



Crystal River Nuclear Plant
15760 W. Power Line Street
Crystal River, FL 34428

Docket 50-302
Operating License No. DPR-72

10 CFR 50.82
10 CFR 50.75

March 31, 2015
3F0315-04

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

Subject: Crystal River Unit 3 – Annual Decommissioning and Irradiated Fuel Management
Financial Status Report for 2014

- References:
1. NRC to CR-3 letter dated March 13, 2013, "Crystal River Unit 3 Nuclear Generating Plant Certification of Permanent Cessation of Operation and Permanent Removal of Fuel From the Reactor" (ADAMS Accession No. ML13058A380)
 2. CR-3 to NRC letter dated December 2, 2013, "Crystal River Unit 3 – Post-Shutdown Decommissioning Activities Report" (ADAMS Accession No. ML13340A009)
 3. NRC to CR-3 letter dated January 26, 2015, "Crystal River Unit 3 Nuclear Generating Plant – Exemptions from the Requirements of 10 CFR Part 50, Sections 50.82(a)(8)(i)(A) and 50.75(h)(2)" (ADAMS Accession No. ML14247A545)
 4. NRC to CR-3 letter dated March 11, 2015, "Crystal River Unit 3 Nuclear Generating Plant Post-Shutdown Decommissioning Activities Report" (ADAMS Accession No. ML14321A751)

Dear Sir:

In accordance with 10 CFR 50.75(f)(1), 10 CFR 50.82(a)(8)(v), 10 CFR 50.82(a)(8)(vi), and 10 CFR 50.82(a)(8)(vii), Duke Energy Florida, Inc. (DEF) is submitting the annual status of decommissioning funding, status of funding for managing irradiated fuel, and the financial assurance status report for 2014. In Reference 1, the NRC acknowledged CR-3's certification of permanent cessation of power operation and permanent removal of fuel from the reactor vessel. In Reference 2, DEF submitted its Post-Shutdown Decommissioning Activities Report (PSDAR) containing a site-specific Decommissioning Cost Estimate (DCE) pursuant to 10 CFR 50.82(a)(4)(i) and 10 CFR 50.82(a)(8)(iii). Accordingly, a status of decommissioning funding pursuant to 10 CFR 50.75(f)(1), a financial assurance status report pursuant to 10 CFR 50.82(a)(8)(v) and 10 CFR 50.82(a)(8)(vi), and a report on the status of the funding for managing irradiated fuel pursuant to 10 CFR 50.82(a)(8)(vii) are required to be submitted by March 31 of each year.

ADD
NRR

In Reference 3, the NRC provided its approval of the CR-3 exemption request to use the funds from the CR-3 Decommissioning Trust Funds for Irradiated Fuel Management and Site Restoration Costs. The financial assurance demonstration performed in this submittal has been prepared consistent with that exemption request. In Reference 4, the NRC found that the PSDAR contained the necessary information required by 10 CFR 50.82(a)(4)(i) and was consistent with the guidance of Regulatory Guide 1.185.

The attachments to this letter contain the information required by the above regulations for DEF and the co-owners of the CR-3 nuclear plant. None of the co-owners assumes any responsibility for the information contained in any other co-owner's report. The report contains the following required information:

- (1) The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c), (While DEF is identifying this amount because it is specified in 10 CFR 50.75(f)(1), it does not appear applicable to a plant that has permanently ceased operation, has submitted a site specific cost estimate, and is engaged in decommissioning).
- (2) The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of this report,
- (3) A schedule of annual amounts remaining to be collected,
- (4) The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections,
- (5) Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v),
- (6) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report,
- (7) Any material changes to trust agreements or financial assurance contracts,
- (8) The amount spent on decommissioning, both cumulative and over the previous calendar year,
- (9) The remaining balance of any decommissioning funds,
- (10) The amount provided by other financial assurance methods being relied upon,
- (11) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year,
- (12) The decommissioning criteria upon which the estimate is based,
- (13) If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated are not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated costs to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion,
- (14) The amount of funds accumulated to cover the cost of managing the irradiated fuel,
- (15) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy,
- (16) If the funds accumulated do not cover the projected cost (of irradiated fuel), a plan to obtain additional funds to cover the cost.

