



# Exelon Generation®

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RS-13-100

10 CFR 50.75(f)(1)

April 1, 2013

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

Braidwood Station, Units 1 and 2  
Facility Operating License Nos. NPF-72 and NPF-77  
NRC Docket Nos. STN 50-456 and STN 50-457

Byron Station, Units 1 and 2  
Facility Operating License Nos. NPF-37 and NPF-66  
NRC Docket Nos. STN 50-454 and STN 50-455

Clinton Power Station  
Facility Operating License No. NPF-62  
NRC Docket No. 50-461

Dresden Nuclear Power Station, Units 1, 2 and 3  
Facility Operating License No. DPR-2  
Renewed Facility Operating License Nos. DPR-19 and DPR-25  
NRC Docket Nos. 50-10, 50-237 and 50-249

LaSalle County Station, Units 1 and 2  
Facility Operating License Nos. NPF-11 and NPF-18  
NRC Docket Nos. 50-373 and 50-374

Limerick Generating Station, Units 1 and 2  
Facility Operating License Nos. NPF-39 and NPF-85  
NRC Docket Nos. 50-352 and 50-353

Oyster Creek Nuclear Generating Station  
Renewed Facility Operating License No. DPR-16  
NRC Docket No. 50-219

Peach Bottom Atomic Power Station, Units 1, 2, and 3  
Facility Operating License No. DPR-12  
Renewed Facility Operating License Nos. DPR-44 and DPR-56  
NRC Docket Nos. 50-171, 50-277, and 50-278

Quad Cities Nuclear Power Station, Units 1 and 2  
Renewed Facility Operating License Nos. DPR-29 and DPR-30  
NRC Docket Nos. 50-254 and 50-265

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

Three Mile Island Nuclear Station, Unit 1  
Renewed Facility Operating License No. DPR-50  
NRC Docket No. 50-289

Subject: 2013 Report on Status of Decommissioning Funding for Reactors

- References:
1. Letter from Patrick R. Simpson (Exelon Generation Company, LLC) to U. S. NRC, "Response to Request for Additional Information Regarding Status of Decommissioning Funding Assurance," dated May 21, 2012
  2. Letter from Patrick R. Simpson (Exelon Generation Company, LLC) to U. S. NRC, "Amended Nuclear Decommissioning Trust Agreements," dated January 15, 2013
  3. Letter from Patrick R. Simpson (Exelon Generation Company, LLC) to U. S. NRC, "Standby Trust Agreement," dated November 16, 2012

In accordance with 10 CFR 50.75, "Reporting and recordkeeping for decommissioning planning," paragraph (f)(1), Exelon Generation Company, LLC (EGC) is submitting a report on the status of decommissioning funding for the reactors owned by EGC.

In accordance with 10 CFR 50.75(b)(4), 50.75(c), and 50.75(f)(2), 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 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 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. The cash flow analysis for Peach Bottom Atomic Power Station, Unit 1, assumes that half of the current year contributions are included in the current year earnings to estimate payment of contributions throughout the year (i.e., a mid-year convention). EGC uses a mid-year convention in this instance because the contributions are made monthly at a constant rate throughout the year.

For shutdown units, the reporting requirements of 10 CFR 50.82, "Termination of license," paragraph (a)(8)(v) and (a)(8)(vii) are also included in this report.

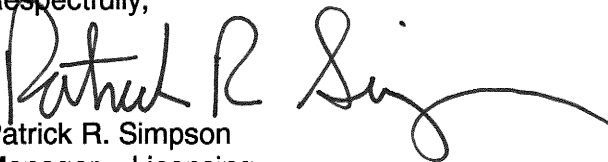
EGC has not made a final determination of the decommissioning approach for any of its nuclear units. EGC uses the formula cost amount or the site-specific decommissioning cost estimates to demonstrate adequacy of funding to meet NRC requirements. EGC may select a different decommissioning option in the future for any of its nuclear units, recognizing that the chosen option must meet NRC requirements for decommissioning funding.

As described in Reference 1, Exelon Corporation has established a parent company guarantee to provide additional decommissioning funding assurance for Limerick Generating Station, Unit 1. An updated financial test in accordance with 10 CFR 30, "Rules of General Applicability to Domestic Licensing of Byproduct Material," Appendix A, "Criteria Relating to Use of Financial Tests and Parent Company Guarantees for Providing Reasonable Assurance of Funds for Decommissioning," Section II, "Financial Tests," paragraph A and C, based on December 31, 2012, data is included in Attachment 23. In accordance with 10 CFR 30, Appendix A, paragraph B, Attachment 24 provides the required audit report in support of the updated financial test, and Attachment 25 provides additional information, from Exelon Corporation, regarding the parent company guarantee. There is no change to the value of the parent company guarantee, and there are no parent company guarantees established for any other units.

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

There are no regulatory commitments contained within this letter. If you have any questions about this letter, please contact Mr. Thomas J. Griffith at (630) 657-2823.

Respectfully,



Patrick R. Simpson  
Manager – Licensing

cc: Regional Administrator - NRC Region I  
Regional Administrator - NRC Region III  
NRC Senior Resident Inspector - Braidwood Station  
NRC Senior Resident Inspector - Byron Station  
NRC Senior Resident Inspector - Clinton Power Station  
NRC Senior Resident Inspector - Dresden Nuclear Power Station  
NRC Senior Resident Inspector - LaSalle County Station  
NRC Senior Resident Inspector - Limerick Generating Station  
NRC Senior Resident Inspector - Oyster Creek Nuclear Generating Station  
NRC Senior Resident Inspector - Peach Bottom Atomic Power Station  
NRC Senior Resident Inspector - Quad Cities Nuclear Power Station

cc: (continued)  
NRC Senior Resident Inspector - Salem  
NRC Senior Resident Inspector - Three Mile Island Nuclear Station, Unit 1

Attachments:

1. Labor, Energy, and Burial Factors Used in Calculations (All Facilities)
2. Annual Radiological Decommissioning Funding Assurance Report for Braidwood Station, Unit 1
3. Annual Radiological Decommissioning Funding Assurance Report for Braidwood Station, Unit 2
4. Annual Radiological Decommissioning Funding Assurance Report for Byron Station, Unit 1
5. Annual Radiological Decommissioning Funding Assurance Report for Byron Station, Unit 2
6. Annual Radiological Decommissioning Funding Assurance Report for Clinton Power Station, Unit 1
7. Annual Radiological Decommissioning Funding Assurance and Spent Fuel Management Report for Dresden Nuclear Power Station, Unit 1
8. Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 2
9. Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 3
10. Annual Radiological Decommissioning Funding Assurance Report for LaSalle County Station, Unit 1
11. Annual Radiological Decommissioning Funding Assurance Report for LaSalle County Station, Unit 2
12. Annual Radiological Decommissioning Funding Assurance Report for Limerick Generating Station, Unit 1
13. Annual Radiological Decommissioning Funding Assurance Report for Limerick Generating Station, Unit 2
14. Annual Radiological Decommissioning Funding Assurance Report for Oyster Creek Nuclear Generating Station
15. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 1
16. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 2
17. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 3
18. Annual Radiological Decommissioning Funding Assurance Report for Quad Cities Nuclear Power Station, Unit 1
19. Annual Radiological Decommissioning Funding Assurance Report for Quad Cities Nuclear Power Station, Unit 2
20. Annual Radiological Decommissioning Funding Assurance Report for Salem Generating Station, Unit 1
21. Annual Radiological Decommissioning Funding Assurance Report for Salem Generating Station, Unit 2
22. Annual Radiological Decommissioning Funding Assurance Report for Three Mile Island Nuclear Station, Unit 1

- 23. Parent Company Guarantee Financial Test for Limerick Generating Station, Unit 1
- 24. 10 CFR 30, Appendix A, Required Independent Auditor's Report for Parent Company Guarantee
- 25. Additional Information Regarding Parent Company Guarantee

## ATTACHMENT 1

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

The labor, energy, and burial indices used are consistent with those described in NUREG-1307, "Report on Waste Burial Charges: Changes in Decommissioning Waste Disposal Costs at Low-Level Waste Burial Facilities," Revision 15, published January 2013.

The current labor cost indices used are obtained from the "Employment Cost Indexes," published by the U.S. Department of Labor, Bureau of Labor Statistics (BLS). Specifically, EGC used the Employment Cost Index for total compensation for private industry workers by region. The labor adjustment factors were calculated according to Section 3.1 of NUREG-1307, Revision 15, using fourth quarter 2012 data. Table 1 shows the data used for this calculation.

<b>Table 1: Labor Adjustment Factors</b>					
<b>Region</b>	<b>Applicable Sites</b>	<b>Series ID</b>	<b>4Q2012 Index Number</b>	<b>Base <math>L_x</math></b>	<b>Labor Adjustment Factor (<math>L_x</math>)</b>
Northeast	Limerick Oyster Creek Peach Bottom Salem TMI	CIU2010000000210I	117.9	2.16	2.547
Midwest	Braidwood Byron Clinton Dresden LaSalle Quad Cities	CIU2010000000230I	115.9	2.08	2.411

The current energy cost indices used are obtained from Producer Price Indexes (PPI) – Commodities, published by the U.S. Department of Labor, BLS. Specifically, EGC used the PPI for industrial electric power (WPU0543) and light fuel oils (WPU0573). The energy adjustment factors were calculated according to Section 3.2 of NUREG-1307, Revision 15, using December 2012 data. Table 2 shows the data used for this calculation.

<b>Table 2: Energy Adjustment Factors</b>	
WPU0543 – January 1986 (base value)	114.2
WPU0573 – January 1986 (base value)	82.0
WPU0543 – December 2012 (preliminary value)	213.0
WPU0573 – December 2012 (preliminary value)	302.6
Industrial electric power adjustment factor - $P_x$	1.865
Light fuel oil adjustment factor - $F_x$	3.690
Energy Adjustment Factor (PWR) – $E_x(\text{PWR})$	2.632
Energy Adjustment Factor (BWR) – $E_x(\text{BWR})$	2.705

## ATTACHMENT 1

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

The waste burial adjustment factors used are taken from Table 2-1 of NUREG-1307, Revision 15, based on 2012 data. The adjustment factors EGC used assume a combination of compact-affiliated and non-compact facilities, consistent with current waste disposal practices at EGC and consistent with typical waste disposal practices during decommissioning. Table 3 summarizes the data used for the calculation of the waste adjustment factors.

<b>Table 3: Waste Adjustment Factors</b>			
<b>LLW Burial Site</b>	<b>Reactor Type</b>	<b>Applicable Site</b>	<b>Combination of Compact-Affiliated and Non-Compact Facility Waste Adjustment Factor (B<sub>x</sub>)</b>
South Carolina site Atlantic Compact	BWR	Oyster Creek	14.160
South Carolina site Atlantic Compact	PWR	Salem	13.885
Generic LLW Disposal Site	BWR	Clinton Dresden LaSalle Limerick Peach Bottom Quad Cities	14.160
Generic LLW Disposal Site	PWR	Braidwood Byron TMI	13.885

The calculation methodology used for all adjustment factors is consistent with NUREG-1307, Revision 15.

**ATTACHMENT 2**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**Braidwood Station, Unit 1**  
December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$ 521,198
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	\$ 640,480 (a)
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$ 256,580 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

- (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). The site-specific estimate has been previously provided in a letter from Patrick R. Simpson (EGC) to U.S.NRC, dated January 11, 2010 (TLG Report E16-1555-014, Revision 0, "Decommissioning Cost Analysis for the Braidwood Nuclear Power Station," October 2009). The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2012.
- (b) The trust fund amount is the amount allocated for radiological decommissioning only.
- (c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).
- (d) For purposes of this report, permanent termination of operations (shutdown) is expected on October 17, 2026.



