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CENG
a joint venture of
Constellation Energy EDF

10 CFR 50.75

March 26, 2014

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Calvert Cliffs Independent Spent Fuel Storage Installation
Materials License No. SNM-2505; Docket No. 72-8
Nine Mile Point Nuclear Station
Unit Nos. 1 & 2; Docket Nos. 50-220 & 50-410
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

2014 Decommissioning Funding Status Report

REFERENCES:

(a) Letter from D. E. Lauver (CCNPP) to Document Control Desk (NRC), Submittal of Site-Specific SAFSTOR Decommissioning Cost Estimates, dated March 22, 2011 (ML110830680)

(b) Letter from H. B. Barron (CENG) to Document Control Desk (NRC), Submittal of Site-Specific SAFSTOR Decommissioning Cost Estimates, dated November 20, 2009 (ML093340088)

(c) Letter from S. A. Mormann (CENG) to Document Control Desk (NRC), ISFSI Decommissioning Funding Plans, dated December 17, 2012 (ML123550040)

(d) Letter from M. G. Korsnick (CENG) to Document Control Desk (NRC), Application for Order Approving Transfer of Operating Authority and Conforming License Amendments, dated August 6, 2013 (ML13232A156 and ML13232A157)

(e) Letter from M. G. Korsnick (CENG) to Document Control Desk (NRC), License Amendment Supplement to Application for Order Approving Transfer of Operating Authority, dated September 23, 2013 (ML13269A131)

(f) Letter from S. A. Mormann (CENG) to Document Control Desk (NRC), 2013 Decommissioning Funding Status Report, dated March 27, 2013 (ML13098A084)

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Pursuant to the requirements of Title 10 Code of Federal Regulations (CFR) 50.75(f)(1), this letter forwards the 2014 Decommissioning Funding Status Report (which reports the funding status as of December 31, 2013) on the status of decommissioning funding for Calvert Cliffs Nuclear Power Plant (CCNPP), R.E. Ginna Nuclear Power Plant (Ginna), and Nine Mile Point Nuclear Station (NMPNS) (collectively, the Facilities). Ginna, CCNPP, and NMPNS Unit 1 (NMP1) are wholly owned subsidiaries of Constellation Energy Nuclear Group, LLC (CENG). Nine Mile Point Nuclear Station Unit 2 (NMP2) is co-owned 82% by a wholly owned subsidiary of CENG and 18% by Long Island Power Authority (LIPA). The information provided in this letter for NMP2 includes summary statements provided and verified by LIPA.

Title 10 CFR 50.75(f)(1) requires that each power reactor licensee report, on a calendar-year basis, to the U.S. Nuclear Regulatory Commission (NRC) at least once every two years (or annually for plants involved in a merger or acquisition) on the status of its decommissioning funding for each reactor or part of a reactor that it owns. As of December 31, 2013, Exelon Corporation (Exelon), through its 100% ownership of Exelon Generation Company, LLC (ExGen), was the ultimate owner of 50.01% of CENG. As stated in References (d) and (e), Exelon, ExGen, Electricité de France, S.A. (EDF), and CENG were involved in a pending transaction on December 31, 2013, whereby upon the completion of the transaction, the operating authority under the NRC licenses for the Facilities will transfer to ExGen. This letter and the associated attachments satisfy the requirement for annual reporting of the status of decommissioning liability and funding during the period of such pending transaction.

Our approach and structure of this letter and the associated attachments is consistent with our 2013 report submitted in Reference (f). The information required by 10 CFR 50.75(f)(1) is provided in Attachment (1), which contains a table and explanatory notes for each site, with the NRC Minimum amounts calculated based upon the labor, energy, and burial cost escalation factor guidelines in NUREG-1307, Revision 15, issued in January 2013. Financial assurance for radiological decommissioning to allow for license termination for each unit is demonstrated by the use of site-specific nuclear decommissioning cost studies in lieu of the NRC Minimum amounts. Reference (a) contains the nuclear decommissioning cost study for CCNPP. Reference (b) contains the nuclear decommissioning cost studies for NMPNS and Ginna. Each of these nuclear decommissioning cost studies (collectively, the Cost Studies) presents decommissioning cost estimates (DCEs) under an immediate decontamination (prompt DECON) Scenario 1 and a delayed DECON (SAFSTOR) Scenario 3.

The Cost Studies are in 2009 dollars. The DCEs are escalated from 2009 dollars to December 31, 2013 dollars based on the rates of increase in the NRC Minimum amounts for the respective units from December 31, 2008 to December 31, 2013. That period approximates the period from the Cost Studies, which reflect 2009 dollars, to December 31, 2013. Attachment (5) calculates the rates of increase in the NRC Minimum during that period, and it includes the calculation of the NRC Minimum amount for each unit as of December 31, 2008 using the unit's total megawatt thermal rating as of December 31, 2013.

Title 10 CFR 50.75(b)(1) requires that the DCEs be greater than the NRC Minimum amounts if they are to be relied on for decommissioning funding assurance. The NRC Minimum amounts as of December 31, 2013 are calculated in Attachment (2). As shown in Attachment (3), the DCEs based on the Scenario 1 prompt DECON assumptions in the Cost Studies, with the DCEs escalated to December 31, 2013 dollars, are greater than the NRC Minimum amounts.

The demonstration of financial assurance for the radiological decommissioning of each unit is based on the Scenario 3 SAFSTOR assumptions in the Cost Studies, with costs escalated to December 31, 2013 dollars. Attachment (4) presents the annual escalated DCEs, the annual earnings at an assumed 2% real rate of return on the funds, and the annual fund balances available to provide for the radiological

decommissioning of the units following a period of SAFSTOR, pursuant to 10 CFR 50.75(c) and (e). The positive balances of the trust funds throughout the decommissioning periods confirm adequate financial assurance for each of the units because the respective nuclear decommissioning trust funds are sufficient to provide for the radiological decommissioning of the units.

The amounts accumulated as of December 31, 2013 in the external decommissioning trusts include not only funds for the radiological decommissioning of the units, but also funds allocated (the Allocated ISFSI Amounts) for the radiological decommissioning of the Facilities' independent spent fuel storage installations (ISFSIs). Pursuant to 10 CFR 50.75 (b) and (c), only the funds for the radiological decommissioning of the units (and not any of the Allocated ISFSI Amounts) are included in the amounts used in the demonstration of financial assurance in Attachment (4). For consistency in approach and presentation with the ISFSI decommissioning funding plan submitted in Reference (c), the Allocated ISFSI Amounts are presented in separate ISFSI columns within Attachment (4). The Allocated ISFSI Amounts as of December 31, 2013 are the present values of funds necessary to provide for the radiological decommissioning of the ISFSIs and are based on Scenario 3 of the Cost Studies.

The DCEs and funding measures described herein are presented solely to demonstrate the adequacy of radiological decommissioning financial assurance under NRC regulations. This information is not intended to be used in any other context (see 10 CFR 50.75(a)). Also, a final determination of the ultimate decommissioning approach for each of the units has not been made. Different decommissioning options, with different costs and schedules, which also meet the requirements under 10 CFR 50.75, may be chosen in the future.

There are no new regulatory commitments contained in this letter.

Should you have questions regarding the information in this submittal, please contact Bruce Montgomery, Manager – Nuclear Safety and Security, at (410) 470-3777.

Very truly yours,

Stephen A. Mormann

SAM/EMT

Attachments:
(1) Summary of Funding Status as of December 31, 2013
(2) NRC Minimum Calculations as of December 31, 2013
(3) Comparison of Site-Specific Decommissioning Cost Estimates to NRC Minimum Amounts as of December 31, 2013
(4) Funding and Financial Assurance Analysis as of December 31, 2013
(5) Cost Escalations from Site-Specific Decommissioning Cost Estimates to December 31, 2013 Dollars

cc: NRC Project Manager, Calvert Cliffs
NRC Project Manager, Ginna
NRC Project Manager, Nine Mile Point
Regional Administrator, NRC Region I
Resident Inspector, Calvert Cliffs
Resident Inspector, Ginna
Resident Inspector, Nine Mile Point
S. Gray, DNR

ATTACHMENT (1)

SUMMARY OF FUNDING STATUS AS OF DECEMBER 31, 2013

Constellation Energy Nuclear Group, LLC
March 26, 2014

ATTACHMENT (1)

SUMMARY OF FUNDING STATUS AS OF DECEMBER 31, 2013

Calvert Cliffs Nuclear Power Plant, LLC
Unit Nos. 1 & 2
Docket Nos. 50-317 & 50-318

Table 1 – Calvert Cliffs Nuclear Power Plant (CCNPP)