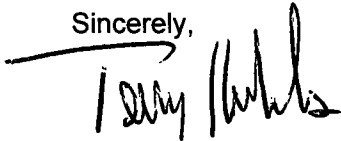
The adjustment factors for labor rates and energy costs used in Item (1) for the calculation in 10 CFR 50.75(c)(2) are determined using the December 2014 indices from the U.S. Department of Labor, Bureau of Labor Statistics. The adjustment factor for the cost of low-level waste burial

charges used in Item (1) for the calculation in 10 CFR 50.75(c)(2) is determined using NUREG-1307, Revision 15, which is consistent with the intent of Regulatory Issue Summary 2014-12, "Decommissioning Fund Status Report Calculations - Update to Low-Level Waste Burial Charge Information."

There are no new regulatory commitments associated with this letter.

If you have any questions regarding this submittal, please contact Mr. Phil Rose, Lead Engineer, Nuclear Regulatory Affairs, at (352) 563-4883.

Sincerely,



Terry Hobbs
General Manager, Decommissioning

TDH/par

Attachments:

- Attachment 1 – Duke Energy Florida, Crystal River Unit 3 Funding Status Report
- Attachment 2 – City of Alachua, Crystal River Unit 3 Funding Status Report
- Attachment 3 – City of Bushnell, Crystal River Unit 3 Funding Status Report
- Attachment 4 – City of Gainesville, Crystal River Unit 3 Funding Status Report
- Attachment 5 – City of Kissimmee, Crystal River Unit 3 Funding Status Report
- Attachment 6 – City of Leesburg, Crystal River Unit 3 Funding Status Report
- Attachment 7 – City of New Smyrna Beach, Crystal River Unit 3 Funding Status Report
- Attachment 8 – City of Ocala, Crystal River Unit 3 Funding Status Report
- Attachment 9 – Orlando Utilities Commission, Crystal River Unit 3 Funding Status Report
- Attachment 10 – Seminole Electric Cooperative, Crystal River Unit 3 Funding Status Report
- Attachment 11 – Crystal River Unit 3, Estimate of Costs to Complete Decommissioning and Financial Assurance Demonstration

xc: NRR Project Manager
Regional Administrator, Region I

DUKE ENERGY FLORIDA, INC.

DOCKET NUMBER 50 - 302 / LICENSE NUMBER DPR - 72

ATTACHMENT 1

**DUKE ENERGY FLORIDA,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
Report Dated as of December 31, 2014
Duke Energy Florida
Crystal River Unit 3
91.7806% Ownership

<u>Item #</u>	<u>Crystal River Unit 3</u>	
10 CFR 50.75(f)(1) - Status of decommissioning funding		
1	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 442,593,006
	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.	\$ 801,610,167 ¹
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 809,681,234 ^{2,3}
3	A schedule of the annual amounts remaining to be collected;	None
4	The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	inflation 2.8% ⁴ qualified rate of return 5.10% ⁴
5	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);	None
6	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None
7	Any material changes to trust agreements.	None
10 CFR 50.82(a)(8)(v) - Financial assurance status report		
8	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year,	\$ 3,159,121 ⁵ - Previous calendar year \$ 3,159,121 ⁶ - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 809,681,234 ^{2,3}
10	The amount provided by other financial assurance methods being relied upon;	None
11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and	See Attachment 11
12	The decommissioning criteria upon which the estimate is based;	Unrestricted Release
13	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None
14	(D) Any material changes to trust agreements or financial assurance contracts.	None
10 CFR 50.82(a)(8)(vi)		
15	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.
10 CFR 50.82(a)(8)(vii) - Report on the status of funding for managing irradiated fuel		
16	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.
17	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and	See Attachment 11
18	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)

Attachment 1 Footnotes:

¹ DEF's ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents (a) the full fund balance of DEF's qualified and non-qualified decommissioning funds, which, in accordance with the NRC exemption request approval (ADAMS Accession No. 14247A545), can also be used for Spent Fuel Management and Site Restoration costs, and (b) 100% of the funds held by the City of Tallahassee on behalf of DEF, which pursuant to NRC order (ADAMS Accession No. ML020670117) will only be used for NRC radiological decommissioning.