**ATTACHMENT 2****Annual Radiological Decommissioning Funding Assurance Report for  
Braidwood Station, Unit 1**

December 31, 2012  
(Thousands of Dollars)

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2026	\$10,240	\$336,880	\$326,640	\$1,633	\$328,273
2027	\$55,578	\$328,273	\$272,695	\$5,454	\$278,149
2028	\$13,412	\$278,149	\$264,737	\$5,295	\$270,031
2029	\$3,899	\$270,031	\$266,132	\$5,323	\$271,455
2030	\$3,899	\$271,455	\$267,555	\$5,351	\$272,907
2031	\$3,899	\$272,907	\$269,007	\$5,380	\$274,387
2032	\$3,906	\$274,387	\$270,481	\$5,410	\$275,891
2033	\$3,894	\$275,891	\$271,996	\$5,440	\$277,436
2034	\$3,894	\$277,436	\$273,542	\$5,471	\$279,013
2035	\$3,894	\$279,013	\$275,119	\$5,502	\$280,621
2036	\$3,905	\$280,621	\$276,716	\$5,534	\$282,250
2037	\$3,894	\$282,250	\$278,356	\$5,567	\$283,923
2038	\$3,894	\$283,923	\$280,029	\$5,601	\$285,629
2039	\$3,894	\$285,629	\$281,735	\$5,635	\$287,370
2040	\$3,905	\$287,370	\$283,465	\$5,669	\$289,134
2041	\$3,894	\$289,134	\$285,240	\$5,705	\$290,945
2042	\$3,894	\$290,945	\$287,050	\$5,741	\$292,791
2043	\$3,894	\$292,791	\$288,897	\$5,778	\$294,675
2044	\$3,905	\$294,675	\$290,770	\$5,815	\$296,586
2045	\$3,894	\$296,586	\$292,691	\$5,854	\$298,545
2046	\$3,869	\$298,545	\$294,676	\$5,894	\$300,570
2047	\$3,869	\$300,570	\$296,701	\$5,934	\$302,635
2048	\$3,879	\$302,635	\$298,756	\$5,975	\$304,731
2049	\$3,869	\$304,731	\$300,862	\$6,017	\$306,879
2050	\$3,869	\$306,879	\$303,010	\$6,060	\$309,071
2051	\$3,869	\$309,071	\$305,202	\$6,104	\$311,306
2052	\$3,879	\$311,306	\$307,426	\$6,149	\$313,575
2053	\$3,869	\$313,575	\$309,706	\$6,194	\$315,900
2054	\$3,869	\$315,900	\$312,031	\$6,241	\$318,272
2055	\$3,869	\$318,272	\$314,403	\$6,288	\$320,691
2056	\$3,879	\$320,691	\$316,812	\$6,336	\$323,148
2057	\$3,869	\$323,148	\$319,279	\$6,386	\$325,665
2058	\$3,869	\$325,665	\$321,796	\$6,436	\$328,232
2059	\$3,869	\$328,232	\$324,363	\$6,487	\$330,851
2060	\$3,879	\$330,851	\$326,971	\$6,539	\$333,511
2061	\$3,869	\$333,511	\$329,642	\$6,593	\$336,235
2062	\$3,869	\$336,235	\$332,366	\$6,647	\$339,013
2063	\$3,869	\$339,013	\$335,144	\$6,703	\$341,847
2064	\$3,879	\$341,847	\$337,968	\$6,759	\$344,727
2065	\$3,869	\$344,727	\$340,858	\$6,817	\$347,675

## ATTACHMENT 2

### Annual Radiological Decommissioning Funding Assurance Report for Braidwood Station, Unit 1

December 31, 2012  
(Thousands of Dollars)

Year	Radiological Decommissioning Cost*	BOY Trust Fund Value	BOY Trust Fund Value Less Cost	Trust Fund Earnings	EOY Trust Fund Value
2066	\$3,869	\$347,675	\$343,807	\$6,876	\$350,683
2067	\$3,869	\$350,683	\$346,814	\$6,936	\$353,750
2068	\$3,879	\$353,750	\$349,871	\$6,997	\$356,868
2069	\$3,869	\$356,868	\$352,999	\$7,060	\$360,059
2070	\$3,869	\$360,059	\$356,191	\$7,124	\$363,314
2071	\$3,869	\$363,314	\$359,446	\$7,189	\$366,635
2072	\$3,879	\$366,635	\$362,755	\$7,255	\$370,010
2073	\$3,869	\$370,010	\$366,141	\$7,323	\$373,464
2074	\$3,869	\$373,464	\$369,595	\$7,392	\$376,987
2075	\$3,869	\$376,987	\$373,119	\$7,462	\$380,581
2076	\$3,879	\$380,581	\$376,701	\$7,534	\$384,236
2077	\$3,869	\$384,236	\$380,367	\$7,607	\$387,974
2078	\$3,869	\$387,974	\$384,105	\$7,682	\$391,787
2079	\$14,688	\$391,787	\$377,099	\$7,542	\$384,641
2080	\$54,359	\$384,641	\$330,282	\$6,606	\$336,887
2081	\$106,017	\$336,887	\$230,871	\$4,617	\$235,488
2082	\$84,848	\$235,488	\$150,640	\$3,013	\$153,653
2083	\$45,527	\$153,653	\$108,126	\$2,163	\$110,289
2084	\$35,710	\$110,289	\$74,578	\$1,492	\$76,070
2085	\$2,329	\$76,070	\$73,741	\$1,475	\$75,216
2086	\$23,546	\$75,216	\$51,669	\$1,033	\$52,703
2087	\$91	\$52,703	\$52,611	\$1,052	\$53,664
2088	\$92	\$53,664	\$53,572	\$1,071	\$54,644
2089	\$25	\$54,644	\$54,619	\$1,092	\$55,711

**Total           \$640,480**

\*Column may not add due to rounding

### ATTACHMENT 3

#### Annual Radiological Decommissioning Funding Assurance Report for Braidwood Station, Unit 2

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$521,198
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	\$699,929 (a)
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$281,456 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(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). The site-specific estimate has been previously provided in a letter from Patrick R. Simpson (EGC) to U.S.NRC, dated January 11, 2010 (TLG Report E16-1555-014, Revision 0, "Decommissioning Cost Analysis for the Braidwood Nuclear Power Station," October 2009). The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2012.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(d) For purposes of this report, permanent termination of operations (shutdown) is expected on December 18, 2027.

### ATTACHMENT 3

#### Annual Radiological Decommissioning Funding Assurance Report for Braidwood Station, Unit 2

December 31, 2012  
(Thousands of Dollars)

Year	Radiological Decommissioning Cost*	BOY Trust Fund Value	BOY Trust Fund Value Less Cost	Trust Fund Earnings	EOY Trust Fund Value
2027	\$2,039	\$378,178	\$376,139	\$627	\$376,766
2028	\$55,168	\$376,766	\$321,597	\$6,432	\$328,029
2029	\$44,919	\$328,029	\$283,110	\$5,662	\$288,772
2030	\$3,915	\$288,772	\$284,857	\$5,697	\$290,555
2031	\$3,915	\$290,555	\$286,640	\$5,733	\$292,373
2032	\$3,925	\$292,373	\$288,447	\$5,769	\$294,216
2033	\$3,910	\$294,216	\$290,306	\$5,806	\$296,112
2034	\$3,906	\$296,112	\$292,206	\$5,844	\$298,051
2035	\$3,906	\$298,051	\$294,145	\$5,883	\$300,028
2036	\$3,917	\$300,028	\$296,111	\$5,922	\$302,033
2037	\$3,906	\$302,033	\$298,127	\$5,963	\$304,090
2038	\$3,906	\$304,090	\$300,184	\$6,004	\$306,187
2039	\$3,906	\$306,187	\$302,281	\$6,046	\$308,327
2040	\$3,917	\$308,327	\$304,410	\$6,088	\$310,499
2041	\$3,906	\$310,499	\$306,593	\$6,132	\$312,724
2042	\$3,906	\$312,724	\$308,819	\$6,176	\$314,995
2043	\$3,906	\$314,995	\$311,089	\$6,222	\$317,311
2044	\$3,917	\$317,311	\$313,394	\$6,268	\$319,662
2045	\$3,906	\$319,662	\$315,756	\$6,315	\$322,071
2046	\$3,893	\$322,071	\$318,178	\$6,364	\$324,542
2047	\$3,893	\$324,542	\$320,649	\$6,413	\$327,062
2048	\$3,903	\$327,062	\$323,159	\$6,463	\$329,622
2049	\$3,893	\$329,622	\$325,729	\$6,515	\$332,244
2050	\$3,893	\$332,244	\$328,351	\$6,567	\$334,918
2051	\$3,893	\$334,918	\$331,025	\$6,621	\$337,646
2052	\$3,903	\$337,646	\$333,742	\$6,675	\$340,417
2053	\$3,893	\$340,417	\$336,525	\$6,730	\$343,255
2054	\$3,893	\$343,255	\$339,362	\$6,787	\$346,150
2055	\$3,893	\$346,150	\$342,257	\$6,845	\$349,102
2056	\$3,903	\$349,102	\$345,199	\$6,904	\$352,103
2057	\$3,893	\$352,103	\$348,210	\$6,964	\$355,174
2058	\$3,893	\$355,174	\$351,281	\$7,026	\$358,307
2059	\$3,893	\$358,307	\$354,414	\$7,088	\$361,502
2060	\$3,903	\$361,502	\$357,599	\$7,152	\$364,751
2061	\$3,893	\$364,751	\$360,858	\$7,217	\$368,076
2062	\$3,893	\$368,076	\$364,183	\$7,284	\$371,466
2063	\$3,893	\$371,466	\$367,574	\$7,351	\$374,925
2064	\$3,903	\$374,925	\$371,022	\$7,420	\$378,442
2065	\$3,893	\$378,442	\$374,549	\$7,491	\$382,040
2066	\$3,893	\$382,040	\$378,148	\$7,563	\$385,711

### ATTACHMENT 3

#### Annual Radiological Decommissioning Funding Assurance Report for Braidwood Station, Unit 2

December 31, 2012  
(Thousands of Dollars)

Year	Radiological Decommissioning Cost*	BOY Trust Fund Value	BOY Trust Fund Value Less Cost	Trust Fund Earnings	EOY Trust Fund Value
2067	\$3,893	\$385,711	\$381,818	\$7,636	\$389,454
2068	\$3,903	\$389,454	\$385,551	\$7,711	\$393,262
2069	\$3,893	\$393,262	\$389,369	\$7,787	\$397,157
2070	\$3,893	\$397,157	\$393,264	\$7,865	\$401,129
2071	\$3,893	\$401,129	\$397,236	\$7,945	\$405,181
2072	\$3,903	\$405,181	\$401,278	\$8,026	\$409,303
2073	\$3,893	\$409,303	\$405,411	\$8,108	\$413,519
2074	\$3,893	\$413,519	\$409,626	\$8,193	\$417,819
2075	\$3,893	\$417,819	\$413,926	\$8,279	\$422,204
2076	\$3,903	\$422,204	\$418,301	\$8,366	\$426,667
2077	\$3,893	\$426,667	\$422,774	\$8,455	\$431,230
2078	\$3,893	\$431,230	\$427,337	\$8,547	\$435,884
2079	\$3,893	\$435,884	\$431,991	\$8,640	\$440,631
2080	\$17,538	\$440,631	\$423,093	\$8,462	\$431,555
2081	\$39,820	\$431,555	\$391,735	\$7,835	\$399,569
2082	\$105,576	\$399,569	\$293,993	\$5,880	\$299,873
2083	\$79,540	\$299,873	\$220,332	\$4,407	\$224,739
2084	\$65,831	\$224,739	\$158,908	\$3,178	\$162,086
2085	\$65,651	\$162,086	\$96,435	\$1,929	\$98,363
2086	\$28,749	\$98,363	\$69,614	\$1,392	\$71,006
2087	\$39	\$71,006	\$70,967	\$1,419	\$72,387
2088	\$39	\$72,387	\$72,347	\$1,447	\$73,794
2089	\$10	\$73,794	\$73,784	\$1,476	\$75,260

**Total           \$699,929**

\*Column may not add due to rounding

**ATTACHMENT 4**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**Byron Station, Unit 1**  
December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$521,198
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	\$628,047 (a)
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$285,574 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(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). The site-specific estimate has been previously provided in a letter from Patrick R. Simpson (EGC) to U.S.NRC, dated November 16, 2009 (TLG Report E16-1555-013, Revision 0, "Decommissioning Cost Analysis for the Byron Nuclear Power Station," September 2009). The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2012.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(d) For purposes of this report, permanent termination of operations (shutdown) is expected on October 31, 2024.