	Information Required by 10 CFR 50.75(f)(1)	Unit 1 ($000's)	Unit 2 ($000's)	Total ($000's)
1a	The NRC Minimum amount[1] as of December 31, 2013, pursuant to 10 CFR 50.75 (b) and (c), as calculated in Attachment (2)	$488,909[2]	$488,909[2]	$977,818[2]
1b	Decommissioning cost estimate from site-specific study Scenario 1 (prompt DECON without SAFSTOR costs) for CCNPP (Reference a) escalated to December 31, 2013 dollars, as described in Attachment (3), which demonstrates that the site-specific decommissioning cost estimate is greater than the NRC Minimum amount on Row 1a	$503,775[2]	$501,494[2]	$1,005,269[2]
1c	Decommissioning cost estimate from site-specific study Scenario 3 (SAFSTOR) for CCNPP (Reference a) escalated to December 31, 2013 dollars, as described in Attachment (4)	$670,919[2]	$669,965[2]	$1,340,884[2]
2	The amount accumulated as of December 31, 2013 in the external decommissioning trust pursuant to 10 CFR 50.75 (b) and (c) for the radiological decommissioning of the unit, net of income taxes payable/receivable	$292,163[3]	$380,772[3]	$672,935
3	Schedule of the annual amounts remaining to be collected	$0	$0	$0
4	Assumptions used regarding escalation in decommissioning cost, rate of earnings on decommissioning funds, and other factors used in funding projections			
	Annual decommissioning cost escalation	4%[4]		
	Annual after-tax rate of earnings on decommissioning funds	6%[4]		
	Frequency of contribution to the decommissioning trust	N/A		
5	Any contracts upon which CENG is relying pursuant to 10 CFR 50.75 (e)(1)(ii)(B)	No		
6	Any modifications to CENG's current method of providing financial assurance since the last submitted report	No		
7	Any material changes to trust agreements	No		

Table 1 Notes – Calvert Cliffs Nuclear Power Plant

1 The NRC Minimum amounts in Row 1a are based on the generic NRC Minimum funding calculation specified in 10 CFR 50.75(c)(1), as adjusted in accordance with paragraph 50.75(c)(2) and Revision 15 of NUREG-1307 (January 2013). The Bureau of Labor Statistics (BLS) indices used regarding energy and labor cost factors were taken from the best source available during the preparation of this submittal, which were the indices published as of December 2013 (preliminary for energy and final for labor). The burial cost escalation factors were taken from the NUREG-1307, Revision 15, Table 2-1, PWR Values for Generic LLW Waste Disposal Site Combination of Compact-Affiliated and Non-Compact Facility for the year 2012.

2 The amounts in Rows 1a, 1b, and 1c represent decommissioning costs anticipated to be incurred in removing the CCNPP units safely from service and reducing residual radioactivity to levels that permit release of the property for unrestricted use and termination of the license. The costs of managing and storing spent fuel on the site until transfer to the U. S. Department of Energy (DOE), the costs of dismantling nonradioactive systems and structures, and the costs of performing brownfielding activities are not included in this estimate.

3 The trust fund balances in Row 2 generally contemplate that common decommissioning costs would be borne primarily by Unit 2, since the common facilities cannot be decommissioned until Unit 2 is decommissioned. However, the site-specific SAFSTOR nuclear decommissioning cost study referenced in Reference (a) allocated the costs of decommissioning the common facilities substantially evenly between Unit 1 and Unit 2.

4 The long-term target rate of return for the fund is approximately 6.5%; however, CENG employs only a 6% rate of return in Row 4 in accordance with the "up to a 2 percent annual real rate of return" limitation set forth in 10 CFR 50.75(e). The weighted average cost escalation value of 4% in Row 4 for all decommissioning costs is based on recent decommissioning cost escalation analyses performed on a Constellation Energy Nuclear Group fleet-wide basis.

Nine Mile Point Nuclear Station, LLC
Unit Nos. 1 & 2
Docket Nos. 50-220 & 50-410

Table 2 – Nine Mile Point Nuclear Station (NMPNS)[1] (Portion Owned by Constellation Energy Nuclear Group (CENG))
(100% of Unit 1 and 82% of Unit 2)

	Information Required by 10 CFR 50.75(f)(1)	Unit 1 ($000's)	Unit 2 ($000's)	Total ($000's)
1a	The NRC Minimum amount [2] as of December 31, 2013, pursuant to 10 CFR 50.75 (b) and (c), as calculated in Attachment (2)	$620,778[3]	$569,583[3]	$1,190,361[3]
1b	Decommissioning cost estimate from site-specific study Scenario 1 (prompt DECON without SAFSTOR costs) for NMPNS (Reference b) escalated to December 31, 2013 dollars, as described in Attachment (3), which demonstrates that the site-specific decommissioning cost estimate is greater than the NRC Minimum amount on Row 1a	$671,164[3]	$595,470[3]	$1,266,634[3]
1c	Decommissioning cost estimate from site-specific study Scenario 3 (SAFSTOR) for NMPNS (Reference b) escalated to December 31, 2013 dollars, as described in Attachment (4)	$851,068[3]	$809,475[3]	$1,660,543[3]
2	The amount accumulated as of December 31, 2013 in the external decommissioning trust pursuant to 10 CFR 50.75 (b) and (c) for the radiological decommissioning of the unit, net of income taxes payable/receivable	$515,461	$324,711	$840,172
3	Schedule of the annual amounts remaining to be collected	$0	$0	$0
4	Assumptions used regarding escalation in decommissioning cost, rate of earnings on decommissioning funds, and other factors used in funding projections			
	Annual decommissioning cost escalation	4%[4]		
	Annual after-tax rate of earnings on decommissioning funds	6%[4]		
	Frequency of contribution to the decommissioning trust	N/A		
5	Any contracts upon which CENG is relying pursuant to 10 CFR 50.75 (e)(1)(ii)(B)	No		
6	Any modifications to CENG's current method of providing financial assurance since the last submitted report	No		
7	Any material changes to trust agreements	No		

Table 2 Notes - Nine Mile Point Nuclear Station[1] (Portion Owned by CENG)
(100% of Unit 1 (NMP1) and 82% of Unit 2 (NMP2))

1 Constellation Energy Nuclear Group (CENG) owns 100% of NMP1 and 82% of NMP2. The amounts provided in Table 2 reflect CENG's 100% share of decommissioning responsibilities for NMP1 and CENG's 82% share of decommissioning responsibilities for NMP2. Table 3 contains information regarding LIPA's 18% share of decommissioning responsibilities for NMP2.

2 The NRC Minimum amounts in Row 1a are based on the generic NRC Minimum funding calculation specified in 10 CFR 50.75(c)(1), as adjusted in accordance with paragraph 50.75(c)(2) and Revision 15 of NUREG-1307 (January 2013). The BLS indices used regarding energy and labor cost factors were taken from the best source available during the preparation of this submittal, which were the indices published as of December 2013 (preliminary for energy and final for labor). The burial cost escalation factors were taken from the NUREG-1307, Revision 15, Table 2-1, BWR Values for Generic LLW Waste Disposal Site Combination of Compact-Affiliated and Non-Compact Facility for the year 2012.

3 The amounts in Rows 1a, 1b, and 1c represent the decommissioning costs, relative to the CENG interests, as anticipated to be incurred in removing the NMPNS units safely from service and reducing residual radioactivity to levels that permit release of the property for unrestricted use and termination of the license. The costs of managing and storing spent fuel on the site until transfer to the DOE, the costs of dismantling nonradioactive systems and structures, and the costs of performing greenfielding activities are not included in this estimate.

4 The long-term target rate of return for the fund is approximately 6.5%; however, CENG employs only a 6% rate of return in Row 4 in accordance with the "up to a 2 percent annual real rate of return" limitation set forth in 10 CFR 50.75(e). The weighted average cost escalation value of 4% in Row 4 for all decommissioning costs is based on recent cost escalation analyses performed on a CENG fleet-wide basis.

