,442	443,722	8,874	452,596
2047	1,720	-	452,596	450,876	9,018	459,893
2048	1,725	-	459,893	458,168	9,163	467,332
2049	1,720	-	467,332	465,612	9,312	474,924
2050	1,720	-	474,924	473,204	9,464	482,668
2051	1,720	-	482,668	480,947	9,619	490,566
2052	1,725	-	490,566	488,841	9,777	498,618
2053	1,720	-	498,618	496,898	9,938	506,836
2054	1,720	-	506,836	505,116	10,102	515,218
2055	1,720	-	515,218	513,498	10,270	523,768
2056	1,725	-	523,768	522,043	10,441	532,484
2057	2,592	-	532,484	529,891	10,598	540,489
2058	2,592	-	540,489	537,897	10,758	548,654
2059	2,592	-	548,654	546,062	10,921	556,983
2060	2,600	-	556,983	554,384	11,088	565,471
2061	2,592	-	565,471	562,879	11,258	574,136
2062	2,592	-	574,136	571,544	11,431	582,975
2063	2,592	-	582,975	580,382	11,608	591,990
2064	2,600	-	591,990	589,391	11,788	601,178
2065	2,592	-	601,178	598,586	11,972	610,558
2066	2,592	-	610,558	607,965	12,159	620,124
2067	2,592	-	620,124	617,532	12,351	629,883
2068	2,600	-	629,883	627,283	12,546	639,829
2069	2,592	-	639,829	637,236	12,745	649,981
2070	2,592	-	649,981	647,389	12,948	660,336
2071	2,592	-	660,336	657,744	13,155	670,899

**Annual Radiological Decommissioning Funding Assurance Report for
Peach Bottom Atomic Power Station, Unit 2**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2072	2,600	-	670,899	668,299	13,366	681,665
2073	2,592	-	681,665	679,073	13,581	692,654
2074	2,592	-	692,654	690,062	13,801	703,863
2075	2,592	-	703,863	701,270	14,025	715,296
2076	2,600	-	715,296	712,696	14,254	726,950
2077	2,592	-	726,950	724,358	14,487	738,845
2078	2,592	-	738,845	736,252	14,725	750,978
2079	2,592	-	750,978	748,385	14,968	763,353
2080	2,600	-	763,353	760,753	15,215	775,968
2081	2,592	-	775,968	773,376	15,468	788,843
2082	2,592	-	788,843	786,251	15,725	801,976
2083	2,592	-	801,976	799,383	15,988	815,371
2084	2,600	-	815,371	812,772	16,255	829,027
2085	2,592	-	829,027	826,435	16,529	842,963
2086	17,919	-	842,963	825,044	16,501	841,545
2087	38,749	-	841,545	802,795	16,056	818,851
2088	69,592	36	818,851	749,223	14,984	764,207
2089	36,773	827	764,207	726,607	14,532	741,139
2090	36,773	827	741,139	703,539	14,071	717,610
2091	29,282	653	717,610	687,675	13,754	701,429
2092	3,660	-	701,429	697,769	13,955	711,724
2093	10,483	-	711,724	701,241	14,025	715,266
2094	56	-	715,266	715,210	14,304	729,514
2095	36	-	729,514	729,478	14,590	744,068
Total	\$ 425,155	\$ 2,344				

Note 1: Trust Fund Value @ 12/31/2016 \$ 311,970 EOL = 8/8/2033
Note 2: Years to EOL = 16.60232717 16

LR-N17-0043

Attachment 6

**Annual Radiological Decommissioning Funding Assurance Report for
Peach Bottom Atomic Power Station, Unit 3**

**Annual Radiological Decommissioning Funding Assurance Report for
Peach Bottom Atomic Power Station, Unit 3**
(December 31, 2016 dollars, thousands)

Formula cost amount per 10 CFR 50.75(c)	\$ 333,382	
Site-specific cost amount per 10 CFR 50.75(b)(4)	\$ 438,327	Note (a)
Site-specific cost amount per 10 CFR 72.30(b)	\$ 2,344	Note (b)
Amount of decommissioning trust funds accumulated as of December 31, 2016	\$ 311,663	Note (c)
Schedule of annual amounts remaining to be collected	- None -	
Assumptions used in funding projections	2% July 2, 2034	Note (d)
There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v)		
Modifications occurring to a licensee's current method of providing financial assurance since the last submitted report	- None -	
Material changes to trust agreements	- None -	

Notes:

- (a) This is based on the SAFSTOR scenario from the site-specific cost estimate, and is greater than the formula cost amount under 10 CFR 50.75(c), as required by 10 CFR 50.75(b)(1). Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (b) This is based on the site-specific cost estimate. Costs have been escalated from 2015 dollars in the decommissioning cost estimate to December 31, 2016 at 3%.
- (c) The trust fund amount is the amount allocated for Radiological Decommissioning only.
- (d) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i). For purposes of this report, permanent termination of operations (shutdown) is expected on July 2, 2034.