**ATTACHMENT 4**

**Annual Radiological Decommissioning Funding Assurance Report for  
Byron Station, Unit 1  
December 31, 2012  
(Thousands of Dollars)**

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2024	\$8,261	\$360,389	\$352,128	\$1,761	\$353,888
2025	\$54,528	\$353,888	\$299,360	\$5,987	\$305,347
2026	\$18,050	\$305,347	\$287,297	\$5,746	\$293,043
2027	\$2,899	\$293,043	\$290,143	\$5,803	\$295,946
2028	\$2,907	\$295,946	\$293,039	\$5,861	\$298,900
2029	\$2,899	\$298,900	\$296,000	\$5,920	\$301,920
2030	\$3,547	\$301,920	\$298,374	\$5,967	\$304,341
2031	\$3,864	\$304,341	\$300,477	\$6,010	\$306,487
2032	\$3,874	\$306,487	\$302,613	\$6,052	\$308,665
2033	\$3,864	\$308,665	\$304,801	\$6,096	\$310,897
2034	\$3,864	\$310,897	\$307,034	\$6,141	\$313,174
2035	\$3,864	\$313,174	\$309,311	\$6,186	\$315,497
2036	\$3,874	\$315,497	\$311,623	\$6,232	\$317,855
2037	\$3,864	\$317,855	\$313,992	\$6,280	\$320,271
2038	\$3,864	\$320,271	\$316,408	\$6,328	\$322,736
2039	\$3,864	\$322,736	\$318,872	\$6,377	\$325,250
2040	\$3,874	\$325,250	\$321,375	\$6,428	\$327,803
2041	\$3,864	\$327,803	\$323,939	\$6,479	\$330,418
2042	\$3,864	\$330,418	\$326,555	\$6,531	\$333,086
2043	\$3,839	\$333,086	\$329,247	\$6,585	\$335,832
2044	\$3,849	\$335,832	\$331,983	\$6,640	\$338,622
2045	\$3,839	\$338,622	\$334,784	\$6,696	\$341,479
2046	\$3,839	\$341,479	\$337,641	\$6,753	\$344,393
2047	\$3,839	\$344,393	\$340,555	\$6,811	\$347,366
2048	\$3,849	\$347,366	\$343,517	\$6,870	\$350,387
2049	\$3,839	\$350,387	\$346,548	\$6,931	\$353,479
2050	\$3,839	\$353,479	\$349,641	\$6,993	\$356,633
2051	\$3,839	\$356,633	\$352,795	\$7,056	\$359,851
2052	\$3,849	\$359,851	\$356,001	\$7,120	\$363,121
2053	\$3,839	\$363,121	\$359,283	\$7,186	\$366,468
2054	\$3,839	\$366,468	\$362,630	\$7,253	\$369,882
2055	\$3,839	\$369,882	\$366,044	\$7,321	\$373,365
2056	\$3,849	\$373,365	\$369,515	\$7,390	\$376,906
2057	\$3,839	\$376,906	\$373,067	\$7,461	\$380,528
2058	\$3,839	\$380,528	\$376,690	\$7,534	\$384,223
2059	\$3,839	\$384,223	\$380,385	\$7,608	\$387,992
2060	\$3,849	\$387,992	\$384,143	\$7,683	\$391,826
2061	\$3,839	\$391,826	\$387,987	\$7,760	\$395,747
2062	\$3,839	\$395,747	\$391,908	\$7,838	\$399,747
2063	\$3,839	\$399,747	\$395,908	\$7,918	\$403,826

**ATTACHMENT 4**

**Annual Radiological Decommissioning Funding Assurance Report for  
Byron Station, Unit 1  
December 31, 2012  
(Thousands of Dollars)**

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2064	\$3,849	\$403,826	\$399,977	\$8,000	\$407,976
2065	\$3,839	\$407,976	\$404,138	\$8,083	\$412,221
2066	\$3,839	\$412,221	\$408,382	\$8,168	\$416,550
2067	\$3,839	\$416,550	\$412,711	\$8,254	\$420,965
2068	\$3,849	\$420,965	\$417,116	\$8,342	\$425,458
2069	\$3,839	\$425,458	\$421,619	\$8,432	\$430,052
2070	\$3,839	\$430,052	\$426,213	\$8,524	\$434,737
2071	\$3,839	\$434,737	\$430,899	\$8,618	\$439,517
2072	\$3,849	\$439,517	\$435,668	\$8,713	\$444,381
2073	\$3,839	\$444,381	\$440,542	\$8,811	\$449,353
2074	\$3,839	\$449,353	\$445,514	\$8,910	\$454,425
2075	\$3,839	\$454,425	\$450,586	\$9,012	\$459,598
2076	\$3,849	\$459,598	\$455,749	\$9,115	\$464,863
2077	\$11,483	\$464,863	\$453,380	\$9,068	\$462,448
2078	\$51,820	\$462,448	\$410,628	\$8,213	\$418,840
2079	\$100,549	\$418,840	\$318,291	\$6,366	\$324,657
2080	\$87,150	\$324,657	\$237,507	\$4,750	\$242,257
2081	\$44,157	\$242,257	\$198,100	\$3,962	\$202,062
2082	\$37,739	\$202,062	\$164,323	\$3,286	\$167,610
2083	\$2,324	\$167,610	\$165,285	\$3,306	\$168,591
2084	\$22,516	\$168,591	\$146,075	\$2,922	\$148,997
2085	\$91	\$148,997	\$148,906	\$2,978	\$151,884
2086	\$91	\$151,884	\$151,793	\$3,036	\$154,828
2087	\$28	\$154,828	\$154,800	\$3,096	\$157,896
<b>Total</b>	<b>\$628,047</b>				

\*Column may not add due to rounding



**ATTACHMENT 5**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**Byron Station, Unit 2**  
December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$521,198
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	\$682,306 (a)
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$276,358 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(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). The site-specific estimate has been previously provided in a letter from Patrick R. Simpson (EGC) to U.S.NRC, dated November 16, 2009 (TLG Report E16-1555-013, Revision 0, "Decommissioning Cost Analysis for the Byron Nuclear Power Station," September 2009). The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2012.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(d) For purposes of this report, permanent termination of operations (shutdown) is expected on November 6, 2026.

**ATTACHMENT 5**

**Annual Radiological Decommissioning Funding Assurance Report for  
Byron Station, Unit 2  
December 31, 2012  
(Thousands of Dollars)**

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2026	\$ 8,083	\$363,447	\$355,364	\$1,185	\$356,549
2027	\$ 59,827	\$356,549	\$296,722	\$5,934	\$302,656
2028	\$ 35,824	\$302,656	\$266,832	\$5,337	\$272,168
2029	\$ 3,827	\$272,168	\$268,342	\$5,367	\$273,709
2030	\$ 3,827	\$273,709	\$269,882	\$5,398	\$275,280
2031	\$ 3,827	\$275,280	\$271,453	\$5,429	\$276,882
2032	\$ 3,831	\$276,882	\$273,052	\$5,461	\$278,513
2033	\$ 3,817	\$278,513	\$274,696	\$5,494	\$280,190
2034	\$ 3,817	\$280,190	\$276,373	\$5,527	\$281,900
2035	\$ 3,817	\$281,900	\$278,083	\$5,562	\$283,645
2036	\$ 3,827	\$283,645	\$279,817	\$5,596	\$285,414
2037	\$ 3,817	\$285,414	\$281,597	\$5,632	\$287,229
2038	\$ 3,817	\$287,229	\$283,412	\$5,668	\$289,080
2039	\$ 3,817	\$289,080	\$285,263	\$5,705	\$290,968
2040	\$ 3,827	\$290,968	\$287,141	\$5,743	\$292,884
2041	\$ 3,817	\$292,884	\$289,067	\$5,781	\$294,848
2042	\$ 3,817	\$294,848	\$291,031	\$5,821	\$296,852
2043	\$ 3,804	\$296,852	\$293,048	\$5,861	\$298,909
2044	\$ 3,814	\$298,909	\$295,095	\$5,902	\$300,996
2045	\$ 3,804	\$300,996	\$297,193	\$5,944	\$303,136
2046	\$ 3,804	\$303,136	\$299,333	\$5,987	\$305,319
2047	\$ 3,804	\$305,319	\$301,516	\$6,030	\$307,546
2048	\$ 3,814	\$307,546	\$303,732	\$6,075	\$309,806
2049	\$ 3,804	\$309,806	\$306,002	\$6,120	\$312,122
2050	\$ 3,804	\$312,122	\$308,319	\$6,166	\$314,485
2051	\$ 3,804	\$314,485	\$310,681	\$6,214	\$316,895
2052	\$ 3,814	\$316,895	\$313,081	\$6,262	\$319,342
2053	\$ 3,804	\$319,342	\$315,538	\$6,311	\$321,849
2054	\$ 3,804	\$321,849	\$318,045	\$6,361	\$324,406
2055	\$ 3,804	\$324,406	\$320,602	\$6,412	\$327,015
2056	\$ 3,814	\$327,015	\$323,200	\$6,464	\$329,664
2057	\$ 3,804	\$329,664	\$325,860	\$6,517	\$332,378
2058	\$ 3,804	\$332,378	\$328,574	\$6,571	\$335,145
2059	\$ 3,804	\$335,145	\$331,342	\$6,627	\$337,968
2060	\$ 3,814	\$337,968	\$334,154	\$6,683	\$340,837
2061	\$ 3,804	\$340,837	\$337,033	\$6,741	\$343,774
2062	\$ 3,804	\$343,774	\$339,970	\$6,799	\$346,770
2063	\$ 3,804	\$346,770	\$342,966	\$6,859	\$349,825
2064	\$ 3,814	\$349,825	\$346,011	\$6,920	\$352,931
2065	\$ 3,804	\$352,931	\$349,127	\$6,983	\$356,110

# ATTACHMENT 5

## Annual Radiological Decommissioning Funding Assurance Report for Byron Station, Unit 2 December 31, 2012 (Thousands of Dollars)

Year	Radiological Decommissioning Cost*	BOY Trust Fund Value	BOY Trust Fund Value Less Cost	Trust Fund Earnings	EOY Trust Fund Value
2066	\$ 3,804	\$356,110	\$352,306	\$7,046	\$359,352
2067	\$ 3,804	\$359,352	\$355,548	\$7,111	\$362,659
2068	\$ 3,814	\$362,659	\$358,845	\$7,177	\$366,022
2069	\$ 3,804	\$366,022	\$362,218	\$7,244	\$369,463
2070	\$ 3,804	\$369,463	\$365,659	\$7,313	\$372,972
2071	\$ 3,804	\$372,972	\$369,168	\$7,383	\$376,551
2072	\$ 3,814	\$376,551	\$372,737	\$7,455	\$380,192
2073	\$ 3,804	\$380,192	\$376,388	\$7,528	\$383,916
2074	\$ 3,804	\$383,916	\$380,112	\$7,602	\$387,714
2075	\$ 3,804	\$387,714	\$383,911	\$7,678	\$391,589
2076	\$ 3,814	\$391,589	\$387,775	\$7,755	\$395,530
2077	\$ 3,804	\$395,530	\$391,726	\$7,835	\$399,561
2078	\$ 14,477	\$399,561	\$385,084	\$7,702	\$392,786
2079	\$ 37,732	\$392,786	\$355,053	\$7,101	\$362,154
2080	\$ 98,990	\$362,154	\$263,165	\$5,263	\$268,428
2081	\$ 82,298	\$268,428	\$186,130	\$3,723	\$189,853
2082	\$ 63,970	\$189,853	\$125,882	\$2,518	\$128,400
2083	\$ 63,970	\$128,400	\$64,430	\$1,289	\$65,718
2084	\$ 30,316	\$65,718	\$35,403	\$708	\$36,111
2085	\$ 39	\$36,111	\$36,072	\$721	\$36,793
2086	\$ 39	\$36,793	\$36,754	\$735	\$37,489
2087	\$ 12	\$37,489	\$37,477	\$750	\$38,227
<b>Total</b>	<b>\$682,306</b>				

\*Column may not add due to rounding

## ATTACHMENT 6

### Annual Radiological Decommissioning Funding Assurance Report for Clinton Power Station, Unit 1

December 31, 2012  
(Thousands of Dollars)

- |   |  |               |
|---|--|---------------|
| 1 | Formula cost amount per 10 CFR 50.75(c)  | \$679,560     |
| 2 | Site-specific cost amount per 10 CFR 50.75(b)(4)   | \$960,325 (a) |
| 3 | The amount of decommissioning trust funds accumulated as of December 31, 2012  | \$435,766 (b) |
| 4 | Schedule of the annual amounts remaining to be collected.  | \$0           |
| 5 | Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections  | 2% (c)        |
| 6 | There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).  |               |
| 7 | Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).   |               |
| 8 | Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Clinton Power Station Unit 1 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter. |               |
- (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). The site-specific estimate has been previously provided in a letter from Patrick R. Simpson (EGC) to U.S.NRC, dated March 1, 2013 (TLG Report E16-1640-006, Revision 0, "Decommissioning Cost Analysis for the Clinton Power Station," December 2012). The costs have been escalated from 2012 (mid-year) dollars in the decommissioning cost estimate to December 31, 2012.
- (b) The trust fund amount is the amount allocated for radiological decommissioning only.
- (c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).
- (d) For purposes of this report, permanent termination of operations (shutdown) is expected on September 29, 2026.

