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10 CFR 50.75(f)(1)

**RS-11-044**

**March 31, 2011**

**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, Unit 1  
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  
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:** 2011 Report on Status of Decommissioning Funding for Reactors

**Reference:** Letter from Patrick R. Simpson (Exelon Generation Company, LLC) to U. S. NRC, "Parent Guarantees for Decommissioning Financial Assurance," dated August 9, 2010

Pursuant to 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), the minimum required decommissioning funding assurance amounts are based either on the NRC minimum formula per 10 CFR 50.75(c), or on site-specific decommissioning cost estimates. Site-specific decommissioning cost estimates used are based on a period of safe storage that is specifically described in the estimates. The decommissioning cost estimates do not include the costs of dismantling non-radiological systems and structures or the costs of managing and storing spent fuel onsite.

EGC has not made the final determination of the decommissioning approach for any of its nuclear units. The generic and site-specific calculations have been selected 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 documented in the Reference, Exelon Corporation previously established parent guarantees to provide additional decommissioning funding assurance for the following units owned by EGC:

Braidwood Station, Unit 1 - \$69M  
Braidwood Station, Unit 2 - \$63M  
Byron Station, Unit 2 - \$87M

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Based on the data as of December 31, 2010, adequate decommissioning funding assurance is provided for these three units, without taking credit for any additional funding assurance provided by these parent guarantees. Therefore, the parent guarantees are no longer required. Hence, this letter also serves as notice to the NRC that Exelon Corporation intends to cancel these parent guarantees. This cancellation will not occur until 120 days after the date of this notice, as specified by 10 CFR 30, Appendix A.

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 me 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  
NRC Senior Resident Inspector – Salem  
NRC Senior Resident Inspector – Three Mile Island Nuclear Station, Unit 1

Attachments:

1. Annual Radiological Decommissioning Funding Assurance Report for Braidwood Station, Unit 1
2. Annual Radiological Decommissioning Funding Assurance Report for Braidwood Station, Unit 2
3. Annual Radiological Decommissioning Funding Assurance Report for Byron Station, Unit 1

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4. Annual Radiological Decommissioning Funding Assurance Report for Byron Station, Unit 2
5. Annual Radiological Decommissioning Funding Assurance Report for Clinton Power Station, Unit 1
6. Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 1
7. Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 2
8. Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 3
9. Annual Radiological Decommissioning Funding Assurance Report for LaSalle County Station, Unit 1
10. Annual Radiological Decommissioning Funding Assurance Report for LaSalle County Station, Unit 2
11. Annual Radiological Decommissioning Funding Assurance Report for Limerick Generating Station, Unit 1
12. Annual Radiological Decommissioning Funding Assurance Report for Limerick Generating Station, Unit 2
13. Annual Radiological Decommissioning Funding Assurance Report for Oyster Creek Nuclear Generating Station
14. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 1
15. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 2
16. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 3
17. Annual Radiological Decommissioning Funding Assurance Report for Quad Cities Nuclear Power Station, Unit 1
18. Annual Radiological Decommissioning Funding Assurance Report for Quad Cities Nuclear Power Station, Unit 2
19. Annual Radiological Decommissioning Funding Assurance Report for Salem Generating Station, Unit 1
20. Annual Radiological Decommissioning Funding Assurance Report for Salem Generating Station, Unit 2
21. Annual Radiological Decommissioning Funding Assurance Report for Three Mile Island Nuclear Station, Unit 1

**ATTACHMENT 1****Annual Radiological Decommissioning Funding Assurance Report for  
Braidwood Station, Unit 1**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a PWR from 10 CFR 50.75(c)	\$477,516
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	\$615,495 (a)
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$227,454 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 minimum funding assurance amount in 10 CFR 50.75(c) as required by 10 CFR 50.75(b). The site-specific estimate was submitted in a letter from Patrick R. Simpson (EGC) to U.S. NRC, "Submittal of Braidwood Station Site-Specific SAFSTOR Decommissioning Cost Estimate," dated January 11, 2010. The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2010.

(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 cessation of operations (shutdown) is expected on October 17, 2026.

**ATTACHMENT 2**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**Braidwood Station, Unit 2**  
 December 31, 2010  
 (Thousands of dollars)

- |   |  |               |
|---|--|---------------|
| 1 | Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):  |               |
|   | Required minimum funding assurance amount, based on the formula for a PWR from 10 CFR 50.75(c)   | \$477,516     |
|   | Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)  | \$672,827 (a) |
| 2 | The amount of decommissioning trust funds accumulated as of December 31, 2010  | \$248,282 (b) |
| 3 | Schedule of the annual amounts remaining to be collected.  | \$0           |
| 4 | Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections  | 2% (c)        |
| 5 | There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).  |               |
| 6 | 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). |               |
| 7 | 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 minimum funding assurance amount in 10 CFR 50.75(c) as required by 10 CFR 50.75(b). The site-specific estimate was submitted in a letter from Patrick R. Simpson (EGC) to U.S. NRC, "Submittal of Braidwood Station Site-Specific SAFSTOR Decommissioning Cost Estimate," dated January 11, 2010. The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2010.
- (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 cessation of operations (shutdown) is expected on December 18, 2027.