Nine Mile Point Nuclear Station, LLC
Unit Nos. 1 & 2
Docket Nos. 50-220 & 50-410

Table 3 – Nine Mile Point Nuclear Station[1] (Portion Owned by LIPA)
(18% of Unit 2)

Note: ***Information in this table for Rows 2-7 was provided by the NMP2 18% owner, Long Island Power Authority (LIPA). Constellation Energy Nuclear Group has not independently verified or assessed the information provided by this co-owner.***

	Information Required by 10 CFR 50.75(f)(1)	Unit 1 ($000's)	Unit 2 ($000's)	Total ($000's)
1a	The NRC Minimum amount [2] as of December 31, 2013, pursuant to 10 CFR 50.75 (b) and (c), as calculated in Attachment (2)	N/A	$125,030[3]	$125,030[3]
1b	Decommissioning cost estimate from site-specific study Scenario 1 (prompt DECON without SAFSTOR costs) for NMPNS (Reference b) escalated to December 31, 2013 dollars, as described in Attachment (3), which demonstrates that the site-specific decommissioning cost estimate is greater than the NRC Minimum amount on Row 1a	N/A	$130,713[3]	$130,713[3]
1c	Decommissioning cost estimate from site-specific study Scenario 3 (SAFSTOR) for NMPNS (Reference b) escalated to December 31, 2013 dollars, as described in Attachment (4)	N/A	$177,690[3]	$177,690[3]
2	The amount accumulated as of December 31, 2013 in the external decommissioning trust pursuant to 10 CFR 50.75 (b) and (c) for the radiological decommissioning of the unit, net of income taxes payable/receivable	N/A	$83,940	$83,940
3	Schedule of the annual amounts remaining to be collected	N/A	$0	$0
4	Assumptions used regarding escalation in decommissioning cost, rate of earnings on decommissioning funds, and other factors used in funding projections			
	Annual decommissioning cost escalation	N/A	4%[4]	4%[4]
	Annual after-tax rate of earnings on decommissioning funds	N/A	6%[4]	6%[4]
	Frequency of contribution to the decommissioning trust	N/A		
5	Any contracts upon which LIPA is relying pursuant to 10 CFR 50.75 (e)(1)(ii)(B)	No		
6	Any modifications to LIPA's current method of providing financial assurance since the last submitted report	No		
7	Any material changes to trust agreements	No		

Table 3 Notes – Nine Mile Point Nuclear Station[1] (Portion Owned by LIPA) (18% of Unit 2)

1 Constellation Energy Nuclear Group owns 100% of NMP1 and 82% of NMP2. The amounts for NMP2 provided in Table 2 reflect CENG's 82% share of decommissioning responsibilities. The amounts for NMP2 provided in this Table 3 reflect LIPA's 18% share of decommissioning responsibilities, which amounts have not been independently verified or assessed by CENG.

2 The NRC Minimum amounts in Row 1a are based on the generic NRC Minimum funding calculation specified in 10 CFR 50.75(c)(1), as adjusted in accordance with paragraph 50.75(c)(2) and Revision 15 of NUREG-1307 (January 2013). The BLS indices used regarding energy and labor cost factors were taken from the best source available during the preparation of this submittal, which were the indices published as of December 2013 (preliminary for energy and final for labor). The burial cost escalation factors were taken from the NUREG-1307, Revision 15, Table 2-1, BWR Values for Generic LLW Waste Disposal Site Combination of Compact-Affiliated and Non-Compact Facility for the year 2012.

3 The amounts in Rows 1a, 1b, and 1c represent the decommissioning costs, relative to the LIPA interests, as anticipated to be incurred in removing NMP2 safely from service and reducing residual radioactivity to levels that permit release of the property for unrestricted use and termination of the license. The costs of managing and storing spent fuel on the site until transfer to the DOE, the costs of dismantling nonradioactive systems and structures, and the costs of performing greenfielding activities are not included in this estimate.

4 In Row 4, the long-term target rate of return for the fund is approximately 6%, which is in accordance with the "up to a 2 percent annual real rate of return" limitation set forth in 10 CFR 50.75(e). The weighted average cost escalation value of 4% in Row 4 for all decommissioning costs is based on recent cost escalation analyses performed on a CENG fleet-wide basis.

R.E. Ginna Nuclear Power Plant, LLC
Docket No. 50-244

Table 4 – R.E. Ginna Nuclear Power Plant (Ginna)

	Information Required by 10 CFR 50.75(f)(1)	Total ($000's)
1a	The NRC Minimum amount [1] as of December 31, 2013, pursuant to 10 CFR 50.75 (b) and (c), as calculated in Attachment (2)	$459,870[2]
1b	Decommissioning cost estimate from site-specific study Scenario 1 (prompt DECON without SAFSTOR costs) for Ginna (Reference b) escalated to December 31, 2013 dollars, as described in Attachment (3), which demonstrates that the site-specific decommissioning cost estimate is greater than the NRC Minimum amount on Row 1a	$467,887[2]
1c	Decommissioning cost estimate from site-specific study Scenario 3 (SAFSTOR) for Ginna (Reference b) escalated to December 31, 2013 dollars, as described in Attachment (4)	$691,674[2]
2	The amount accumulated as of December 31, 2013 in the external decommissioning trust pursuant to 10 CFR 50.75 (b) and (c) for the radiological decommissioning of the unit, net of income taxes payable/receivable	$369,672
3	Schedule of the annual amounts remaining to be collected	$0
4	Assumptions used regarding escalation in decommissioning cost, rate of earnings on decommissioning funds, and other factors used in funding projections	
	Annual decommissioning cost escalation	4%[3]
	Annual after-tax rate of earnings on decommissioning funds	6%[3]
	Frequency of contribution to the decommissioning trust	N/A
5	Any contracts upon which CENG is relying pursuant to 10 CFR 50.75 (e)(1)(ii)(B)	No
6	Any modifications to CENG's current method of providing financial assurance since the last submitted report	No
7	Any material changes to trust agreements	No

Table 4 Notes – R.E. Ginna Nuclear Power Plant

1 The NRC Minimum amounts in Row 1a are based on the generic NRC Minimum funding calculation specified in 10 CFR 50.75(c)(1), as adjusted in accordance with paragraph 50.75(c)(2) and Revision 15 of NUREG-1307 (January 2013). The BLS indices used regarding energy and labor cost factors were taken from the best source available during the preparation of this submittal, which were the indices published as of December 2013 (preliminary for energy and final for labor). The burial cost escalation factors were taken from the NUREG-1307, Revision 15, Table 2-1, PWR Values for Generic LLW Waste Disposal Site Combination of Compact-Affiliated and Non-Compact Facility for the year 2012.

2 The amounts in Rows 1a, 1b, and 1c represent decommissioning costs anticipated to be incurred in removing the Ginna unit safely from service and reducing residual radioactivity to levels that permit release of the property for unrestricted use and termination of the license. The costs of managing and storing spent fuel on the site until transfer to the DOE, the costs of dismantling nonradioactive systems and structures, and the costs of performing greenfielding activities are not included in this estimate.

3 The long-term target rate of return for the fund is approximately 6.5%; however, CENG employs only a 6% rate of return in Row 4 in accordance with the "up to a 2 percent annual real rate of return" limitation set forth in 10 CFR 50.75(e). The weighted average cost escalation value of 4% in Row 4 for all decommissioning costs is based on recent cost escalation analyses performed on a CENG fleet-wide basis.

ATTACHMENT (2)

NRC MINIMUM CALCULATIONS AS OF DECEMBER 31, 2013

Constellation Energy Nuclear Group (CENG)
NRC Minimum Calculations as of December 31, 2013
Dollars in Thousands