**ATTACHMENT 6****Annual Radiological Decommissioning Funding Assurance Report for  
Clinton Power Station, Unit 1**

December 31, 2012  
(Thousands of Dollars)

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2026	\$15,998	\$571,201	\$555,203	\$3,701	\$558,904
2027	\$94,503	\$558,904	\$464,401	\$9,288	\$473,689
2028	\$24,625	\$473,689	\$449,064	\$8,981	\$458,045
2029	\$6,925	\$458,045	\$451,120	\$9,022	\$460,142
2030	\$6,925	\$460,142	\$453,217	\$9,064	\$462,281
2031	\$6,925	\$462,281	\$455,356	\$9,107	\$464,463
2032	\$4,699	\$464,463	\$459,764	\$9,195	\$468,959
2033	\$3,977	\$468,959	\$464,982	\$9,300	\$474,282
2034	\$3,977	\$474,282	\$470,305	\$9,406	\$479,711
2035	\$3,977	\$479,711	\$475,734	\$9,515	\$485,249
2036	\$3,988	\$485,249	\$481,261	\$9,625	\$490,886
2037	\$3,977	\$490,886	\$486,909	\$9,738	\$496,647
2038	\$3,977	\$496,647	\$492,670	\$9,853	\$502,524
2039	\$3,977	\$502,524	\$498,547	\$9,971	\$508,518
2040	\$3,988	\$508,518	\$504,530	\$10,091	\$514,621
2041	\$3,977	\$514,621	\$510,644	\$10,213	\$520,857
2042	\$3,977	\$520,857	\$516,880	\$10,338	\$527,217
2043	\$3,977	\$527,217	\$523,240	\$10,465	\$533,705
2044	\$3,995	\$533,705	\$529,710	\$10,594	\$540,304
2045	\$6,753	\$540,304	\$533,551	\$10,671	\$544,222
2046	\$6,753	\$544,222	\$537,469	\$10,749	\$548,218
2047	\$6,753	\$548,218	\$541,465	\$10,829	\$552,295
2048	\$6,771	\$552,295	\$545,523	\$10,910	\$556,434
2049	\$6,753	\$556,434	\$549,681	\$10,994	\$560,675
2050	\$6,753	\$560,675	\$553,922	\$11,078	\$565,000
2051	\$6,753	\$565,000	\$558,247	\$11,165	\$569,412
2052	\$6,771	\$569,412	\$562,641	\$11,253	\$573,893
2053	\$6,753	\$573,893	\$567,141	\$11,343	\$578,483
2054	\$6,753	\$578,483	\$571,730	\$11,435	\$583,165
2055	\$6,753	\$583,165	\$576,412	\$11,528	\$587,940
2056	\$6,771	\$587,940	\$581,169	\$11,623	\$592,792
2057	\$6,753	\$592,792	\$586,039	\$11,721	\$597,760
2058	\$6,753	\$597,760	\$591,007	\$11,820	\$602,828
2059	\$6,753	\$602,828	\$596,075	\$11,921	\$607,996
2060	\$6,771	\$607,996	\$601,225	\$12,024	\$613,249
2061	\$6,753	\$613,249	\$606,496	\$12,130	\$618,626
2062	\$6,753	\$618,626	\$611,873	\$12,237	\$624,111
2063	\$6,753	\$624,111	\$617,358	\$12,347	\$629,705
2064	\$6,771	\$629,705	\$622,934	\$12,459	\$635,392
2065	\$6,753	\$635,392	\$628,639	\$12,573	\$641,212

# ATTACHMENT 6

## Annual Radiological Decommissioning Funding Assurance Report for Clinton Power Station, Unit 1

December 31, 2012  
(Thousands of Dollars)

Year	Radiological Decommissioning Cost*	BOY Trust Fund Value	BOY Trust Fund Value Less Cost	Trust Fund Earnings	EOY Trust Fund Value
2066	\$6,753	\$641,212	\$634,459	\$12,689	\$647,148
2067	\$6,753	\$647,148	\$640,396	\$12,808	\$653,203
2068	\$6,771	\$653,203	\$646,432	\$12,929	\$659,361
2069	\$6,753	\$659,361	\$652,608	\$13,052	\$665,660
2070	\$6,753	\$665,660	\$658,907	\$13,178	\$672,085
2071	\$6,753	\$672,085	\$665,332	\$13,307	\$678,639
2072	\$6,771	\$678,639	\$671,868	\$13,437	\$685,305
2073	\$6,753	\$685,305	\$678,552	\$13,571	\$692,123
2074	\$6,753	\$692,123	\$685,370	\$13,707	\$699,078
2075	\$6,753	\$699,078	\$692,325	\$13,846	\$706,171
2076	\$6,771	\$706,171	\$699,400	\$13,988	\$713,388
2077	\$6,753	\$713,388	\$706,635	\$14,133	\$720,767
2078	\$6,753	\$720,767	\$714,015	\$14,280	\$728,295
2079	\$6,753	\$728,295	\$721,542	\$14,431	\$735,973
2080	\$20,893	\$735,973	\$715,079	\$14,302	\$729,381
2081	\$60,253	\$729,381	\$669,128	\$13,383	\$682,511
2082	\$118,601	\$682,511	\$563,909	\$11,278	\$575,188
2083	\$110,635	\$575,188	\$464,553	\$9,291	\$473,844
2084	\$83,649	\$473,844	\$390,195	\$7,804	\$397,999
2085	\$83,331	\$397,999	\$314,668	\$6,293	\$320,961
2086	\$37,897	\$320,961	\$283,064	\$5,661	\$288,726
2087	\$100	\$288,726	\$288,626	\$5,773	\$294,398
2088	\$100	\$294,398	\$294,298	\$5,886	\$300,184
2089	\$1	\$300,184	\$300,183	\$6,004	\$306,187
<b>Total</b>	<b>\$960,325</b>				

\*Column may not add due to rounding

## **ATTACHMENT 7**

### **Annual Radiological Decommissioning Funding Assurance and Spent Fuel Management Report for**

#### **Dresden Nuclear Power Station, Unit 1**

December 31, 2012

(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	N/A
2	Site-specific cost amount per 10 CFR 50.75(b)(4) and 50.75(f)(2)	\$389,840 (a)
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$305,188 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation for decommissioning costs, earnings on funds, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	
9	2012 annual amount spent on decommissioning in accordance with 10 CFR 50.82(a)(8)(v)(A)	\$2,840 (d)
10	Cumulative amount spent on decommissioning in accordance with 10 CFR 50.82(a)(8)(v)(A)	\$104,680 (e)
	Reimbursed from the decommissioning trust fund	\$86,848 (e)
	Not yet reimbursed from the decommissioning trust fund	\$17,832
11	Amount of funds accumulated to cover the cost of managing irradiated fuel pursuant to 10 CFR 50.82(a)(8)(vii)(A) as of December 31, 2012	\$10,986
12	Projected cost of managing irradiated fuel based on site-specific estimate per 10 CFR 50.82(a)(8)(vii)(B)	\$14,033 (a)

**ATTACHMENT 7**  
**Annual Radiological Decommissioning Funding Assurance and Spent Fuel**  
**Management Report for**  
**Dresden Nuclear Power Station, Unit 1**  
December 31, 2012  
(Thousands of Dollars)

- (a) The site-specific amount per 10 CFR 50.75(b)(4) and 50.75(f)(2) assumes a DECON scenario as described in the site-specific cost estimate (TLG Report E16-1640-004, Revision 0, "Decommissioning Cost Analysis for the Dresden Nuclear Power Station Unit 1," August 2012). The decommissioning cost estimate has been adjusted consistent with the description of planned decommissioning activities in the Dresden Nuclear Power Station, Unit 1, PSDAR, as most recently updated in a letter from K.R. Jury (EGC) to U.S. NRC on January 5, 2007. The costs have been escalated from the 2012 (mid-year) dollars reflected in the 2012 decommissioning cost estimate to estimated costs as of December 31, 2012.

Decontamination and dismantlement of Dresden Nuclear Power Station, Unit 1, will take place beginning in 2029, coinciding with the decommissioning of Dresden Nuclear Power Station, Unit 2.

- (b) The trust fund amount is the amount allocated for radiological decommissioning only.
- (c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).
- (d) This amount is consistent with the projected 2012 expense total from the site-specific cost estimate.
- (e) Not all historical data was available, and therefore, the cumulative amounts spent on decommissioning are estimates based on the best information obtainable at this time.



## ATTACHMENT 7

### Annual Radiological Decommissioning Funding Assurance and Spent Fuel Management Report for Dresden Nuclear Power Station, Unit 1 December 31, 2012 (Thousands of Dollars)

Year	Radiological Decommissioning Cost*	BOY Trust Fund Value	BOY Trust Fund Value Less Cost	Trust Fund Earnings	EOY Trust Fund Value
2013	\$2,919	\$305,188	\$302,269	\$6,045	\$308,314
2014	\$2,919	\$308,314	\$305,395	\$6,108	\$311,503
2015	\$2,919	\$311,503	\$308,583	\$6,172	\$314,755
2016	\$2,927	\$314,755	\$311,828	\$6,237	\$318,064
2017	\$2,919	\$318,064	\$315,145	\$6,303	\$321,448
2018	\$2,919	\$321,448	\$318,528	\$6,371	\$324,899
2019	\$2,919	\$324,899	\$321,980	\$6,440	\$328,419
2020	\$2,927	\$328,419	\$325,492	\$6,510	\$332,002
2021	\$2,919	\$332,002	\$329,082	\$6,582	\$335,664
2022	\$2,919	\$335,664	\$332,745	\$6,655	\$339,400
2023	\$2,919	\$339,400	\$336,480	\$6,730	\$343,210
2024	\$2,927	\$343,210	\$340,283	\$6,806	\$347,088
2025	\$2,919	\$347,088	\$344,169	\$6,883	\$351,052
2026	\$2,919	\$351,052	\$348,133	\$6,963	\$355,096
2027	\$2,919	\$355,096	\$352,176	\$7,044	\$359,220
2028	\$2,927	\$359,220	\$356,292	\$7,126	\$363,418
2029	\$36,701	\$363,418	\$326,717	\$6,534	\$333,251
2030	\$78,054	\$333,251	\$255,198	\$5,104	\$260,301
2031	\$84,841	\$260,301	\$175,460	\$3,509	\$178,969
2032	\$61,757	\$178,969	\$117,212	\$2,344	\$119,557
2033	\$46,446	\$119,557	\$73,111	\$1,462	\$74,573
2034	\$2,158	\$74,573	\$72,415	\$1,448	\$73,863
2035	\$2,158	\$73,863	\$71,706	\$1,434	\$73,140
2036	\$2,164	\$73,140	\$70,976	\$1,420	\$72,396
2037	\$17,557	\$72,396	\$54,838	\$1,097	\$55,935
2038	\$6,401	\$55,935	\$49,534	\$991	\$50,525
2039	\$89	\$50,525	\$50,436	\$1,009	\$51,445
2040	\$50	\$51,445	\$51,394	\$1,028	\$52,422
2041	\$-	\$52,422	\$52,422	\$1,048	\$53,471
2042	\$4,722	\$53,471	\$48,749	\$975	\$49,724

**Total           \$389,840**

\*Column may not add due to rounding

# ATTACHMENT 7

## Annual Radiological Decommissioning Funding Assurance and Spent Fuel Management Report for Dresden Nuclear Power Station, Unit 1 December 31, 2012 (Thousands of Dollars)