**ATTACHMENT 3**

**Annual Radiological Decommissioning Funding Assurance Report for  
Byron Station, Unit 1  
December 31, 2010  
(Thousands of dollars)**

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a PWR from 10 CFR 50.75(c)	\$477,516
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	\$604,059 (a)
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$252,080 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 minimum funding assurance amount in 10 CFR 50.75(c) as required by 10 CFR 50.75(b). The site-specific estimate was submitted in a letter from Patrick R. Simpson (EGC) to U.S. NRC, "Submittal of Byron Station Site-Specific SAFSTOR Decommissioning Cost Estimate," dated November 16, 2009. The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2010.

(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 cessation of operations (shutdown) is expected on October 31, 2024.

**ATTACHMENT 4**

**Annual Radiological Decommissioning Funding Assurance Report for  
Byron Station, Unit 2  
December 31, 2010  
(Thousands of dollars)**

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a PWR from 10 CFR 50.75(c)	\$477,516
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	\$656,548 (a)
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$244,915 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 minimum funding assurance amount in 10 CFR 50.75(c) as required by 10 CFR 50.75(b). The site-specific estimate was submitted in a letter from Patrick R. Simpson (EGC) to U.S. NRC, "Submittal of Byron Station Site-Specific SAFSTOR Decommissioning Cost Estimate," dated November 16, 2009. The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2010.

(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 cessation of operations (shutdown) is expected on November 6, 2026.



**ATTACHMENT 5****Annual Radiological Decommissioning Funding Assurance Report for  
Clinton Power Station, Unit 1**December 31, 2010  
(Thousands of dollars)

- |   |  |               |
|---|--|---------------|
| 1 | Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):  |               |
|   | Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)   | \$622,788     |
|   | Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)  | \$795,863 (a) |
| 2 | The amount of decommissioning trust funds accumulated as of December 31, 2010  | \$386,252 (b) |
| 3 | Schedule of the annual amounts remaining to be collected.  | \$0           |
| 4 | Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections  | 2% (c)        |
| 5 | There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).  |               |
| 6 | 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). |               |
| 7 | 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 minimum funding assurance amount in 10 CFR 50.75(c) as required by 10 CFR 50.75(b). The site-specific estimate was submitted in a letter from Patrick R. Simpson (EGC) to U.S. NRC, "Submittal of Clinton Power Station Site-Specific SAFSTOR Decommissioning Cost Estimate," dated August 27, 2009. The costs have been escalated from the 2007 dollars in the decommissioning cost estimate to December 31, 2010.
- (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 cessation of operations (shutdown) is expected on September 29, 2026.

**ATTACHMENT 6****Annual Radiological Decommissioning Funding Assurance Report for  
Dresden Nuclear Power Station, Unit 1**December 31, 2010  
(Thousands of dollars)

- |   |   |               |
|---|---|---------------|
| 1 | Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):   |               |
|   | Required minimum funding assurance amount, based on the formula from 10 CFR 50.75(c)  | N/A           |
|   | Amount of decommissioning funds estimated to be required, as of December 31, 2010, to maintain the reactor in a safe storage condition and to ensure the availability of funds to ultimately release the site and terminate the license | \$208,031 (a) |
| 2 | The amount of decommissioning trust funds accumulated as of December 31, 2010   | \$268,260 (b) |
| 3 | Schedule of the annual amounts remaining to be collected.   | \$0           |
| 4 | Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections   | 2% (c)        |
| 5 | There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).   |               |
| 6 | 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).  |               |
| 7 | There are no material changes to the trust fund agreements.   |               |
- (a) The amount of decommissioning funds estimated to be required is based on the DECON scenario from the site-specific cost estimate (TLG Report E16-1555-007, Revision 0, "Decommissioning Cost Analysis for the Dresden Nuclear Power Station Unit 1," February 2008), as required by 10 CFR 50.75(f)(3) and 10 CFR 50.82(a)(8)(iii). This decommissioning cost estimate has been adjusted pursuant to 10 CFR 50.82(a)(8)(iv), and is consistent with the description of planned decommissioning activities in the Dresden Nuclear Power Station, Unit 1, PSDAR as updated in a letter from Keith R. Jury (EGC) to U.S. NRC, "Update to Dresden Nuclear Power Station Unit 1 Post-Shutdown Decommissioning Activities Report," on January 5, 2007. The costs have been escalated from the 2007 dollars in the decommissioning cost estimate to December 31, 2010.
- (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) 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.