		Date	Calvert Cliffs Unit 1	Calvert Cliffs Unit 2	Nine Mile Point Unit 1	Nine Mile Point Unit 2	Ginna
	Operating region		South	South	Northeast	Northeast	Northeast
	Type of reactor unit		PWR	PWR	BWR	BWR	PWR
	NRC Minimum (in 1986 $000s):						
A	MWth	12/31/2013	2,737	2,737	1,850	3,988	1,775
B	Variable cost per MWth	*10 CFR 50.75(c)*	$8.800	$8.800	$9.000	$9.000	$8.800
C	Total variable cost [= A x B]		$24,086	$24,086	$16,650	$35,892	$15,620
D	Fixed cost	*10 CFR 50.75(c)*	$75,000	$75,000	$104,000	$104,000	$75,000
E	Total cost ceiling	*10 CFR 50.75(c)*	$105,000	$105,000	$135,000	$135,000	$105,000
F	NRC Minimum (in 1986 $000s) [= MIN (C + D, E) per *10 CFR 50.75(c)*]	Jan-1986	$99,086	$99,086	$120,650	$135,000	$90,620
	NRC Minimum escalation factors:						
G	**Labor weight**		**0.65**	**0.65**	**0.65**	**0.65**	**0.65**
	Employee cost index (ECI)		LINDEX (South) = CIU2010000000220I		LINDEX (Northeast) = CIU2010000000210I		
H	Base factor ($L_{Dec-2005}$)	Dec-2005	1.98	1.98	2.16	2.16	2.16
I	Current ECI (100=1x factor)	Dec-2013	120.1	120.1	120.1	120.1	120.1
J	Labor cost escalation factor ($L_{Qtr4-2013}$) [= H x I / 100]		2.37798	2.37798	2.59416	2.59416	2.59416
K	**Energy weight**		**0.13**	**0.13**	**0.13**	**0.13**	**0.13**
L	Power weight by reactor type (within energy)		0.58	0.58	0.54	0.54	0.58
	Power index (P_x)		PPIndex (Industrial electric power) = wpu0543				
M	Base index ($P_{Jan-1986}$)	Jan-1986	114.2	114.2	114.2	114.2	114.2
N	Current P_x (100=1x factor)	Dec-2013	200.3	200.3	200.3	200.3	200.3
O	Current escalation factor ($P_{Dec-2013(P)}$) [= N / M]		1.753940455	1.753940455	1.753940455	1.753940455	1.753940455
P	Fuel oil weight by reactor type (within energy)		0.42	0.42	0.46	0.46	0.42
	Power index (F_x)		PPIndex (Light fuel oils) = wpu0573				
Q	Base index ($F_{Jan-1986}$)	Jan-1986	82.0	82.0	82.0	82.0	82.0
R	Current F_x (100=1x factor)	Dec-2013	302.7	302.7	302.7	302.7	302.7
S	Current escalation factor ($F_{Dec-2013(P)}$) [= R / Q]		3.691463415	3.691463415	3.691463415	3.691463415	3.691463415
T	Energy weighted average cost escalation factor [= (L x O) + (P x S)]		2.567700098	2.567700098	2.645201017	2.645201017	2.567700098
U	**Burial weight**		**0.22**	**0.22**	**0.22**	**0.22**	**0.22**
	NUREG-1307 Rev. 15 Table 2-1 (by reactor type):		Generic LLW Disposal Site Combination of Compact-Affiliated and Non-Compact Facility				
V	Burial cost escalation factor (B_x)	Year 2013	13.885	13.885	14.160	14.160	13.885
W	Combined weighted average escalation factor [= (G x J) + (K x T) + (U x V)]		4.934188013	4.934188013	5.145280132	5.145280132	5.074705013
X	**NRC Minimum as of December 31, 2013** [= F x W]		**$488,909**	**$488,909**	**$620,778**	**$694,613**	**$459,870**

ATTACHMENT (3)

COMPARISON OF SITE-SPECIFIC DECOMMISSIONING COST ESTIMATES TO NRC MINIMUM AMOUNTS AS OF DECEMBER 31, 2013

Constellation Energy Nuclear Group, LLC
March 26, 2014

Constellation Energy Nuclear Group (CENG)
Comparison of Site-Specific Decommissioning Cost Estimates to NRC Minimum Amounts as of December 31, 2013

10 CFR 50.75(b)(1) requires that the DCEs be greater than the NRC Minimum amounts. The NRC Minimum amounts as of December 31, 2013 are calculated in Attachment (2). Row A in the table below summarizes the DCEs based on the Scenario 1 prompt DECON assumptions in the Cost Studies. These DCEs are escalated to December 31, 2013 dollars in Row C below, which escalated DCEs are greater than the respective NRC Minimum amounts on Row D below by the amounts on Row E below.

		Calvert Cliffs (CCNPP)		Nine Mile Point (NMPNS)		Ginna
		Unit 1	Unit 2	Unit 1	Unit 2	Unit
A	Disbursements of DCEs from Scenario 1 (prompt DECON) of 2009 site-specific study in 2009 dollars [see Reference (a) for CCNPP and Reference (b) for NMPNS and Ginna]	$ 389,136	$ 387,374	$ 552,489	$ 597,780	$ 363,464
B	Compound cost escalation factor from 2009 dollars to December 31, 2013 dollars [from Row CC of Attachment (5)]	*1.2946*	*1.2946*	*1.2148*	*1.2148*	*1.2873*
C	Disbursements of Scenario 1 DCEs in December 31, 2013 dollars [= A x B]	$ 503,775	$ 501,494	$ 671,164	$ 726,183	$ 467,887
D	NRC Minimum amount as of December 31, 2013 [from Row X of Attachment (2)]	$ 488,909	$ 488,909	$ 620,778	$ 694,613	$ 459,870
E	Site-specific study DCEs are greater than NRC Minimum amounts [= D - C > 0]	$ 14,866	$ 12,585	$ 50,386	$ 31,570	$ 8,017

Notes

1 A final determination of the ultimate decommissioning approach for each of the units has not been made. Different decommissioning options, with different costs and schedules, which also meet the requirements under 10 CFR 50.75, may be chosen in the future. Any funds remaining after the completion of radiological decommissioning could be available to pay for spent fuel management and greenfielding decommissioning activities.

2 The December 31, 2013 NRC Minimum amounts are calculated pursuant to NUREG-1307 Revision 15 (January 2013). They reflect the final labor and preliminary energy indices as of December 2013 published by the Bureau of Labor Statistics and the burial cost escalation factors per NUREG-1307 Revision 15 Table 2-1 Values for Generic LLW Waste Disposal Site Combination of Compact-Affiliated and Non-Compact Facility for the year 2012 (applicable for the year 2013 since it is the latest year for which published information is available).

3 Decommissioning disbursements apply to only license termination radiological decommissioning costs and do not include any decommissioning costs for spent fuel management or greenfielding.

ATTACHMENT (4)

FUNDING AND FINANCIAL ASSURANCE ANALYSIS AS OF

DECEMBER 31, 2013

Constellation Energy Nuclear Group, LLC
March 26, 2014

Constellation Energy Nuclear Group (CENG)
Funding and Financial Assurance Analysis as of December 31, 2013

The demonstration of financial assurance for the radiological decommissioning of each unit is based on the Scenario 3 SAFSTOR assumptions in the Cost Studies, with costs escalated to December 31, 2013 dollars. Page 2 of this Attachment (4) presents the sum of the annual escalated DCEs in Row D of the table. Pages 3-10 of this Attachment (4) present the annual escalated DCEs, the annual earnings at an assumed 2% real rate of return on the funds, and the annual fund balances available to provide for the radiological decommissioning of the units following a period of SAFSTOR, pursuant to 10 CFR 50.75(c) and (e). The positive balances of the trust funds throughout the decommissioning periods, as presented on pages 3-11 of this Attachment (4), confirms adequate financial assurance for each of the units because the respective nuclear decommissioning trust funds are sufficient to provide for the radiological decommissioning of the units.

Constellation Energy Nuclear Group (CENG)
Funding and Financial Assurance Analysis as of December 31, 2013

		Calvert Cliffs (CCNPP)			Nine Mile Point (NMPNS)					Ginna	
						Unit 2 (NMP2)		ISFSI			
		Unit 1	Unit 2	ISFSI	Unit 1	CENG 82%	LIPA 18%	CENG 82%	LIPA 18%	Unit	ISFSI
	License Information					*Dollars in Thousands*					
	10 CFR license part	50.75	50.75	72.30	50.75	50.75	50.75	72.30	72.30	50.75	72.30
	Plant license expiration and shutdown date	7/31/2034	8/13/2036		8/22/2029	10/31/2046	10/31/2046			9/18/2029	
	Radiological Decommissioning Trust Fund Activity										
	Balance of trust funds as of December 31, 2013										
A	Trust fund market value balance, net of income taxes payable/ receivable [ISFSI amount allocated to cover future ISFSI decommissioning costs] **[to Attachment (1) Row 2 in Tables]**	$ 292,163	$ 380,772	$ 811	$ 515,461	$ 324,711	$ 83,940	$ 617	$ 135	$ 369,672	$ 1,301
	Disbursements of DCEs through period of decommissioning										
B	Disbursements of DCEs from Scenario 3 (SAFSTOR alternative) of 2009 site-specific study in 2009 dollars [see Reference (a) for the CCNPP units, Reference (b) for the NMPNS and Ginna units, and Reference (c) for the ISFSIs]	518,244	517,507	1,686	700,583	666,345	146,270	1,540	338	537,306	1,830
C	Compound cost escalation factor from 2009 dollars to December 31, 2013 dollars [Unit factors from Row CC of Attachment (5) based on increase in NRC Minimum amounts; ISFSI factors equal to respective Unit factors]	*1.2946*	*1.2946*	*1.2946*	*1.2148*	*1.2148*	*1.2148*	*1.2148*	*1.2148*	*1.2873*	*1.2873*
D	Disbursements of DCEs from Scenario 3 in December 31, 2013 dollars [= B x C; see subsequent pages of this Attachment (4) for annual DCE disbursements] **[to Attachment (1) Row 1c in Tables]**	670,919	669,965	2,183	851,068	809,475	177,690	1,871	411	691,674	2,356
	Earnings through period of decommissioning										
E	Trust fund earnings through decommissioning period based on 2% real rate of return per Attachment (1) [see subsequent pages of this Attachment (4) for annual earnings]	592,009	867,262	1,372	986,884	999,897	271,053	1,254	276	670,598	1,055
	Financial assurance										
F	Balance of trust funds upon completion of decommissioning, net of income taxes payable/receivable [= A - D + E; see subsequent pages of this Attachment (4) for annual balances]	$ 213,253	$ 578,069	$ -	$ 651,277	$ 515,133	$ 177,303	$ -	$ -	$ 348,596	$ -