Year	Irradiated Fuel Cost*	BOY Irradiated Fuel Trust Fund Value	BOY Irradiated Fuel Trust Fund Less Cost	Irradiated Fuel Trust Fund Earnings	EOY Irradiated Fuel Trust Fund Value
2013	\$-	\$10,986	\$10,986	\$220	\$11,206
2014	\$-	\$11,206	\$11,206	\$224	\$11,430
2015	\$-	\$11,430	\$11,430	\$229	\$11,659
2016	\$-	\$11,659	\$11,659	\$233	\$11,892
2017	\$-	\$11,892	\$11,892	\$238	\$12,130
2018	\$-	\$12,130	\$12,130	\$243	\$12,372
2019	\$-	\$12,372	\$12,372	\$247	\$12,620
2020	\$-	\$12,620	\$12,620	\$252	\$12,872
2021	\$-	\$12,872	\$12,872	\$257	\$13,129
2022	\$-	\$13,129	\$13,129	\$263	\$13,392
2023	\$-	\$13,392	\$13,392	\$268	\$13,660
2024	\$-	\$13,660	\$13,660	\$273	\$13,933
2025	\$-	\$13,933	\$13,933	\$279	\$14,212
2026	\$-	\$14,212	\$14,212	\$284	\$14,496
2027	\$-	\$14,496	\$14,496	\$290	\$14,786
2028	\$-	\$14,786	\$14,786	\$296	\$15,082
2029	\$785	\$15,082	\$14,296	\$286	\$14,582
2030	\$560	\$14,582	\$14,022	\$280	\$14,303
2031	\$481	\$14,303	\$13,822	\$276	\$14,098
2032	\$482	\$14,098	\$13,616	\$272	\$13,889
2033	\$481	\$13,889	\$13,408	\$268	\$13,676
2034	\$481	\$13,676	\$13,195	\$264	\$13,459
2035	\$481	\$13,459	\$12,978	\$260	\$13,238
2036	\$482	\$13,238	\$12,756	\$255	\$13,011
2037	\$1,935	\$13,011	\$11,076	\$222	\$11,298
2038	\$658	\$11,298	\$10,640	\$213	\$10,853
2039	\$704	\$10,853	\$10,149	\$203	\$10,352
2040	\$1,399	\$10,352	\$8,953	\$179	\$9,132
2041	\$2,286	\$9,132	\$6,846	\$137	\$6,983
2042	\$2,282	\$6,983	\$4,700	\$94	\$4,794
2043	\$537	\$4,794	\$4,257	\$85	\$4,343

**Total           \$14,033**

\*Column may not add due to rounding

## **ATTACHMENT 8**

### **Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 2**

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$657,477
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$532,132 (a)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (b)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(a) The trust fund amount is the amount allocated for radiological decommissioning only.

(b) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(c) For purposes of this report, permanent termination of operations (shutdown) is expected on December 22, 2029.

## **ATTACHMENT 9**

### **Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 3**

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$657,477
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$543,988 (a)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (b)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(a) The trust fund amount is the amount allocated for radiological decommissioning only.

(b) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(c) For purposes of this report, permanent termination of operations (shutdown) is expected on January 12, 2031.

**ATTACHMENT 10**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**LaSalle County Station, Unit 1**  
December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$679,560
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	\$711,587 (a)
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$391,301 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(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). The site-specific estimate has been previously provided in a letter from Patrick R. Simpson (EGC) to U.S.NRC, dated August 27, 2009 (TLG Report E16-1555-012, Revision 0, "Decommissioning Cost Analysis for the LaSalle County Station Units 1 and 2," June 2009). The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2012.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(d) For purposes of this report, permanent termination of operations (shutdown) is expected on April 17, 2022.

**ATTACHMENT 10****Annual Radiological Decommissioning Funding Assurance Report for  
LaSalle County Station, Unit 1**

December 31, 2012  
(Thousands of Dollars)

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2022	\$34,999	\$469,962	\$434,963	\$6,524	\$441,488
2023	\$59,351	\$441,488	\$382,137	\$7,643	\$389,779
2024	\$3,588	\$389,779	\$386,191	\$7,724	\$393,915
2025	\$3,578	\$393,915	\$390,337	\$7,807	\$398,144
2026	\$3,578	\$398,144	\$394,566	\$7,891	\$402,457
2027	\$3,433	\$402,457	\$399,025	\$7,980	\$407,005
2028	\$2,887	\$407,005	\$404,118	\$8,082	\$412,200
2029	\$2,880	\$412,200	\$409,321	\$8,186	\$417,507
2030	\$2,880	\$417,507	\$414,628	\$8,293	\$422,920
2031	\$2,880	\$422,920	\$420,041	\$8,401	\$428,441
2032	\$2,887	\$428,441	\$425,554	\$8,511	\$434,065
2033	\$2,880	\$434,065	\$431,186	\$8,624	\$439,809
2034	\$2,880	\$439,809	\$436,930	\$8,739	\$445,668
2035	\$2,884	\$445,668	\$442,784	\$8,856	\$451,640
2036	\$4,508	\$451,640	\$447,132	\$8,943	\$456,074
2037	\$4,496	\$456,074	\$451,578	\$9,032	\$460,610
2038	\$4,496	\$460,610	\$456,114	\$9,122	\$465,236
2039	\$4,496	\$465,236	\$460,740	\$9,215	\$469,955
2040	\$4,508	\$469,955	\$465,446	\$9,309	\$474,755
2041	\$4,496	\$474,755	\$470,259	\$9,405	\$479,664
2042	\$4,496	\$479,664	\$475,168	\$9,503	\$484,671
2043	\$4,496	\$484,671	\$480,175	\$9,604	\$489,779
2044	\$4,508	\$489,779	\$485,270	\$9,705	\$494,976
2045	\$4,496	\$494,976	\$490,480	\$9,810	\$500,289
2046	\$4,496	\$500,289	\$495,793	\$9,916	\$505,709
2047	\$4,496	\$505,709	\$501,213	\$10,024	\$511,237
2048	\$4,508	\$511,237	\$506,729	\$10,135	\$516,863
2049	\$4,496	\$516,863	\$512,367	\$10,247	\$522,615
2050	\$4,496	\$522,615	\$518,118	\$10,362	\$528,481
2051	\$4,496	\$528,481	\$523,985	\$10,480	\$534,464
2052	\$4,508	\$534,464	\$529,956	\$10,599	\$540,555
2053	\$4,496	\$540,555	\$536,059	\$10,721	\$546,780
2054	\$4,496	\$546,780	\$542,284	\$10,846	\$553,130
2055	\$4,496	\$553,130	\$548,634	\$10,973	\$559,606
2056	\$4,508	\$559,606	\$555,098	\$11,102	\$566,200
2057	\$4,496	\$566,200	\$561,704	\$11,234	\$572,938
2058	\$4,496	\$572,938	\$568,442	\$11,369	\$579,810
2059	\$4,496	\$579,810	\$575,314	\$11,506	\$586,821
2060	\$4,508	\$586,821	\$582,312	\$11,646	\$593,958
2061	\$4,496	\$593,958	\$589,462	\$11,789	\$601,252

**ATTACHMENT 10****Annual Radiological Decommissioning Funding Assurance Report for  
LaSalle County Station, Unit 1**December 31, 2012  
(Thousands of Dollars)

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2062	\$4,496	\$601,252	\$596,755	\$11,935	\$608,691
2063	\$4,496	\$608,691	\$604,194	\$12,084	\$616,278
2064	\$4,508	\$616,278	\$611,770	\$12,235	\$624,005
2065	\$4,496	\$624,005	\$619,509	\$12,390	\$631,899
2066	\$4,496	\$631,899	\$627,403	\$12,548	\$639,951
2067	\$4,496	\$639,951	\$635,455	\$12,709	\$648,164
2068	\$4,508	\$648,164	\$643,656	\$12,873	\$656,529
2069	\$4,496	\$656,529	\$652,033	\$13,041	\$665,074
2070	\$4,496	\$665,074	\$660,578	\$13,212	\$673,789
2071	\$4,496	\$673,789	\$669,293	\$13,386	\$682,679
2072	\$4,508	\$682,679	\$678,170	\$13,563	\$691,734
2073	\$4,496	\$691,734	\$687,238	\$13,745	\$700,982
2074	\$4,496	\$700,982	\$696,486	\$13,930	\$710,416
2075	\$22,325	\$710,416	\$688,091	\$13,762	\$701,853
2076	\$59,748	\$701,853	\$642,105	\$12,842	\$654,947
2077	\$116,349	\$654,947	\$538,597	\$10,772	\$549,369
2078	\$80,484	\$549,369	\$468,886	\$9,378	\$478,264
2079	\$59,716	\$478,264	\$418,548	\$8,371	\$426,919
2080	\$34,557	\$426,919	\$392,362	\$7,847	\$400,209
2081	\$19,766	\$400,209	\$380,443	\$7,609	\$388,052
2082	\$11,442	\$388,052	\$376,609	\$7,532	\$384,142
2083	\$113	\$384,142	\$384,028	\$7,681	\$391,709
2084	\$33	\$391,709	\$391,676	\$7,834	\$399,510

**Total           \$711,587**

\*Column may not add due to rounding

## ATTACHMENT 11

### Annual Radiological Decommissioning Funding Assurance Report for LaSalle County Station, Unit 2

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$679,560
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	\$697,445 (a)
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$384,788 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(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). The site-specific estimate has been previously provided in a letter from Patrick R. Simpson (EGC) to U.S.NRC, dated August 27, 2009 (TLG Report E16-1555-012, Revision 0, "Decommissioning Cost Analysis for the LaSalle County Station Units 1 and 2," June 2009). The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2012.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(d) For purposes of this report, permanent termination of operations (shutdown) is expected on December 16, 2023.



**ATTACHMENT 11****Annual Radiological Decommissioning Funding Assurance Report for  
LaSalle County Station, Unit 2**

December 31, 2012  
(Thousands of Dollars)

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2023	\$2,329	\$477,646	\$475,317	\$792	\$476,110
2024	\$56,150	\$476,110	\$419,960	\$8,399	\$428,359
2025	\$42,926	\$428,359	\$385,433	\$7,709	\$393,142
2026	\$3,671	\$393,142	\$389,470	\$7,789	\$397,260
2027	\$3,671	\$397,260	\$393,588	\$7,872	\$401,460
2028	\$3,681	\$401,460	\$397,779	\$7,956	\$405,734
2029	\$3,153	\$405,734	\$402,581	\$8,052	\$410,633
2030	\$2,716	\$410,633	\$407,917	\$8,158	\$416,075
2031	\$2,716	\$416,075	\$413,360	\$8,267	\$421,627
2032	\$2,723	\$421,627	\$418,904	\$8,378	\$427,282
2033	\$2,716	\$427,282	\$424,566	\$8,491	\$433,057
2034	\$2,716	\$433,057	\$430,342	\$8,607	\$438,948
2035	\$2,718	\$438,948	\$436,230	\$8,725	\$444,955
2036	\$3,662	\$444,955	\$441,293	\$8,826	\$450,119
2037	\$3,652	\$450,119	\$446,467	\$8,929	\$455,396
2038	\$3,652	\$455,396	\$451,744	\$9,035	\$460,779
2039	\$3,652	\$460,779	\$457,127	\$9,143	\$466,269
2040	\$3,662	\$466,269	\$462,608	\$9,252	\$471,860
2041	\$3,652	\$471,860	\$468,208	\$9,364	\$477,572
2042	\$3,652	\$477,572	\$473,920	\$9,478	\$483,398
2043	\$3,652	\$483,398	\$479,746	\$9,595	\$489,341
2044	\$3,662	\$489,341	\$485,679	\$9,714	\$495,393
2045	\$3,652	\$495,393	\$491,741	\$9,835	\$501,576
2046	\$3,652	\$501,576	\$497,924	\$9,958	\$507,882
2047	\$3,652	\$507,882	\$504,230	\$10,085	\$514,315
2048	\$3,662	\$514,315	\$510,653	\$10,213	\$520,866
2049	\$3,652	\$520,866	\$517,214	\$10,344	\$527,558
2050	\$3,652	\$527,558	\$523,907	\$10,478	\$534,385
2051	\$3,652	\$534,385	\$530,733	\$10,615	\$541,347
2052	\$3,662	\$541,347	\$537,685	\$10,754	\$548,439
2053	\$3,652	\$548,439	\$544,787	\$10,896	\$555,683
2054	\$3,652	\$555,683	\$552,031	\$11,041	\$563,072
2055	\$3,652	\$563,072	\$559,420	\$11,188	\$570,608
2056	\$3,662	\$570,608	\$566,946	\$11,339	\$578,285
2057	\$3,652	\$578,285	\$574,633	\$11,493	\$586,126
2058	\$3,652	\$586,126	\$582,474	\$11,649	\$594,123
2059	\$3,652	\$594,123	\$590,471	\$11,809	\$602,281
2060	\$3,662	\$602,281	\$598,619	\$11,972	\$610,591
2061	\$3,652	\$610,591	\$606,939	\$12,139	\$619,078
2062	\$3,652	\$619,078	\$615,426	\$12,309	\$627,735

