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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

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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.

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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.

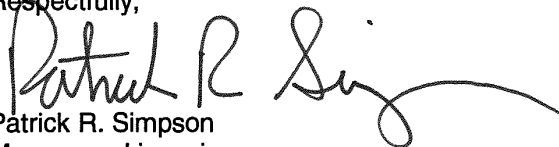
EGC has not made a final determination of the decommissioning approach for any of its nuclear units. EGC uses the formula cost amount or the site-specific decommissioning cost estimates to demonstrate adequacy of funding to meet NRC requirements. EGC may select a different decommissioning option in the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

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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

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- 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<br>Oyster Creek<br>Peach Bottom<br>Salem<br>TMI           | CIU2010000000210I | 117.9                      | 2.16                         | 2.547   |
| Midwest                                  | Braidwood<br>Byron<br>Clinton<br>Dresden<br>LaSalle<br>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<br>Atlantic Compact  | BWR                 | Oyster Creek   | 14.160  |
| South Carolina site<br>Atlantic Compact  | PWR                 | Salem  | 13.885  |
| Generic LLW<br>Disposal Site             | BWR                 | Clinton<br>Dresden<br>LaSalle<br>Limerick<br>Peach Bottom<br>Quad Cities | 14.160  |
| Generic LLW<br>Disposal Site             | PWR                 | Braidwood<br>Byron<br>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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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)

| <b>Year</b> | <b>Radiological<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>Value</b> |
|-------------|---|---|---|------------------------------------|---|
| 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)

| <b>Year</b> | <b>Radiological<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>Value</b> |
|-------------|---|---|---|------------------------------------|---|
| 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)

| <b>Year</b> | <b>Radiological<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>Value</b> |
|-------------|---|---|---|------------------------------------|---|
| 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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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<br>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<br>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<br>method, coupled with an external trust fund, in accordance with 10 CFR<br>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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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)**

| <b>Year</b>  | <b>Radiological<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>Value</b> |
|--------------|---|---|---|------------------------------------|---|
| 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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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)

| <b>Year</b>  | <b>Radiological<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>Value</b> |
|--------------|---|---|---|------------------------------------|---|
| 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)**

| <b>Year</b> | <b>Radiological<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>Value</b> |
|-------------|---|---|---|------------------------------------|---|
| 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)**

| <b>Year</b> | <b>Irradiated<br/>Fuel<br/>Cost*</b> | <b>BOY<br/>Irradiated<br/>Fuel<br/>Trust Fund<br/>Value</b> | <b>BOY<br/>Irradiated<br/>Fuel<br/>Trust Fund<br/>Less Cost</b> | <b>Irradiated<br/>Fuel<br/>Trust Fund<br/>Earnings</b> | <b>EOY<br/>Irradiated<br/>Fuel<br/>Trust Fund<br/>Value</b> |
|-------------|--------------------------------------|---|---|--|---|
| 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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY<br/>Trust Fund<br/>Value<br/>Less Cost</b> | <b>Trust<br/>Fund<br/>Earnings</b> | <b>EOY<br/>Trust<br/>Fund<br/>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<br/>Decommissioning<br/>Cost*</b> | <b>BOY<br/>Trust<br/>Fund<br/>Value</b> | <b>BOY Trust<br/>Fund Value<br/>Less Cost**</b> | <b>First Half<br/>Contributions</b> | <b>Trust Fund<br/>Earnings</b> | <b>Second Half<br/>Contributions</b> | <b>EOY Trust<br/>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**

|  |                          |                |   |  |  |
|--|--------------------------|----------------|---|--|--|
| Exelon Corporation   |                          |                |   |  |  |
| Limerick Unit 1  |                          |                |   |  |  |
| NRC Regulation Appendix A to Part 30   |                          |                |   | * Denotes items derived from Exelon's 2012 Form 10-K |  |
| Financial Test   |                          |                |   |  |  |
| (Dollars, in millions)   |                          |                |   |  |  |
| Paragraph A.2  |                          |                |   |  |  |
| (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   |                          |                |   |  |  |
| Exelon's Current Senior Unsecured Debt Ratings:  |                          | <b>Current</b> |   |  |  |
| S&P  |                          | BBB-           | A   |  |  |
| Moody's  |                          | Baa2           | A   |  |  |
| Meet criteria (Y/N)?   |                          | Yes            |   |  |  |
| A - Represents the current senior unsecured debt ratings as of December 31, 2012 for Exelon's 2005 Senior Unsecured Notes maturing in 2015.  |                          |                |   |  |  |
| (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.  |                          |                |   |  |  |
|  | <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            |   |  |  |
| (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.  |                          |                |   |  |  |
| (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.   |                          |                |   |  |  |
|  | <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            |   |  |  |
| (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. |                          |                |   |  |  |
|  | <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,

*Price Waterhouse Coopers 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.

*P. 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