	Reconciliation of Scenario 1 to Scenario 3 DCEs (in 12/31/2013 dollars)	Calvert Cliffs (CCNPP)		Nine Mile Point (NMPNS)		Ginna
		Unit 1	Unit 2	Unit 1	Unit 2 (100%)	Unit
	Disbursements of DCEs through period of decommissioning					
G	Scenario 1 (prompt DECON) [from Row C of Attachment (3)] **[to Attachment (1) Row 1b in Tables]**	$ 503,775	$ 501,494	$ 671,164	$ 726,183	$ 467,887
H	Net incremental DCEs associated with SAFSTOR Scenario 3 [= I - G]	167,144	168,471	179,904	260,982	223,787
I	Scenario 3 (SAFSTOR) [from Row D above]	$ 670,919	$ 669,965	$ 851,068	$ 987,165	$ 691,674

Notes

1 A final determination of the decommissioning approach for each of the units has not been made. Different decommissioning options that also meet the requirements under 10 C.F.R 50.75 may be chosen in the future. Any funds remaining after the completion of radiological decommissioning could be available to pay for spent fuel management and greenfielding decommissioning activities.

2 For NMP2, the December 31, 2013 trust fund balances reflect the respective CENG and LIPA fund balances, the disbursement and NRC minimum amounts reflect the 82%/18% pro rata CENG/LIPA ownerships, the earnings are calculated on the respective trust fund balances less the pro rata disbursements, and the site-specific study reflects the cost of decommissioning 100% of NMP2.

3 Decommissioning disbursements are assumed to be paid as of January 1 of each year, apply to only license termination radiological decommissioning costs, and do not include any decommissioning costs for spent fuel management or greenfielding.

4 The trust fund balances for CCNPP generally contemplate that common decommissioning costs would be borne primarily by Unit 2, since the common facilities cannot be decommissioned until Unit 2 is decommissioned. However, the site-specific SAFSTOR nuclear decommissioning cost study referenced in Reference (a) allocated the costs of decommissioning the common facilities substantially evenly between Unit 1 and Unit 2. As a result, the amount of financial assurance on Row F above is greater for CCNPP2 than for CCNPP1.

Calvert Cliffs Nuclear Power Plant and ISFSI Detailed Annual Trust Fund Activity and Balances
(Net of Income Taxes Payable/Receivable)
Based on Site-Specific Study Scenario 3 (50-Year SAFSTOR) Cash Flows and 2% Real Rate of Return
In Thousands of Dollars

Completion	Radiological Decommissioning Disbursements with Compound			Radiological Trust Funds					
2084	Escalation Factor of *1.2946*			Unit 1		Unit 2		ISFSI	
	In 12/31/2013 $000s			2.00%		2.00%		2.00%	
Year	Unit 1	Unit 2	ISFSI	Earnings	Balance	Earnings	Balance	Earnings	Balance
2013					$ 292,163		$ 380,772		$ 811
2014	$ -	$ -	$ -	$ 5,843	298,006	$ 7,615	388,388	$ 16	827
2015	-	-	-	5,960	303,966	7,768	396,156	17	844
2016	-	-	-	6,079	310,045	7,923	404,079	17	861
2017	-	-	-	6,201	316,246	8,082	412,160	17	878
2018	-	-	-	6,325	322,571	8,243	420,404	18	895
2019	-	-	-	6,451	329,023	8,408	428,812	18	913
2020	-	-	-	6,580	335,603	8,576	437,388	18	932
2021	-	-	-	6,712	342,315	8,748	446,136	19	950
2022	-	-	-	6,846	349,161	8,923	455,058	19	969
2023	-	-	-	6,983	356,145	9,101	464,159	19	989
2024	-	-	-	7,123	363,268	9,283	473,443	20	1,008
2025	-	-	-	7,265	370,533	9,469	482,911	20	1,028
2026	-	-	-	7,411	377,944	9,658	492,570	21	1,049
2027	-	-	-	7,559	385,502	9,851	502,421	21	1,070
2028	-	-	-	7,710	393,212	10,048	512,470	21	1,091
2029	-	-	-	7,864	401,077	10,249	522,719	22	1,113
2030	-	-	-	8,022	409,098	10,454	533,173	22	1,136
2031	-	-	-	8,182	417,280	10,663	543,837	23	1,158
2032	-	-	-	8,346	425,626	10,877	554,713	23	1,181
2033	-	-	-	8,513	434,138	11,094	565,808	24	1,205
2034	6,030	6,030	-	8,562	436,670	11,196	570,973	24	1,229
2035	8,555	8,555	-	8,562	436,677	11,248	573,666	25	1,254
2036	30,317	25,696	-	8,127	414,488	10,959	558,930	25	1,279
2037	45,598	50,219	-	7,378	376,267	10,174	518,885	26	1,304
2038	4,028	4,028	-	7,445	379,684	10,297	525,154	26	1,330
2039	4,028	4,028	-	7,513	383,169	10,423	531,549	27	1,357
2040	4,028	4,028	-	7,583	386,724	10,550	538,071	27	1,384
2041	10,302	10,302	-	7,528	383,951	10,555	538,325	28	1,412
2042	12,312	12,312	-	7,433	379,072	10,520	536,533	28	1,440
2043	2,863	2,863	-	7,524	383,734	10,673	544,344	29	1,469
2044	2,863	2,863	-	7,617	388,488	10,830	552,311	29	1,498
2045	2,863	2,863	-	7,713	393,338	10,989	560,437	30	1,528
2046	2,863	2,863	-	7,810	398,285	11,151	568,726	31	1,559
2047	2,863	2,863	-	7,908	403,331	11,317	577,181	31	1,590
2048	2,863	2,863	-	8,009	408,478	11,486	585,805	32	1,622
2049	2,863	2,863	-	8,112	413,728	11,659	594,601	32	1,654
2050	2,863	2,863	-	8,217	419,082	11,835	603,573	33	1,687
2051	2,863	2,863	-	8,324	424,544	12,014	612,725	34	1,721
2052	2,863	2,863	-	8,434	430,115	12,197	622,060	34	1,755
2053	2,863	2,863	-	8,545	435,798	12,384	631,581	35	1,791
2054	2,863	2,863	-	8,659	441,594	12,574	641,293	36	1,826

Calvert Cliffs Nuclear Power Plant and ISFSI Detailed Annual Trust Fund Activity and Balances
(Net of Income Taxes Payable/Receivable)
Based on Site-Specific Study Scenario 3 (50-Year SAFSTOR) Cash Flows and 2% Real Rate of Return
In Thousands of Dollars

Completion	Radiological Decommissioning Disbursements with Compound			Radiological Trust Funds					
2084	Escalation Factor of *1.2946*			Unit 1		Unit 2		ISFSI	
	In 12/31/2013 $000s			2.00%		2.00%		2.00%	
Year	Unit 1	Unit 2	ISFSI	Earnings	Balance	Earnings	Balance	Earnings	Balance
2055	2,863	2,863	-	8,775	447,506	12,769	651,199	37	1,863
2056	3,410	3,410	-	8,882	452,978	12,956	660,745	37	1,900
2057	2,863	2,863	-	9,002	459,118	13,158	671,040	38	1,938
2058	2,863	2,863	-	9,125	465,380	13,364	681,541	39	1,977
2059	2,863	2,863	-	9,250	471,768	13,574	692,252	40	2,016
2060	2,863	2,863	-	9,378	478,284	13,788	703,177	40	2,057
2061	2,863	2,863	-	9,508	484,929	14,006	714,321	41	2,098
2062	2,863	2,863	-	9,641	491,708	14,229	725,687	42	2,140
2063	2,863	2,863	-	9,777	498,622	14,456	737,281	43	2,183
2064	2,863	2,863	2,183	9,915	505,675	14,688	749,107	-	-
2065	3,235	3,235	-	10,049	512,489	14,917	760,789	-	-
2066	3,331	3,331	-	10,183	519,341	15,149	772,607	-	-
2067	3,331	3,331	-	10,320	526,330	15,386	784,662	-	-
2068	3,331	3,331	-	10,460	533,459	15,627	796,957	-	-
2069	3,331	3,331	-	10,603	540,730	15,873	809,498	-	-
2070	3,331	3,331	-	10,748	548,147	16,123	822,291	-	-
2071	3,331	3,331	-	10,896	555,712	16,379	835,339	-	-
2072	3,331	3,331	-	11,048	563,428	16,640	848,648	-	-
2073	3,331	3,331	-	11,202	571,299	16,906	862,223	-	-
2074	3,331	3,331	-	11,359	579,328	17,178	876,070	-	-
2075	3,331	3,331	-	11,520	587,516	17,455	890,193	-	-
2076	3,878	3,878	-	11,673	595,311	17,726	904,041	-	-
2077	7,162	7,162	-	11,763	599,912	17,938	914,817	-	-
2078	21,207	21,207	-	11,574	590,279	17,872	911,483	-	-
2079	95,171	66,602	-	9,902	505,011	16,898	861,779	-	-
2080	133,929	118,428	-	7,422	378,504	14,867	758,217	-	-
2081	83,447	104,319	-	5,901	300,957	13,078	666,976	-	-
2082	57,500	79,744	-	4,869	248,326	11,745	598,977	-	-
2083	43,260	43,260	-	4,101	209,168	11,114	566,831	-	-
2084	96	96	-	4,181	213,253	11,335	578,069	-	-
Totals	$ 670,919	$ 669,965	$ 2,183	$ 592,009	$ 213,253	$ 867,262	$ 578,069	$ 1,372	$ -