**ATTACHMENT 11****Annual Radiological Decommissioning Funding Assurance Report for  
LaSalle County Station, Unit 2**

December 31, 2012  
(Thousands of Dollars)

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost</b>	<b>Trust Fund Earnings</b>	<b>EOY Trust Fund Value</b>
2063	\$3,652	\$627,735	\$624,083	\$12,482	\$636,564
2064	\$3,662	\$636,564	\$632,902	\$12,658	\$645,560
2065	\$3,652	\$645,560	\$641,908	\$12,838	\$654,747
2066	\$3,652	\$654,747	\$651,095	\$13,022	\$664,116
2067	\$3,652	\$664,116	\$660,465	\$13,209	\$673,674
2068	\$3,662	\$673,674	\$670,012	\$13,400	\$683,412
2069	\$3,652	\$683,412	\$679,760	\$13,595	\$693,355
2070	\$3,652	\$693,355	\$689,703	\$13,794	\$703,497
2071	\$3,652	\$703,497	\$699,846	\$13,997	\$713,842
2072	\$3,662	\$713,842	\$710,180	\$14,204	\$724,384
2073	\$3,652	\$724,384	\$720,732	\$14,415	\$735,147
2074	\$3,652	\$735,147	\$731,495	\$14,630	\$746,125
2075	\$3,652	\$746,125	\$742,473	\$14,849	\$757,322
2076	\$16,801	\$757,322	\$740,521	\$14,810	\$755,332
2077	\$39,553	\$755,332	\$715,779	\$14,316	\$730,094
2078	\$119,109	\$730,094	\$610,985	\$12,220	\$623,205
2079	\$92,220	\$623,205	\$530,985	\$10,620	\$541,605
2080	\$78,586	\$541,605	\$463,019	\$9,260	\$472,279
2081	\$60,981	\$472,279	\$411,298	\$8,226	\$419,524
2082	\$12,069	\$419,524	\$407,455	\$8,149	\$415,604
2083	\$47	\$415,604	\$415,556	\$8,311	\$423,867
2084	\$14	\$423,867	\$423,854	\$8,477	\$432,331

**Total           \$697,445**

\*Column may not add due to rounding

## ATTACHMENT 12

### Annual Radiological Decommissioning Funding Assurance Report for Limerick Generating Station, Unit 1

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$691,487
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$293,437 (a)
4	Schedule of the annual amounts remaining to be collected.	\$8,232 (b)
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the external sinking fund method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(ii). A parent guarantee, as allowed by 10 CFR 50.75(e)(iii)(B), is also in place for Limerick Generating Station, Unit 1 in the amount of \$115 million. (e)	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Limerick Generating Station Unit 1 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter. The Reference 3 letter describes the parent company guarantee Standby Trust created for Limerick Generating Station Unit 1 with Northern, effective November 15, 2012.	

- (a) The trust fund amount is the amount allocated for radiological decommissioning only.
- (b) The funding mechanism being used as the source of revenues for the external sinking funds is a non-bypassable charge approved by the Pennsylvania Public Utilities Commission ("PaPUC") authorizing PECO Energy Company to continue to collect decommissioning funds for EGC. Any needed adjustments to the amount collected will be made in the next filing of the Nuclear Decommissioning Cost Adjustment ("NDCA") to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 4. The last adjustment was effective January 1, 2013 and allows for the collection of annual payments from ratepayers of \$8,232K through 2023.

## **ATTACHMENT 12**

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

- (c) 10 CFR 50.75(e)(1)(ii) allows licensees to use a rate of return higher than 2% if the applicable rate-setting authority has specifically authorized a higher rate. The PaPUC approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company (Letter from J. J. McNulty (PaPUC), "Approval of Restructuring Plan for PECO Energy Company under Section 2806 of the Public Utility Code; Docket No. R-00973953," to B. D. Crowe (PECO Energy Company) dated May 3, 2001). Accordingly, EGC uses a 3% real rate of return.
- (d) For purposes of this report, permanent termination of operations (shutdown) is expected on October 26, 2024.
- (e) The parent guarantee for Limerick Generating Station, Unit 1 was previously submitted in a letter from Patrick R. Simpson (EGC) to U.S. NRC, "Response to Additional Information Regarding Status of Decommissioning Funding Assurance," dated May 21, 2012. The updated financial tests and Independent Auditor's Report for the parent guarantee are contained in Attachments 23 and 24 respectively.

### ATTACHMENT 13

#### Annual Radiological Decommissioning Funding Assurance Report for Limerick Generating Station, Unit 2

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$691,487
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$304,237 (a)
4	Schedule of the annual amounts remaining to be collected.	\$13,105 (b)
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the external sinking fund method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(ii).	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Limerick Generating Station Unit 2 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter.	

- (a) The trust fund amount is the amount allocated for radiological decommissioning only.
- (b) The funding mechanism being used as the source of revenues for the external sinking funds is a non-bypassable charge approved by the Pennsylvania Public Utilities Commission ("PaPUC") authorizing PECO Energy Company to continue to collect decommissioning funds for EGC. Any needed adjustments to the amount collected will be made in the next filing of the Nuclear Decommissioning Cost Adjustment ("NDCA") to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 4. The last adjustment was effective January 1, 2013, and allows for the collection of annual payments from ratepayers of \$13,105K through 2028.
- (c) 10 CFR 50.75(e)(1)(ii) allows licensees to use a rate of return higher than 2% if the applicable rate-setting authority has specifically authorized a higher rate. The PaPUC approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company (Letter from J. J. McNulty (PaPUC), "Approval of Restructuring Plan for PECO Energy Company under Section 2806 of the Public Utility Code; Docket No. R-00973953," to B. D. Crowe (PECO Energy Company) dated May 3, 2001). Accordingly, EGC uses a 3% real rate of return.

**ATTACHMENT 13**

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

December 31, 2012  
(Thousands of Dollars)

- (d) For purposes of this report, permanent termination of operations (shutdown) is expected on June 22, 2029.

## **ATTACHMENT 14**

### **Annual Radiological Decommissioning Funding Assurance Report for Oyster Creek Nuclear Generating Station**

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$621,672
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$814,066 (a)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (b)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Oyster Creek Nuclear Generating Station changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter.	

(a) The trust fund amount is the amount allocated for radiological decommissioning only.

(b) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(c) For purposes of this report, permanent termination of operations (shutdown) is expected on December 31, 2019. This date is based on the State of New Jersey Administrative Consent Order, dated December 9, 2010.

## ATTACHMENT 15

### Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 1

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	N/A
2	Site-specific cost amount per 10 CFR 50.75(b)(4) and 50.75(f)(2)	\$200,545 (a)
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$73,592 (b)
4	Schedule of the annual amounts remaining to be collected.	\$2,118 (c)
5	Assumptions used regarding rates of escalation for decommissioning costs, earnings on funds, and other factors used in funding projections	3% (d)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the external sinking fund method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(ii).	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Peach Bottom Atomic Power Station Unit 1 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter.	
9	2012 annual amount spent on decommissioning in accordance with 10 CFR 50.82(a)(8)(v)(A).	\$276
10	Cumulative amount spent on decommissioning in accordance with 10 CFR 50.82(a)(8)(v)(A).	\$1,328
	Reimbursed from the decommissioning trust fund	\$0
	Not yet reimbursed from the decommissioning trust fund	\$1,328

- (a) The site-specific amount per 10 CFR 50.75(b)(4) and 50.75(f)(2) assumes a DECON scenario as described in the site-specific cost estimate (TLG Report E16-1555-015, Revision 0, "Decommissioning Cost Analysis for the Peach Bottom Atomic Power Station Unit 1," June 2010). The decommissioning cost estimate has been adjusted consistent with the description of planned decommissioning activities in the Peach Bottom, Unit 1, Decommissioning Plan. The costs have been escalated from the 2010 dollars reflected in the 2010 decommissioning cost estimate to estimated costs as of December 31, 2012.

Decontamination and dismantlement of Peach Bottom Atomic Power Station, Unit 1, will take place beginning in 2033, coinciding with the decommissioning of Peach Bottom Atomic Power Station, Unit 2.



## **ATTACHMENT 15**

### **Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 1**

December 31, 2012  
(Thousands of Dollars)

- (b) The trust fund amount is the amount allocated for radiological decommissioning only.
- (c) The funding mechanism being used as the source of revenues for the external sinking funds is a non-bypassable charge approved by the Pennsylvania Public Utilities Commission (PaPUC) authorizing PECO Energy Company to continue to collect decommissioning funds for EGC. Any needed adjustments to the amount collected will be made in the next filing of the Nuclear Decommissioning Cost Adjustment (NDCA) to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 4. The last adjustment was effective January 1, 2013, and allows for the collection of annual payments from ratepayers of \$2,118K through 2032.
- (d) 10 CFR 50.75(e)(1)(ii) allows licensees to use a rate of return higher than 2% if the applicable rate-setting authority has specifically authorized a higher rate. The PaPUC approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company (Letter from J. J. McNulty (PaPUC), "Approval of Restructuring Plan for PECO Energy Company under Section 2806 of the Public Utility Code; Docket No. R-00973953," to B. D. Crowe (PECO Energy Company) dated May 3, 2001). Accordingly, EGC uses a 3% real rate of return.
- (e) Peach Bottom Atomic Power Station, Unit 1 was shut down in October of 1974, with defueling of the core completed by the following June. Starting in 1975, the spent fuel was shipped by truck to Idaho. The final of 44 shipments was completed in February of 1977. Consequently, no irradiated fuel remains on-site, and therefore 10 CFR 50.82(a)(8)(vii) does not apply.

**ATTACHMENT 15**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**Peach Bottom Atomic Power Station, Unit 1**  
December 31, 2012  
(Thousands of Dollars)

<b>Year</b>	<b>Radiological Decommissioning Cost*</b>	<b>BOY Trust Fund Value</b>	<b>BOY Trust Fund Value Less Cost**</b>	<b>First Half Contributions</b>	<b>Trust Fund Earnings</b>	<b>Second Half Contributions</b>	<b>EOY Trust Fund Value</b>
2013	\$-	\$73,592	\$73,592	\$1,059	\$2,240	\$1,059	\$77,950
2014	\$-	\$77,950	\$77,950	\$1,059	\$2,370	\$1,059	\$82,438
2015	\$-	\$82,438	\$82,438	\$1,059	\$2,505	\$1,059	\$87,060
2016	\$-	\$87,060	\$87,060	\$1,059	\$2,644	\$1,059	\$91,822
2017	\$-	\$91,822	\$91,822	\$1,059	\$2,786	\$1,059	\$96,726
2018	\$-	\$96,726	\$96,726	\$1,059	\$2,934	\$1,059	\$101,777
2019	\$-	\$101,777	\$101,777	\$1,059	\$3,085	\$1,059	\$106,980
2020	\$-	\$106,980	\$106,980	\$1,059	\$3,241	\$1,059	\$112,339
2021	\$-	\$112,339	\$112,339	\$1,059	\$3,402	\$1,059	\$117,859
2022	\$-	\$117,859	\$117,859	\$1,059	\$3,568	\$1,059	\$123,544
2023	\$-	\$123,544	\$123,544	\$1,059	\$3,738	\$1,059	\$129,400
2024	\$-	\$129,400	\$129,400	\$1,059	\$3,914	\$1,059	\$135,432
2025	\$-	\$135,432	\$135,432	\$1,059	\$4,095	\$1,059	\$141,644
2026	\$-	\$141,644	\$141,644	\$1,059	\$4,281	\$1,059	\$148,043
2027	\$-	\$148,043	\$148,043	\$1,059	\$4,473	\$1,059	\$154,634
2028	\$-	\$154,634	\$154,634	\$1,059	\$4,671	\$1,059	\$161,422
2029	\$-	\$161,422	\$161,422	\$1,059	\$4,874	\$1,059	\$168,415
2030	\$-	\$168,415	\$168,415	\$1,059	\$5,084	\$1,059	\$175,617
2031	\$-	\$175,617	\$175,617	\$1,059	\$5,300	\$1,059	\$183,035
2032	\$-	\$183,035	\$183,035	\$1,059	\$5,523	\$1,059	\$190,675
2033	\$33,771	\$190,675	\$156,904	\$-	\$4,707	\$-	\$161,611
2034	\$51,471	\$161,611	\$110,140	\$-	\$3,304	\$-	\$113,444
2035	\$51,476	\$113,444	\$61,968	\$-	\$1,859	\$-	\$63,827
2036	\$40,534	\$63,827	\$23,293	\$-	\$699	\$-	\$23,992
2037	\$23,292	\$23,992	\$699	\$-	\$21	\$-	\$720
<b>Total</b>	<b>\$200,545</b>						

\*Column may not add due to rounding

\*\*Annual contributions added to individual years - Earnings of half of contributions are included in current year to estimate payment of contributions throughout the year

## ATTACHMENT 16

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

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$345,744
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$205,986 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0 (c)
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (d)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the external sinking fund method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(ii).	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Peach Bottom Atomic Power Station Unit 2 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter.	