**Annual Radiological Decommissioning Funding Assurance Report for
Peach Bottom Atomic Power Station, Unit 3**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2034	\$ 17,307	\$ -	\$ 436,403	\$ 419,096	\$ 8,382	\$ 427,478
2035	46,419	-	427,478	381,059	7,621	388,680
2036	2,764	-	388,680	385,915	7,718	393,634
2037	2,757	-	393,634	390,877	7,818	398,694
2038	2,757	-	398,694	395,937	7,919	403,856
2039	2,757	-	403,856	401,099	8,022	409,121
2040	2,671	-	409,121	406,450	8,129	414,579
2041	2,664	-	414,579	411,916	8,238	420,154
2042	2,664	-	420,154	417,490	8,350	425,840
2043	2,664	-	425,840	423,177	8,464	431,640
2044	2,671	-	431,640	428,969	8,579	437,549
2045	2,664	-	437,549	434,885	8,698	443,583
2046	2,664	-	443,583	440,919	8,818	449,737
2047	2,664	-	449,737	447,074	8,941	456,015
2048	2,671	-	456,015	453,344	9,067	462,411
2049	2,664	-	462,411	459,748	9,195	468,943
2050	2,664	-	468,943	466,279	9,326	475,605
2051	2,664	-	475,605	472,941	9,459	482,400
2052	2,671	-	482,400	479,729	9,595	489,323
2053	2,664	-	489,323	486,660	9,733	496,393
2054	2,664	-	496,393	493,729	9,875	503,604
2055	2,664	-	503,604	500,940	10,019	510,959
2056	2,671	-	510,959	508,288	10,166	518,454
2057	2,655	-	518,454	515,799	10,316	526,115
2058	2,655	-	526,115	523,460	10,469	533,930
2059	2,655	-	533,930	531,275	10,625	541,900
2060	2,662	-	541,900	539,238	10,785	550,023
2061	2,655	-	550,023	547,368	10,947	558,316
2062	2,655	-	558,316	555,661	11,113	566,774
2063	2,655	-	566,774	564,119	11,282	575,402
2064	2,662	-	575,402	572,740	11,455	584,195
2065	2,655	-	584,195	581,540	11,631	593,171
2066	2,655	-	593,171	590,516	11,810	602,326
2067	2,655	-	602,326	599,671	11,993	611,665
2068	2,662	-	611,665	609,003	12,180	621,183
2069	2,655	-	621,183	618,528	12,371	630,898
2070	2,655	-	630,898	628,244	12,565	640,809
2071	2,655	-	640,809	638,154	12,763	650,917
2072	2,662	-	650,917	648,255	12,965	661,220

**Annual Radiological Decommissioning Funding Assurance Report for
Peach Bottom Atomic Power Station, Unit 3**
(December 31, 2016 dollars, thousands)

Year	Site Radiological Decommissioning Cost	ISFSI Radiological Decommissioning Cost	BOY Trust Fund Value (Notes 1, 2)	BOY Trust Fund Value Less Cost	Trust Fund Earnings (2% growth)	EOY Trust Fund Value
2073	2,655	-	661,220	658,565	13,171	671,736
2074	2,655	-	671,736	669,082	13,382	682,463
2075	2,655	-	682,463	679,808	13,596	693,405
2076	2,662	-	693,405	690,743	13,815	704,557
2077	2,655	-	704,557	701,903	14,038	715,941
2078	2,655	-	715,941	713,286	14,266	727,552
2079	2,655	-	727,552	724,897	14,498	739,395
2080	2,662	-	739,395	736,733	14,735	751,467
2081	2,655	-	751,467	748,813	14,976	763,789
2082	2,655	-	763,789	761,134	15,223	776,357
2083	2,655	-	776,357	773,702	15,474	789,176
2084	2,662	-	789,176	786,514	15,730	802,244
2085	2,655	-	802,244	799,589	15,992	815,581
2086	2,655	-	815,581	812,926	16,259	829,185
2087	12,634	-	829,185	816,551	16,331	832,882
2088	28,539	-	832,882	804,342	16,087	820,429
2089	72,182	-	820,429	748,248	14,965	763,213
2090	38,931	818	763,213	723,463	14,469	737,933
2091	38,748	823	737,933	698,362	13,967	712,329
2092	35,960	703	712,329	675,666	13,513	689,180
2093	11,520	-	689,180	677,659	13,553	691,213
2094	23	-	691,213	691,189	13,824	705,013
2095	15	-	705,013	704,998	14,100	719,098
Total	\$ 438,327	\$ 2,344				

Note 1: Trust Fund Value @ 12/31/2016 \$ 311,663 EOL = 7/2/2034
Note 2: Years to EOL = 17.50034223 17