Nine Mile Point Nuclear Station and ISFSI Detailed Annual Trust Fund Activity and Balances
(Net of Income Taxes Payable/Receivable) - CENG's Portion (100% of Unit 1 and 82% of Unit 2)
Based on Site-Specific Study Scenario 3 (50-Year SAFSTOR) Cash Flows and 2% Real Rate of Return
In Thousands of Dollars

Completion	Radiological Decommissioning Disbursements with Compound Escalation Factor of *1.2148*			Radiological Trust Funds					
2095	In 12/31/2013 $000s			Unit 1		Unit 2		ISFSI	
	100%	CENG's Portion		2.00%		2.00%		2.00%	
Year	Unit 1	Unit 2	ISFSI	Earnings	Balance	Earnings	Balance	Earnings	Balance
2013					$ 515,461		$ 324,711		$ 617
2014	$ -	$ -	$ -	$ 10,309	525,770	$ 6,494	331,205	$ 12	630
2015	-	-	-	10,515	536,285	6,624	337,829	13	642
2016	-	-	-	10,726	547,011	6,757	344,586	13	655
2017	-	-	-	10,940	557,951	6,892	351,477	13	668
2018	-	-	-	11,159	569,110	7,030	358,507	13	681
2019	-	-	-	11,382	580,493	7,170	365,677	14	695
2020	-	-	-	11,610	592,102	7,314	372,991	14	709
2021	-	-	-	11,842	603,945	7,460	380,450	14	723
2022	-	-	-	12,079	616,023	7,609	388,059	14	738
2023	-	-	-	12,320	628,344	7,761	395,821	15	752
2024	-	-	-	12,567	640,911	7,916	403,737	15	767
2025	-	-	-	12,818	653,729	8,075	411,812	15	783
2026	-	-	-	13,075	666,804	8,236	420,048	16	798
2027	-	-	-	13,336	680,140	8,401	428,449	16	814
2028	7,078	-	-	13,461	686,522	8,569	437,018	16	831
2029	60,022	-	-	12,530	639,030	8,740	445,758	17	847
2030	37,871	-	-	12,023	613,182	8,915	454,673	17	864
2031	4,288	-	-	12,178	621,071	9,093	463,767	17	881
2032	4,288	-	-	12,336	629,118	9,275	473,042	18	899
2033	4,288	-	-	12,497	637,327	9,461	482,503	18	917
2034	20,982	-	-	12,327	628,671	9,650	492,153	18	935
2035	16,632	-	-	12,241	624,280	9,843	501,996	19	954
2036	2,152	-	-	12,443	634,570	10,040	512,036	19	973
2037	2,152	-	-	12,648	645,066	10,241	522,277	19	993
2038	2,152	-	-	12,858	655,772	10,446	532,722	20	1,013
2039	2,152	-	-	13,072	666,693	10,654	543,377	20	1,033
2040	2,152	-	-	13,291	677,831	10,868	554,244	21	1,053
2041	2,152	-	-	13,514	689,193	11,085	565,329	21	1,075
2042	2,152	-	-	13,741	700,781	11,307	576,636	21	1,096
2043	2,152	-	-	13,973	712,602	11,533	588,169	22	1,118
2044	2,152	-	-	14,209	724,658	11,763	599,932	22	1,140
2045	2,156	2,810	-	14,450	736,953	11,942	609,065	23	1,163
2046	2,163	26,849	-	14,696	749,485	11,644	593,860	23	1,186
2047	2,201	54,498	-	14,946	762,230	10,787	550,149	24	1,210
2048	2,151	5,262	-	15,202	775,281	10,898	555,784	24	1,234
2049	3,100	5,262	-	15,444	787,624	11,010	561,533	25	1,259
2050	2,151	5,262	-	15,709	801,183	11,125	567,396	25	1,284
2051	2,151	19,520	-	15,981	815,013	10,958	558,833	26	1,310
2052	2,198	20,452	-	16,256	829,072	10,768	549,149	26	1,336
2053	2,163	2,238	-	16,538	843,446	10,938	557,849	27	1,363
2054	2,163	2,238	-	16,826	858,109	11,112	566,724	27	1,390

Nine Mile Point Nuclear Station and ISFSI Detailed Annual Trust Fund Activity and Balances
(Net of Income Taxes Payable/Receivable) - CENG's Portion (100% of Unit 1 and 82% of Unit 2)
Based on Site-Specific Study Scenario 3 (50-Year SAFSTOR) Cash Flows and 2% Real Rate of Return
In Thousands of Dollars

Completion 2095	Radiological Decommissioning Disbursements with Compound Escalation Factor of *1.2148* In 12/31/2013 $000s			Radiological Trust Funds					
				Unit 1		Unit 2		ISFSI	
	100%	CENG's Portion		2.00%		2.00%		2.00%	
Year	Unit 1	Unit 2	ISFSI	Earnings	Balance	Earnings	Balance	Earnings	Balance
2055	2,163	2,238	-	17,119	873,064	11,290	575,776	28	1,418
2056	2,163	2,238	-	17,418	888,319	11,471	585,008	28	1,446
2057	2,163	2,238	-	17,723	903,878	11,655	594,426	29	1,475
2058	2,163	2,238	-	18,034	919,749	11,844	604,032	30	1,505
2059	2,163	2,238	-	18,352	935,937	12,036	613,830	30	1,535
2060	2,163	2,238	-	18,675	952,449	12,232	623,824	31	1,565
2061	2,163	2,238	-	19,006	969,292	12,432	634,018	31	1,597
2062	2,163	2,238	-	19,343	986,471	12,636	644,415	32	1,629
2063	2,163	2,238	-	19,686	1,003,993	12,844	655,021	33	1,661
2064	2,163	2,238	-	20,037	1,021,867	13,056	665,839	33	1,694
2065	2,163	2,238	-	20,394	1,040,097	13,272	676,873	34	1,728
2066	2,163	2,238	-	20,759	1,058,692	13,493	688,128	35	1,763
2067	2,168	2,242	-	21,130	1,077,655	13,718	699,603	35	1,798
2068	2,163	2,238	-	21,510	1,097,002	13,947	711,313	36	1,834
2069	3,113	3,300	-	21,878	1,115,766	14,160	722,173	37	1,871
2070	2,163	2,238	1,871	22,272	1,135,875	14,399	734,334	-	-
2071	2,241	2,302	-	22,673	1,156,308	14,641	746,673	-	-
2072	2,601	2,596	-	23,074	1,176,781	14,882	758,959	-	-
2073	23,421	2,460	-	23,067	1,176,427	15,130	771,628	-	-
2074	87,046	2,407	-	21,788	1,111,168	15,384	784,606	-	-
2075	283,236	2,440	-	16,559	844,491	15,643	797,809	-	-
2076	166,882	2,453	-	13,552	691,161	15,907	811,263	-	-
2077	52,654	2,886	-	12,770	651,277	16,168	824,545	-	-
2078	-	3,307	-	-	651,277	16,425	837,663	-	-
2079	-	3,307	-	-	651,277	16,687	851,044	-	-
2080	-	3,307	-	-	651,277	16,955	864,692	-	-
2081	-	3,307	-	-	651,277	17,228	878,613	-	-
2082	-	3,307	-	-	651,277	17,506	892,813	-	-
2083	-	3,307	-	-	651,277	17,790	907,296	-	-
2084	-	3,307	-	-	651,277	18,080	922,070	-	-
2085	-	3,307	-	-	651,277	18,375	937,138	-	-
2086	-	3,307	-	-	651,277	18,677	952,508	-	-
2087	-	3,307	-	-	651,277	18,984	968,186	-	-
2088	-	3,307	-	-	651,277	19,298	984,177	-	-
2089	-	4,368	-	-	651,277	19,596	999,405	-	-
2090	-	17,060	-	-	651,277	19,647	1,001,992	-	-
2091	-	68,761	-	-	651,277	18,665	951,895	-	-
2092	-	186,777	-	-	651,277	15,302	780,421	-	-
2093	-	178,857	-	-	651,277	12,031	613,596	-	-
2094	-	118,094	-	-	651,277	9,910	505,411	-	-
2095	-	379	-	-	651,277	10,101	515,133	-	-
Totals	$ 851,068	$ 809,475	$ 1,871	$ 986,884	$ 651,277	$ 999,897	$ 515,133	$ 1,254	$ -