**ATTACHMENT 7****Annual Radiological Decommissioning Funding Assurance Report for  
Dresden Nuclear Power Station, Unit 2**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$602,550
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$475,657 (a)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (b)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 cessation of operations (shutdown) is expected on December 22, 2029.

**ATTACHMENT 8**

**Annual Radiological Decommissioning Funding Assurance Report for  
Dresden Nuclear Power Station, Unit 3  
December 31, 2010  
(Thousands of dollars)**

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$602,550
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$486,147 (a)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (b)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 cessation of operations (shutdown) is expected on January 12, 2031.

**ATTACHMENT 9****Annual Radiological Decommissioning Funding Assurance Report for  
LaSalle County Station, Unit 1**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$622,788
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	\$683,505 (a)
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$346,780 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 minimum funding assurance amount in 10 CFR 50.75(c) as required by 10 CFR 50.75(b). The site-specific estimate was submitted in a letter from Patrick R. Simpson (EGC) to U.S. NRC, "Submittal of LaSalle County Station Site-Specific SAFSTOR Decommissioning Cost Estimate," dated August 27, 2009. The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2010.

(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 cessation of operations (shutdown) is expected on April 17, 2022.

**ATTACHMENT 10**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**LaSalle County Station, Unit 2**  
December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$622,788
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	\$670,100 (a)
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$340,844 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 minimum funding assurance amount in 10 CFR 50.75(c) as required by 10 CFR 50.75(b). The site-specific estimate was submitted in a letter from Patrick R. Simpson (EGC) to U.S. NRC, "Submittal of LaSalle County Station Site-Specific SAFSTOR Decommissioning Cost Estimate," dated August 27, 2009. The costs have been escalated from the 2009 dollars in the decommissioning cost estimate to December 31, 2010.

(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 cessation of operations (shutdown) is expected on December 16, 2023.

**ATTACHMENT 11****Annual Radiological Decommissioning Funding Assurance Report for  
Limerick Generating Station, Unit 1**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$634,961
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$248,238 (a)
3	Schedule of the annual amounts remaining to be collected.	\$7,170 (b)
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	There are no material changes to the trust fund agreements.	

- (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 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 to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 3. The last adjustment was effective January 1, 2008, and allows for the collection of annual payments from ratepayers of \$7,170K through 2023.
- (c) The Pennsylvania Public Utility Commission (PaPUC) approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company as allowed by 10 CFR 50.75(e)(1)(ii) (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).
- (d) For purposes of this report, permanent cessation of operations (shutdown) is expected on October 26, 2024.

**ATTACHMENT 12****Annual Radiological Decommissioning Funding Assurance Report for  
Limerick Generating Station, Unit 2**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$634,961
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$249,578 (a)
3	Schedule of the annual amounts remaining to be collected.	\$11,747 (b)
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	There are no material changes to the trust fund agreements.	

- (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 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 to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 3. The last adjustment was effective January 1, 2008, and allows for the collection of annual payments from ratepayers of \$11,747K through 2028.
- (c) The Pennsylvania Public Utility Commission (PaPUC) approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company as allowed by 10 CFR 50.75(e)(1)(ii) (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).
- (d) For purposes of this report, permanent cessation of operations (shutdown) is expected on June 22, 2029.



**ATTACHMENT 13****Annual Radiological Decommissioning Funding Assurance Report for  
Oyster Creek Nuclear Generating Station**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$570,853
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$722,955 (a)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (b)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 cessation 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 14****Annual Radiological Decommissioning Funding Assurance Report for  
Peach Bottom Atomic Power Station, Unit 1**December 31, 2010  
(Thousands of dollars)

- |   |   |              |
|---|---|--------------|
| 1 | Amount of decommissioning funds estimated to be required under 10 CFR 50.75 (b) and (c):  |              |
|   | Required minimum funding assurance amount, based on the formula from 10 CFR 50.75(c)  | N/A          |
|   | Amount of decommissioning funds estimated to be required, as of December 31, 2010, to maintain the reactor in a safe storage condition and to ensure the availability of funds to ultimately release the site and terminate the license | \$59,295 (a) |
| 2 | The amount of decommissioning trust funds accumulated as of December 31, 2010   | \$50,531 (b) |
| 3 | Schedule of the annual amounts remaining to be collected.   | \$2,208 (c)  |
| 4 | Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections   | 3% (d)       |
| 5 | There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).   |              |
| 6 | 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).  |              |
| 7 | There are no material changes to the trust fund agreements.   |              |
- (a) The amount of decommissioning funds estimated to be required is based on the DECON scenario from 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), as required by 10 CFR 50.75(f)(3) and 10 CFR 50.82(a)(8)(iii). This decommissioning cost estimate has been adjusted pursuant to 10 CFR 50.82(a)(8)(iv), and is consistent with the description of planned decommissioning activities in the Peach Bottom, Unit 1, Decommissioning Plan.
- (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 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 to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 3. The last adjustment was effective January 1, 2008, and allows for the collection of annual payments from ratepayers of \$2,208K through 2032.