(a) All values are based on the EGC ownership share of Peach Bottom Atomic Power Station, Unit 2 of 50%.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) The funding mechanism being used as the source of revenues for the external sinking funds is a non-bypassable charge approved by the Pennsylvania Public Utilities Commission (PaPUC) authorizing PECO Energy Company to continue to collect decommissioning funds for EGC. Any needed adjustments to the amount collected will be made in the next filing of the Nuclear Decommissioning Cost Adjustment (NDCA) to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 4. The last adjustment was effective January 1, 2013, and allows for the collection of annual payments from ratepayers of \$0 through 2032.

## **ATTACHMENT 16**

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

- (d) 10 CFR 50.75(e)(1)(ii) allows licensees to use a rate of return higher than 2% if the applicable rate-setting authority has specifically authorized a higher rate. The PaPUC approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company (Letter from J. J. McNulty (PaPUC), "Approval of Restructuring Plan for PECO Energy Company under Section 2806 of the Public Utility Code; Docket No. R-00973953," to B. D. Crowe (PECO Energy Company) dated May 3, 2001). Accordingly, EGC uses a 3% real rate of return.
- (e) For purposes of this report, permanent termination of operations (shutdown) is expected on August 8, 2033.

## ATTACHMENT 17

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

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$345,744
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$221,590 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0 (c)
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (d)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the external sinking fund method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(ii).	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Peach Bottom Atomic Power Station Unit 3 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter.	

- (a) All values are based on the EGC ownership share of Peach Bottom Atomic Power Station, Unit 3 of 50%.
- (b) The trust fund amount is the amount allocated for radiological decommissioning only.
- (c) The funding mechanism being used as the source of revenues for the external sinking funds is a non-bypassable charge approved by the Pennsylvania Public Utilities Commission (PaPUC) authorizing PECO Energy Company to continue to collect decommissioning funds for EGC. Any needed adjustments to the amount collected will be made in the next filing of the Nuclear Decommissioning Cost Adjustment (NDCA) to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 4. The last adjustment was effective January 1, 2013, and allows for the collection of annual payments from ratepayers of \$0 through 2033.

## **ATTACHMENT 17**

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

- (d) 10 CFR 50.75(e)(1)(ii) allows licensees to use a rate of return higher than 2% if the applicable rate-setting authority has specifically authorized a higher rate. The PaPUC approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company (Letter from J. J. McNulty (PaPUC), "Approval of Restructuring Plan for PECO Energy Company under Section 2806 of the Public Utility Code; Docket No. R-00973953," to B. D. Crowe (PECO Energy Company) dated May 3, 2001). Accordingly, EGC uses a 3% real rate of return.
- (e) For purposes of this report, permanent termination of operations (shutdown) is expected on July 2, 2034.

## **ATTACHMENT 18**

### **Annual Radiological Decommissioning Funding Assurance Report for Quad Cities Nuclear Power Station, Unit 1**

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$493,108
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$332,504 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(a) All values are based on the EGC ownership share of Quad Cities Nuclear Power Station, Unit 1 of 75%.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(d) For purposes of this report, permanent termination of operations (shutdown) is expected on December 14, 2032.

## ATTACHMENT 19

### Annual Radiological Decommissioning Funding Assurance Report for Quad Cities Nuclear Power Station, Unit 2

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$493,108
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$377,488 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	There are no material changes to the trust fund agreements.	

(a) All values are based on the EGC ownership share of Quad Cities Nuclear Power Station, Unit 2 of 75%.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

(d) For purposes of this report, permanent termination of operations (shutdown) is expected on December 14, 2032.



## ATTACHMENT 20

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

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$225,929
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$187,536 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0 (c)
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (d)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the external sinking fund method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(ii).	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Salem Generating Station Unit 1 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter.	

(a) All values are based on the EGC ownership share of Salem Generating Station, Unit 1 of 42.59%.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) The funding mechanism being used as the source of revenues for the external sinking funds is a non-bypassable charge approved by the Pennsylvania Public Utilities Commission (PaPUC) authorizing PECO Energy Company to continue to collect decommissioning funds for EGC. Any needed adjustments to the amount collected will be made in the next filing of the Nuclear Decommissioning Cost Adjustment (NDCA) to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 4. The last adjustment was effective January 1, 2013, and allows for the collection of annual payments from ratepayers of \$0 through 2035.

## **ATTACHMENT 20**

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

- (d) 10 CFR 50.75(e)(1)(ii) allows licensees to use a rate of return higher than 2% if the applicable rate-setting authority has specifically authorized a higher rate. The PaPUC approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company (Letter from J. J. McNulty (PaPUC), "Approval of Restructuring Plan for PECO Energy Company under Section 2806 of the Public Utility Code; Docket No. R-00973953," to B. D. Crowe (PECO Energy Company) dated May 3, 2001). Accordingly, EGC uses a 3% real rate of return.
- (e) For purposes of this report, permanent termination of operations (shutdown) is expected on August 13, 2036.

## ATTACHMENT 21

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

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$225,929
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$157,402 (b)
4	Schedule of the annual amounts remaining to be collected.	\$0 (c)
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (d)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the external sinking fund method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(ii).	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Salem Generating Station Unit 2 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter.	

(a) All values are based on the EGC ownership share of Salem Generating Station, Unit 2 of 42.59%.

(b) The trust fund amount is the amount allocated for radiological decommissioning only.

(c) The funding mechanism being used as the source of revenues for the external sinking funds is a non-bypassable charge approved by the Pennsylvania Public Utilities Commission (PaPUC) authorizing PECO Energy Company to continue to collect decommissioning funds for EGC. Any needed adjustments to the amount collected will be made in the next filing of the Nuclear Decommissioning Cost Adjustment (NDCA) to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 4. The last adjustment was effective January 1, 2013, and allows for the collection of annual payments from ratepayers of \$0 through 2039.

## **ATTACHMENT 21**

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

- (d) 10 CFR 50.75(e)(1)(ii) allows licensees to use a rate of return higher than 2% if the applicable rate-setting authority has specifically authorized a higher rate. The PaPUC approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company (Letter from J. J. McNulty (PaPUC), "Approval of Restructuring Plan for PECO Energy Company under Section 2806 of the Public Utility Code; Docket No. R-00973953," to B. D. Crowe (PECO Energy Company) dated May 3, 2001). Accordingly, EGC uses a 3% real rate of return.
- (e) For purposes of this report, permanent termination of operations (shutdown) is expected on April 18, 2040.

## **ATTACHMENT 22**

### **Annual Radiological Decommissioning Funding Assurance Report for Three Mile Island Nuclear Station, Unit 1**

December 31, 2012  
(Thousands of Dollars)

1	Formula cost amount per 10 CFR 50.75(c)	\$493,080
2	Site-specific cost amount per 10 CFR 50.75(b)(4)	N/A
3	The amount of decommissioning trust funds accumulated as of December 31, 2012	\$530,826 (a)
4	Schedule of the annual amounts remaining to be collected.	\$0
5	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (b)
6	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
7	Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).	
8	Effective January 1, 2013, the Trustee named in the nuclear decommissioning trust agreements for Three Mile Island Nuclear Station Unit 1 changed from The Bank of New York Mellon (BYNM) to The Northern Trust Company (Northern), as detailed in the Reference 2 letter.	

(a) The trust fund amount is the amount allocated for radiological decommissioning only.

(b) A 2% annual real rate of return is used as allowed by 10 CFR 50.75(e)(1)(i).

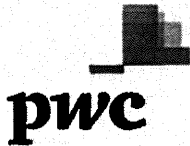
(c) For purposes of this report, permanent termination of operations (shutdown) is expected on April 19, 2034.

## ATTACHMENT 23

### Parent Company Guarantee Financial Test for Limerick Generating Station, Unit 1 December 31, 2012

<b>Exelon Corporation</b>							
<b>Limerick Unit 1</b>							
<b>NRC Regulation Appendix A to Part 30</b>				* Denotes items derived from Exelon's 2012 Form 10-K			
<b>Financial Test</b>							
<b>(Dollars, in millions)</b>							
<b>Paragraph A.2</b>							
<p>(i) Current rating for parent company's most recent uninsured, uncollateralized, and unencumbered bond issuance of AAA, AA, A, or BBB (including adjustments of + or -) as issued by Standard and Poor's or AAA, AA, A, or BAA (including adjustment of 1, 2, or 3) as issued by Moody's</p>							
<b>Exelon's Current Senior Unsecured Debt Ratings:</b>		<b>Current</b>					
S&P		BBB-		A			
Moody's		Baa2		A			
Meet criteria (Y/N)?		Yes					
<p>A - Represents the current senior unsecured debt ratings as of December 31, 2012 for Exelon's 2005 Senior Unsecured Notes maturing in 2015.</p>							
<p>(ii) Total net worth each at least six times the amount of decommissioning funds being assured by a parent company guarantee for the total of all nuclear facilities or parts thereof (or prescribed amount if a certification is used). Total net worth, which may include intangible assets, must be calculated to exclude the net book value and goodwill of the nuclear facility.</p>							
		<b>December 31, 2012</b>					
Total Shareholders' Equity	\$	21,730	*		Ties to 10-K		
Net Book Value of Exelon owned nuclear stations		(735)			Provided by Siddharth Desai, Plant Accounting		
Total Net Worth	\$	20,995					
Amount of decommissioning funds being assured by parent guarantee for total of all nuclear facilities:		115					
		6					
	\$	690					
Meet criteria (Y/N)?		Yes					
<p>(a) - Though the guidance states that intangible assets may be included in the total net worth calculation, Exelon will exclude intangible assets from its total net worth calculation.</p>							
<p>(iii) Tangible net worth of at least \$21 million. Tangible net worth must be calculated to exclude all intangible assets and the net book value of the nuclear facility and site.</p>							
		<b>December 31, 2012</b>					
Total Shareholders' Equity	\$	21,730	*		Ties to 10-K		
Goodwill		(2,625)	*		Ties to 10-K		
Intangible Assets		(1,653)	*		Ties to 10-K (See Intangible Asset Detail)		
Net Book Value of Limerick Station		(735)			Provided by Siddharth Desai, Plant Accounting		
Tangible Net Worth	\$	16,717					
Meet criteria (Y/N)?		Yes					
<p>(iv) Assets located in the United States amounting to at least 90 percent of the total assets or at least six times the current decommissioning cost estimates for the total of all facilities or parts thereof (or prescribed amount if a certification is used), or, for a power reactor licensee, at least six times the amount of decommissioning funds being assured by a parent company guarantee for the total of all reactor units or parts thereof.</p>							
		<b>December 31, 2012</b>					
Assets located in the United States	\$	78,309					
The amount of decommissioning funds being assured by parent guarantee for the total of all reactor units or parts thereof		115					
		6					
	\$	690					
Meet criteria (Y/N)?		Yes					

**Attachment 24**  
**10 CFR 30, Appendix A, Required Independent Auditor's Report for Parent**  
**Company Guarantee**



March 29, 2013

Exelon Corporation  
10 South Dearborn Street  
Chicago, IL 60680

Dear Mr. Thayer:

Enclosed is our Report of Independent Accountants relating to the procedures we have performed, solely to assist you with evaluating the Exelon Corporation's compliance with the financial assurance regulations under Title 10, CFR, Part 30, Appendix A (II) (B) as of December 31, 2012, as detailed in the "Engagement Letter" dated March 6, 2013, including the "Schedule for the Financial Test" to be provided to the NRC with respect to the Limerick Unit 1 nuclear generating station.