Nine Mile Point Nuclear Station and ISFSI Detailed Annual Trust Fund Activity and Balances
(Net of Income Taxes Payable/Receivable) - LIPA's Portion (18% of Unit 2)
Based on Site-Specific Study Scenario 3 (50-Year SAFSTOR) Cash Flows and 2% Real Rate of Return
In Thousands of Dollars

Completion	Radiological Decommissioning Disbursements with Compound Escalation Factor of *1.2148*		Radiological Trust Funds			
2095	In 12/31/2013 $000s		Unit 2		ISFSI	
	LIPA's Portion		2.00%		2.00%	
Year	Unit 2	ISFSI	Earnings	Balance	Earnings	Balance
2013				$ 83,940		$ 135
2014	$ -	$ -	$ 1,679	85,618	$ 3	138
2015	-	-	1,712	87,331	3	141
2016	-	-	1,747	89,077	3	144
2017	-	-	1,782	90,859	3	147
2018	-	-	1,817	92,676	3	150
2019	-	-	1,854	94,530	3	153
2020	-	-	1,891	96,420	3	156
2021	-	-	1,928	98,349	3	159
2022	-	-	1,967	100,316	3	162
2023	-	-	2,006	102,322	3	165
2024	-	-	2,046	104,368	3	168
2025	-	-	2,087	106,456	3	172
2026	-	-	2,129	108,585	3	175
2027	-	-	2,172	110,756	4	179
2028	-	-	2,215	112,972	4	182
2029	-	-	2,259	115,231	4	186
2030	-	-	2,305	117,536	4	190
2031	-	-	2,351	119,886	4	193
2032	-	-	2,398	122,284	4	197
2033	-	-	2,446	124,730	4	201
2034	-	-	2,495	127,224	4	205
2035	-	-	2,544	129,769	4	209
2036	-	-	2,595	132,364	4	214
2037	-	-	2,647	135,012	4	218
2038	-	-	2,700	137,712	4	222
2039	-	-	2,754	140,466	4	227
2040	-	-	2,809	143,275	5	231
2041	-	-	2,866	146,141	5	236
2042	-	-	2,923	149,064	5	241
2043	-	-	2,981	152,045	5	245
2044	-	-	3,041	155,086	5	250
2045	617	-	3,089	157,558	5	255
2046	5,894	-	3,033	154,698	5	260
2047	11,963	-	2,855	145,590	5	266
2048	1,155	-	2,889	147,323	5	271
2049	1,155	-	2,923	149,092	5	276
2050	1,155	-	2,959	150,895	6	282
2051	4,285	-	2,932	149,542	6	288
2052	4,489	-	2,901	147,954	6	293
2053	491	-	2,949	150,412	6	299
2054	491	-	2,998	152,919	6	305
2055	491	-	3,049	155,477	6	311

Nine Mile Point Nuclear Station and ISFSI Detailed Annual Trust Fund Activity and Balances
(Net of Income Taxes Payable/Receivable) - LIPA's Portion (18% of Unit 2)
Based on Site-Specific Study Scenario 3 (50-Year SAFSTOR) Cash Flows and 2% Real Rate of Return
In Thousands of Dollars

Completion	Radiological Decommissioning Disbursements with Compound Escalation Factor of *1.2148*		Radiological Trust Funds			
2095	In 12/31/2013 $000s		Unit 2		ISFSI	
	LIPA's Portion		2.00%		2.00%	
Year	Unit 2	ISFSI	Earnings	Balance	Earnings	Balance
2056	491	-	3,100	158,085	6	317
2057	491	-	3,152	160,746	6	324
2058	491	-	3,205	163,459	6	330
2059	491	-	3,259	166,228	7	337
2060	491	-	3,315	169,051	7	344
2061	491	-	3,371	171,931	7	350
2062	491	-	3,429	174,869	7	357
2063	491	-	3,488	177,865	7	365
2064	491	-	3,547	180,921	7	372
2065	491	-	3,609	184,038	7	379
2066	491	-	3,671	187,218	8	387
2067	492	-	3,735	190,460	8	395
2068	491	-	3,799	193,769	8	403
2069	724	-	3,861	196,905	8	411
2070	491	411	3,928	200,342	-	-
2071	505	-	3,997	203,834	-	-
2072	570	-	4,065	207,329	-	-
2073	540	-	4,136	210,925	-	-
2074	528	-	4,208	214,604	-	-
2075	536	-	4,281	218,350	-	-
2076	538	-	4,356	222,168	-	-
2077	633	-	4,431	225,965	-	-
2078	726	-	4,505	229,744	-	-
2079	726	-	4,580	233,599	-	-
2080	726	-	4,657	237,530	-	-
2081	726	-	4,736	241,541	-	-
2082	726	-	4,816	245,631	-	-
2083	726	-	4,898	249,803	-	-
2084	726	-	4,982	254,059	-	-
2085	726	-	5,067	258,400	-	-
2086	726	-	5,153	262,828	-	-
2087	726	-	5,242	267,344	-	-
2088	726	-	5,332	271,950	-	-
2089	959	-	5,420	276,411	-	-
2090	3,745	-	5,453	278,120	-	-
2091	15,094	-	5,261	268,286	-	-
2092	41,000	-	4,546	231,832	-	-
2093	39,261	-	3,851	196,423	-	-
2094	25,923	-	3,410	173,909	-	-
2095	83	-	3,477	177,303	-	-
Totals	$ 177,690	$ 411	$ 271,053	$ 177,303	$ 276	$ -

R.E. Ginna Nuclear Power Plant and ISFSI Detailed Annual Trust Fund Activity and Balances
(Net of Income Taxes Payable/Receivable)
Based on Site-Specific Study Scenario 3 (50-Year SAFSTOR) Cash Flows and 2% Real Rate of Return
In Thousands of Dollars

Completion 2078	Radiological Decommissioning Disbursements with Compound Escalation Factor of *1.2873* In 12/31/2013 $000s		Radiological Trust Funds			
			Unit		ISFSI	
Year	Unit	ISFSI	2.00% Earnings	Balance	2.00% Earnings	Balance
2013				$ 369,672		$ 1,301
2014	$ -	$ -	$ 7,393	377,065	$ 26	1,327
2015	-	-	7,541	384,606	27	1,353
2016	-	-	7,692	392,299	27	1,380
2017	-	-	7,846	400,145	28	1,408
2018	-	-	8,003	408,147	28	1,436
2019	-	-	8,163	416,310	29	1,465
2020	-	-	8,326	424,637	29	1,494
2021	-	-	8,493	433,129	30	1,524
2022	-	-	8,663	441,792	30	1,554
2023	-	-	8,836	450,628	31	1,585
2024	-	-	9,013	459,640	32	1,617
2025	-	-	9,193	468,833	32	1,649
2026	-	-	9,377	478,210	33	1,682
2027	-	-	9,564	487,774	34	1,716
2028	8,387	-	9,588	488,974	34	1,750
2029	40,074	-	8,978	457,879	35	1,785
2030	26,551	-	8,627	439,954	36	1,821
2031	5,037	-	8,698	443,615	36	1,857
2032	5,037	-	8,772	447,350	37	1,895
2033	5,037	-	8,846	451,160	38	1,933
2034	6,260	-	8,898	453,797	39	1,971
2035	23,039	-	8,615	439,373	39	2,011
2036	2,939	-	8,729	445,163	40	2,051
2037	2,939	-	8,844	451,068	41	2,092
2038	2,939	-	8,963	457,091	42	2,134
2039	2,939	-	9,083	463,235	43	2,176
2040	2,939	-	9,206	469,501	44	2,220
2041	2,939	-	9,331	475,893	44	2,264
2042	2,939	-	9,459	482,413	45	2,310
2043	2,939	-	9,589	489,063	46	2,356
2044	2,939	2,356	9,722	495,846	-	-
2045	2,939	-	9,858	502,765	-	-
2046	3,793	-	9,979	508,952	-	-
2047	3,916	-	10,101	515,137	-	-
2048	3,916	-	10,224	521,445	-	-
2049	4,370	-	10,341	527,416	-	-
2050	3,916	-	10,470	533,970	-	-
2051	3,916	-	10,601	540,656	-	-
2052	3,916	-	10,735	547,475	-	-
2053	3,916	-	10,871	554,430	-	-
2054	3,916	-	11,010	561,524	-	-
2055	3,916	-	11,152	568,760	-	-