- (d) The Pennsylvania Public Utility Commission (PaPUC) approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company as allowed by 10 CFR 50.75(e)(1)(ii) (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).
- (e) 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 2**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$317,480
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$184,318 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0 (c)
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (d)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	There are no material changes to the trust fund agreements.	

- (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 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 to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 3. The last adjustment was effective January 1, 2008, and allows for the collection of annual payments from ratepayers of \$0 through 2032.
- (d) The Pennsylvania Public Utility Commission (PaPUC) approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company as allowed by 10 CFR 50.75(e)(1)(ii) (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).
- (e) For purposes of this report, permanent cessation of operations (shutdown) is expected on August 8, 2033.

**ATTACHMENT 16****Annual Radiological Decommissioning Funding Assurance Report for  
Peach Bottom Atomic Power Station, Unit 3**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$317,480
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$200,130 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0 (c)
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (d)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	There are no material changes to the trust fund agreements.	

- (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 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 to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 3. The last adjustment was effective January 1, 2008, and allows for the collection of annual payments from ratepayers of \$0 through 2033.
- (d) The Pennsylvania Public Utility Commission (PaPUC) approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company as allowed by 10 CFR 50.75(e)(1)(ii) (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).
- (e) For purposes of this report, permanent cessation of operations (shutdown) is expected on July 2, 2034.

**ATTACHMENT 17****Annual Radiological Decommissioning Funding Assurance Report for  
Quad Cities Nuclear Power Station, Unit 1**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$451,912
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$301,270 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 cessation of operations (shutdown) is expected on December 14, 2032.

**ATTACHMENT 18****Annual Radiological Decommissioning Funding Assurance Report for  
Quad Cities Nuclear Power Station, Unit 2**December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a BWR from 10 CFR 50.75(c)	\$451,912
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$341,517 (b)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (c)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 cessation of operations (shutdown) is expected on December 14, 2032.

**ATTACHMENT 19**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**Salem Generating Station, Unit 1**  
December 31, 2010  
(Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a PWR from 10 CFR 50.75(c)	\$207,406
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$157,676 (b)
3	Schedule of the annual amounts remaining to be collected.	\$4,841 (c)
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (d)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	There are no material changes to the trust fund agreements.	

- (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 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 to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 3. The last adjustment was effective January 1, 2008, and allows for the collection of annual payments from ratepayers of \$4,841K through 2015.
- (d) The Pennsylvania Public Utility Commission (PaPUC) approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company as allowed by 10 CFR 50.75(e)(1)(ii) (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).
- (e) For purposes of this report, permanent cessation of operations (shutdown) is expected on August 13, 2016.



**ATTACHMENT 20**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**Salem Generating Station, Unit 2**  
 December 31, 2010  
 (Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a PWR from 10 CFR 50.75(c)	\$207,406
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$133,670 (b)
3	Schedule of the annual amounts remaining to be collected.	\$3,195 (c)
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	3% (d)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	There are no material changes to the trust fund agreements.	

- (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 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 to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 3. The last adjustment was effective January 1, 2008, and allows for the collection of annual payments from ratepayers of \$3,195K through 2019.
- (d) The Pennsylvania Public Utility Commission (PaPUC) approved a 3% real rate of return as part of the approval of the restructuring plan for PECO Energy Company as allowed by 10 CFR 50.75(e)(1)(ii) (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).
- (e) For purposes of this report, permanent cessation of operations (shutdown) is expected on April 18, 2020.

**ATTACHMENT 21**  
**Annual Radiological Decommissioning Funding Assurance Report for**  
**Three Mile Island Nuclear Station, Unit 1**  
 December 31, 2010  
 (Thousands of dollars)

1	Amount of decommissioning funds estimated to be required under 10 CFR 50.75(b) and (c):	
	Required minimum funding assurance amount, based on the formula for a PWR from 10 CFR 50.75(c)	\$452,655
	Amount of decommissioning funds estimated to be required, based on site-specific estimate per 10 CFR 50.75(b)	N/A
2	The amount of decommissioning trust funds accumulated as of December 31, 2010	\$489,906 (a)
3	Schedule of the annual amounts remaining to be collected.	\$0
4	Assumptions used regarding rates of escalation, earnings, and other factors used in funding projections	2% (b)
5	There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).	
6	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).	
7	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 cessation of operations (shutdown) is expected on April 19, 2034.