Pursuant to the above regulations, the Company's accountant must evaluate the Company's off-balance sheet transactions, with such regulations indicating "It is important to understand the nature and the reason for each off-balance-sheet item and ensure that any such relationships are adequately disclosed." The illustrative auditor's report published by the U.S. Nuclear Regulatory Commission illustrates this being accomplished by the auditor providing an opinion on whether the off-balance sheet transactions could materially adversely affect the Company's ability to pay for decommissioning costs. Specific to this requirement we note the following:

- Accounting principles generally accepted in the United States of America (US GAAP), requires that all material off balance sheet obligations, commitments and contingencies are appropriately disclosed in the financial statements. As you know, we have previously audited the consolidated financial statements of Exelon Corporation and its subsidiaries for the years ending December 31, 2012 and rendered an unqualified opinion dated February 21, 2013, concluding that the financial statements were presented fairly, in all material respects, in conformity with US GAAP.
- Pursuant to our professional standards as specified by the American Institute of Certified Public Accountants, we are unable to comment upon management's statement that the Company's off-balance sheet transactions do not materially adversely affect the Company's ability to satisfy its obligation under the parental guarantee for Limerick Unit 1, due to the subjective nature of that statement. Because the term "material adverse effect" is not clearly defined in an accounting sense, and is therefore subject to varying interpretations, potentially including legal interpretations, we are precluded from giving any form of assurance on this statement.

Very truly yours,

*Priscilla A. Caputo LLP*





## **Report of Independent Accountants**

To the Board of Directors of Exelon Corporation

We have performed the procedures enumerated below, which were agreed to by Exelon Corporation (Exelon) and the U.S Nuclear Regulatory Commission, solely to assist you in evaluating Exelon's compliance with the financial assurance regulations under Title 10, CFR, Part 30, Appendix A (II) (B) as of December 31, 2012, with respect to the accompanying NRC Regulation Appendix A to Part 30, Financial Test (Financial Test) prepared for the Limerick Unit 1 nuclear generating station. Exelon is responsible for the accompanying Financial Test and compliance with the NRC requirements. This agreed-upon procedures engagement was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. The sufficiency of these procedures is solely the responsibility of those parties specified in this report. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

Our procedures included agreeing amounts set forth in the accompanying Financial Test to the audited financial statements of Exelon as of December 31, 2012, re-performing calculations involving the amounts presented in the accompanying Financial Test, as well as inquiry of management.

The procedures performed with respect to the accompanying Financial Test and associated findings are as follows:

- a) We agreed the bond ratings in item (i) of the accompanying Financial Test to the credit rating for senior unsecured debt issued by the respective bond agencies referred to in item (i) according to their respective website as of March 11, 2013 without exception.
- b) We agreed amounts in items (ii) and (iii) identified as "Total Shareholders' Equity", "Goodwill", and "Intangible Assets" as of December 31, 2012 to the December 31, 2012, audited financial statements of Exelon without exception.
- c) We agreed amounts in items (ii) and (iii) identified as "Net Book Value of the Limerick Station" and the amount in item (iv) identified as "Assets located in the United States" as of December 31, 2012 to the "property plant and equipment roll forward as of December 31, 2012" and the "Total Assets Held in U.S. as of December 31, 2012" internal schedules provided to us by management, respectively, without exception. We reconciled the "Total Assets Held in U.S. as of December 31, 2012" schedule in total to total assets on the face of the Balance Sheet per the audited consolidated financial statements of Exelon Corporation as of December 31, 2012 without exception.
- d) We recalculated the amount in item (ii) identified as "Total Net Worth" as being equal to "Total Shareholders' Equity" less "Net Book Value of Limerick Station", without exception. Additionally, we recalculated the ratio of "Total Net Worth" to the amount of decommissioning funds being assured by the Exelon parent guarantee for Limerick, Unit 1, and observed that "Total Net Worth" is at least six times the amount of decommissioning funds being assured by the guarantee without exception.

- e) We recalculated the amount in item (iii) identified as "Tangible Net Worth" as being equal to "Total Shareholders' Equity" less "Goodwill," "Intangible Assets," and "Net Book Value of the Limerick Station", without exception. Additionally, we observed that "Tangible Net Worth" of the Company is at least \$21 million, without exception.
- f) We recalculated the ratio of "Assets located in the United States" to the amount of decommissioning funds being assured by the Exelon parent guarantee for Limerick, Unit 1, and observed that Total Assets located in the U.S is at least six times the amount of decommissioning funds being assured by the guarantee without exception.
- g) We inquired of management who have specific responsibility for Exelon Corporation's financial statements as filed in its Annual Report on Form 10-K, including the Executive Vice President and Chief Financial Officer and the Senior Vice President and Corporate Controller, whether all material off-balance sheet transactions requiring disclosure pursuant to accounting principles generally accepted in the United States of America and SEC reporting regulations have been included in the aforementioned financial statements. Management of Exelon Corporation responded that all material off balance sheet transactions have been disclosed in the Company's consolidated financial statements as filed in its Annual Report on Form 10-K.
- h) We inquired of management regarding whether any of the off balance sheet transactions referred to above, individually or in the aggregate, could materially adversely affect the ability of Exelon Corporation to satisfy its obligations under the parental guaranty for Limerick Unit 1. Management of Exelon Corporation responded that in their opinion, the disclosed off-balance sheet transactions, individually or in the aggregate, would not materially adversely affect Exelon Corporation's ability to satisfy its obligations under the parental guaranty.

We were not engaged to and did not conduct an examination, the objective of which would be the expression of an opinion on the information in the accompanying Financial Test or Exelon's compliance with the NRC requirements. Accordingly, we do not express such an opinion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

This report is intended solely for the information and use of Exelon and the U.S. Nuclear Regulatory Commission, and is not intended to be and should not be used by anyone other than these specified parties.

*R. Christopher Caputo LLP*

Chicago, Illinois  
March 29, 2013

**Attachment 25**  
**Additional Information Regarding Parent Company Guarantee**

The purpose of this document is to provide information to support and supplement the cover letter and Report of Independent Accountants provided to you by PricewaterhouseCoopers LLP ("PwC") in conjunction with Exelon Corporation's compliance with the financial assurance regulations under Title 10, CFR, Part 30, Appendix A (II) (B) as of December 31, 2012 ("Limerick financial assurance tests"), including the "Schedule for the Financial Test" to be provided to the NRC with respect to the Limerick Unit 1 nuclear generating station.

Pursuant to the discussion with the NRC on Wednesday, March 27 regarding our intended plans for demonstrating compliance with the aforementioned Limerick financial assurance tests, we are providing the supplemental information in this document to address the following inquiries made by the NRC during that discussion:

- Can Exelon management explain the basis for its conclusion that the disclosed off-balance sheet transactions, either individually or in the aggregate, would not materially adversely affect Exelon's ability to satisfy its obligations under the Limerick Unit 1 nuclear generating station parental guarantee ("parental guarantee")?
- What level of assurance can PwC provide regarding whether they have a sufficient basis for making and accepting the specific inquiries identified as items h) and i) in the Report of Independent Accountants?

With respect to the first item listed above, as described in PwC's Report of Independent Accountants, management of Exelon Corporation has concluded that the off-balance sheet transactions disclosed in Exelon's Annual Report on Form 10-K for the year ended December 31, 2012 ("2012 10-K"), either individually or in the aggregate, would not materially adversely affect Exelon Corporation's ability to satisfy its obligations under the parental guarantee.

In performing its analysis, management considered the following categories of off-balance sheet transactions as disclosed in the 2012 10-K:

- a. short- and long-term commitments to purchase energy, capacity and transmission rights from unaffiliated utilities and others;
- b. electric supply procurement, curtailment services, renewable energy credit and alternative energy credit purchase commitments;
- c. fuel purchase obligations;
- d. other purchase obligations, which primarily represent commitments for services, materials and information technology;
- e. construction commitments to acquire new assets or enhance existing assets;
- f. minimum future operating lease payments, including lease payments for vehicles, real estate, computers, rail cars, operating equipment and office equipment;
- g. the maximum exposure to loss associated with unconsolidated variable interest entities, including certain equity method investments, pledged assets, and other forms of subordinated financial support;
- h. the net exposure for obligations under commercial transactions covered by energy marketing contract guarantees, which represents the total amount Exelon could be required to fund based on December 31, 2012 market prices; and
- i. commercial and construction commitments made to the State of Maryland in conjunction with the Constellation merger.

Exelon has established a robust set of controls and procedures to ensure that the information related to material off-balance sheet transactions disclosed in the 10-K represents a complete and accurate population of transactions for presentation and disclosure in accordance with GAAP and SEC rules and regulations. These procedures include quarterly internal review and certification procedures performed

across multiple levels of management over the information to be disclosed, completion of checklists related to information required to be disclosed in SEC filings, and detailed review and approval processes related to the execution of new transactions. Exelon management relies upon these controls and procedures each reporting cycle to ensure that all information required to be disclosed in its SEC filings is complete, accurate and in compliance with the pertinent rules and regulations. Likewise, for purposes of the response to PwC's inquiry, Exelon management is relying upon these same controls and procedures to assert that all material off-balance sheet transactions have been appropriately disclosed in the Exelon Corporation 2012 Annual Report on Form 10-K.

After establishing comfort with the completeness of the disclosed off-balance sheet transactions, Exelon management evaluated its financial commitments under these transactions in light of its overall process for managing its sources of liquidity and access to capital. Exelon's financial priorities are to maintain investment grade credit metrics and to return value to Exelon's shareholders with a sustainable dividend throughout the energy commodity market cycle and through earnings growth from attractive investment opportunities. Exelon is committed to maintaining its current investment grade credit rating from the rating agencies by maintaining key credit metrics above target ranges under both market and stress conditions. In order to ensure this objective, Exelon routinely reviews the sufficiency of our liquidity position, including appropriate sizing of credit facility commitments, by performing various stress test scenarios, such as commodity price movements, increases in margin-related transactions, changes in hedging levels, and the impacts of hypothetical credit downgrades. We also continuously monitor events in the financial markets and associated with the financial institutions associated with our credit facilities, including monitoring credit ratings and outlooks, credit default swap levels, capital raising and merger activity. As a result of these procedures, Exelon management believes that our future cash flows from operating activities, access to credit markets, and existing credit facilities provide sufficient liquidity to meet our financial commitments under all transactions, including, but not limited to, off-balance sheet transactions.

Further, in addressing the specific requirements under the Limerick financial assurance tests, Exelon management evaluated the potential impacts of the disclosed off-balance sheet transactions on each of the three tests as follows:

- Management confirmed that the S&P and Moody's bond ratings are determined based on a comprehensive analysis of available financial information, including consideration of the material off-balance sheet transactions as disclosed in Exelon Corporation's Annual Report on Form 10-K. Accordingly, the credit ratings arrived at by the agencies fully contemplate the existence and impact of the disclosed off-balance sheet transactions.
- Management confirmed that the material disclosed off-balance sheet transactions would not impact the calculation that at least 90 percent of Exelon Corporation's total assets are located in the United States.
- The commitments under many of the off-balance sheet transactions listed above pertain to either the acquisition of new assets or the operation of existing assets for the purpose of conducting its business activities. As in the past, such business activities are expected to produce total net positive earnings and cash flows for Exelon and, thus, would be accretive to Exelon's Total Net Worth and Tangible Net Worth calculations. Accordingly, Exelon management has concluded the following:
  - The off-balance sheet transactions described above would not impact the Total Net Worth being at least six times the amount of decommissioning funds being assured by the guarantee.
  - The off-balance sheet transactions described above would not impact the Tangible Net Worth being at least \$21 million.

Finally, with respect to the second inquiry of the NRC described above and as noted by PwC in the cover letter to their Report of Independent Accounts, the professional auditing standards as specified by the American Institute of Certified Public Accountants, do not allow PwC to provide an opinion on management's statement that Exelon Corporation's off-balance sheet transactions do not materially adversely affect Exelon Corporation's ability to satisfy its obligation under the Limerick parental guarantee, due to the subjective nature of that statement. Because the term "material adverse effect" is not clearly defined in an accounting sense, and is therefore subject to varying interpretations, PwC is precluded under their professional standards from giving any form of assurance on this statement. However, PwC has inquired as to management's opinion on this question, and Exelon management, based on the supporting and supplemental information provided in this document, has asserted that it does not believe the off-balance sheet transactions impact Exelon Corporation's ability to satisfy its obligation under the Limerick parental guarantee.

Approved by Jonathan W. Thayer, Executive Vice President and Chief Financial Officer

March 29, 2013