R.E. Ginna Nuclear Power Plant and ISFSI Detailed Annual Trust Fund Activity and Balances
(Net of Income Taxes Payable/Receivable)
Based on Site-Specific Study Scenario 3 (50-Year SAFSTOR) Cash Flows and 2% Real Rate of Return
In Thousands of Dollars

Completion 2078	Radiological Decommissioning Disbursements with Compound Escalation Factor of *1.2873* In 12/31/2013 $000s		Radiological Trust Funds			
			Unit		ISFSI	
Year	Unit	ISFSI	2.00% Earnings	Balance	2.00% Earnings	Balance
2056	3,916	-	11,297	576,141	-	-
2057	3,916	-	11,445	583,670	-	-
2058	3,916	-	11,595	591,349	-	-
2059	3,916	-	11,749	599,182	-	-
2060	3,916	-	11,905	607,171	-	-
2061	3,916	-	12,065	615,320	-	-
2062	3,916	-	12,228	623,633	-	-
2063	3,916	-	12,394	632,111	-	-
2064	3,916	-	12,564	640,759	-	-
2065	3,916	-	12,737	649,580	-	-
2066	3,916	-	12,913	658,577	-	-
2067	3,916	-	13,093	667,755	-	-
2068	3,916	-	13,277	677,115	-	-
2069	4,370	-	13,455	686,200	-	-
2070	3,916	-	13,646	695,930	-	-
2071	3,916	-	13,840	705,854	-	-
2072	3,916	-	14,039	715,977	-	-
2073	3,916	-	14,241	726,302	-	-
2074	9,592	-	14,334	731,044	-	-
2075	30,172	-	14,017	714,889	-	-
2076	147,369	-	11,350	578,871	-	-
2077	169,709	-	8,183	417,345	-	-
2078	75,584	-	6,835	348,596	-	-
	$ 691,674	$ 2,356	$ 670,598	$ 348,596	$ 1,055	$ -

ATTACHMENT (5)

COST ESCALATIONS FROM SITE-SPECIFIC DECOMMISSIONING COST ESTIMATES TO DECEMBER 31, 2013 DOLLARS

Constellation Energy Nuclear Group (CENG)
Cost Escalations from Site-Specific Decommissioning Cost Estimates to December 31, 2013 Dollars
Dollars in Thousands

The purpose of this Attachment (5) is to calculate the increases in the NRC Minimum for each site from December 31, 2008 to December 31, 2013, as presented in the table below. These increases are applied as the compound cost escalation factors to the estimated costs in Scenario 1 and Scenario 3 of the respective Cost Studies (in 2009 dollars) to escalate them to December 31, 2013 dollars. For consistency, since there have been uprates in the MWth of certain units, the 1986 baseline MWth have been adjusted to the MWth as of December 31, 2013 to calculate the NRC Minimum increases absent the effect of the uprates.

			Calvert Cliffs		Nine Mile Point		
		Date	Unit 1	Unit 2	Unit 1	Unit 2	Ginna
	Increase in NRC Minimum from December 31, 2008 to December 31, 2013						
	NRC Minimum based on MWths as of December 31, 2013 and indices and cost factors as of:						
AA	From Row X of Attachment (2)	12/31/2013	$488,909	$488,909	$620,778	$694,613	$459,870
BB	From Row X on page 2 of Attachment (5)	12/31/2008	$377,655	$377,655	$511,020	$571,801	$357,231
CC	Compound cost escalation factor [= AA / BB]		*1.2946*	*1.2946*	*1.2148*	*1.2148*	*1.2873*

Constellation Energy Nuclear Group (CENG)
NRC Minimum Calculations as of December 31, 2008 (Except Using MWth as of December 31, 2013)
Dollars in Thousands

		Date	Calvert Cliffs Unit 1	Calvert Cliffs Unit 2	Nine Mile Point Unit 1	Nine Mile Point Unit 2	Ginna
	Operating region		South	South	Northeast	Northeast	Northeast
	Type of reactor unit		PWR	PWR	BWR	BWR	PWR
	NRC Minimum (in 1986 $000s):						
A	MWth	12/31/2013	2,737	2,737	1,850	3,988	1,775
B	Variable cost per MWth	*10 CFR 50.75(c)*	$8.800	$8.800	$9.000	$9.000	$8.800
C	Total variable cost [= A x B]		$24,086	$24,086	$16,650	$35,892	$15,620
D	Fixed cost	*10 CFR 50.75(c)*	$75,000	$75,000	$104,000	$104,000	$75,000
E	Total cost ceiling	*10 CFR 50.75(c)*	$105,000	$105,000	$135,000	$135,000	$105,000
F	NRC Minimum (in 1986 $000s) [= MIN (C + D, E) per *10 CFR 50.75(c)*]	Jan-1986	$99,086	$99,086	$120,650	$135,000	$90,620
	NRC Minimum escalation factors:						
G	**Labor weight**		**0.65**	**0.65**	**0.65**	**0.65**	**0.65**
	Employee cost index (ECI)		LINDEX (South) = CIU2010000000220I		LINDEX (Northeast) = CIU2010000000210I		
H	Base factor ($L_{Dec-2005}$)	Dec-2005	1.98	1.98	2.16	2.16	2.16
I	Current ECI (100=1x factor)	Dec-2008*	109.3	109.3	109.5	109.5	109.5
J	Labor cost escalation factor ($L_{Qtr4-2008}$) [= H x I / 100]		2.16414	2.16414	2.36520	2.36520	2.36520
K	**Energy weight**		**0.13**	**0.13**	**0.13**	**0.13**	**0.13**
L	Power weight by reactor type (within energy)		0.58	0.58	0.54	0.54	0.58
	Power index (P_x)		PPIndex (Industrial electric power) = wpu0543				
M	Base index ($P_{Jan-1986}$)	Jan-1986	114.2	114.2	114.2	114.2	114.2
N	Current P_x (100=1x factor)	Dec-2008*	188.3	188.3	188.3	188.3	188.3
O	Current escalation factor ($P_{Dec-2008(P)}$) [= N / M]		1.648861646	1.648861646	1.648861646	1.648861646	1.648861646
P	Fuel oil weight by reactor type (within energy)		0.42	0.42	0.46	0.46	0.42
	Power index (F_x)		PPIndex (Light fuel oils) = wpu0573				
Q	Base index ($F_{Jan-1986}$)	Jan-1986	82.0	82.0	82.0	82.0	82.0
R	Current F_x (100=1x factor)	Dec-2008*	163.0	163.0	163.0	163.0	163.0
S	Current escalation factor ($F_{Dec-2008(P)}$) [= R / Q]		1.987804878	1.987804878	1.987804878	1.987804878	1.987804878
T	Energy weighted average cost escalation factor [= (L x O) + (P x S)]		1.791217803	1.791217803	1.804775533	1.804775533	1.791217803
U	**Burial weight**		**0.22**	**0.22**	**0.22**	**0.22**	**0.22**
	NUREG-1307 Rev. 15 Table 2-1 (by reactor type):		Generic LLW Disposal Site Combination of Compact-Affiliated and Non-Compact Facility				
V	Burial cost escalation factor (B_x)	Year 2008*	9.872	9.872	11.198	11.198	9.872
W	Combined weighted average escalation factor [= (G x J) + (K x T) + (U x V)]		3.811389314	3.811389314	4.235560819	4.235560819	3.942078314
X	**NRC Minimum (as of December 31, 2008, except MWth as of December 31, 2013)** [= F x W]		**$377,655**	**$377,655**	**$511,020**	**$571,801**	**$357,231**

* The indices and cost escalation factors in this Attachment (5) are as of December 2008 (as noted on the rows above with the asterisks), but the MWth used in calculating the NRC Minimum in 1986 dollars are as of December 31, 2013. Except for the December 2008 inputs and their resulting calculated amounts, all other inputs above are the same as the respective inputs in Attachment (3).