⁴ Represents values approved by the Florida Public Service Commission in Order No. PSC-14-0702-PAA-EI, issued December 22, 2014, which became effective and final pursuant to Order No. PSC-15-0067-CO-EI, issued on January 23, 2015.

⁵ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁶ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 2

**CITY OF ALACHUA,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 City of Alachua
 Crystal River Unit 3
 0.0779% Ownership

<u>Item #</u>		<u>Crystal River Unit 3</u>	
10 CFR 50.75(f)(1)			
1	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 375,657	
	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.	\$ 680,377 ¹	
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 638,547 ^{2,3}	
3	A schedule of the annual amounts remaining to be collected;	None	
4	The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	inflation rate of return	2.80% 3% on non forward delivery agreement funds 7.422% on forward delivery agreement funds
5	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);	None	
6	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None	
7	Any material changes to trust agreements.	None	
10 CFR 50.82(a)(8)(v)			
8	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year.	\$ - ⁴	- Previous calendar year
		\$ - ⁵	- Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 638,547 ^{2,3}	
10	The amount provided by other financial assurance methods being relied upon;	\$ -	
11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and	See Attachment 11	
12	The decommissioning criteria upon which the estimate is based;	Unrestricted Release	
13	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None	
14	(D) Any material changes to trust agreements or financial assurance contracts.	None	
10 CFR 50.82(a)(8)(vi)			
15	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	
10 CFR 50.82(a)(8)(vii)			
16	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	
17	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and	See Attachment 11	
18	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of [SFS] capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)	

Attachment 2 Footnotes:

¹ City of Alachua's ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the City of Alachua's trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 3

**CITY OF BUSHNELL,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 City of Bushnell
 Crystal River Unit 3
 0.0388% Ownership

<u>Item #</u>		<u>Crystal River Unit 3</u>	
10 CFR 50.75(f)(1)			
1	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 187,105	
	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.	\$ 338,879 ¹	
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 316,559 ^{2,3}	
3	A schedule of the annual amounts remaining to be collected;	None	
4	The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	inflation rate of return	2.80% 3% on non forward delivery agreement funds 7.422% on forward delivery agreement funds
5	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);	None	
6	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None	
7	Any material changes to trust agreements.	None	
10 CFR 50.82(a)(8)(v)			
8	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year.	None	⁴ - Previous calendar year
		None	⁵ - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 316,559 ^{2,3}	
10	The amount provided by other financial assurance methods being relied upon;	None	
11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and	See Attachment 11	
12	The decommissioning criteria upon which the estimate is based;	Unrestricted Release	
13	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None	
14	(D) Any material changes to trust agreements or financial assurance contracts.	None	
10 CFR 50.82(a)(8)(vi)			
15	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	
10 CFR 50.82(a)(8)(vii)			
16	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	
17	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and	See Attachment 11	
18	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)	

Attachment 3 Footnotes:

¹ City of Bushnell's ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the City of Bushnell's trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 4

**CITY OF GAINESVILLE,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 City of Gainesville
 Crystal River Unit 3
 1.4079% Ownership

<u>Item #</u>	<u>Crystal River Unit 3</u>	
10 CFR 50.75(f)(1)		
1	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 6,789,307
	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.	\$ 12,296,574 ¹
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 11,237,699 ^{2,3}
3	A schedule of the annual amounts remaining to be collected;	None
4	The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	inflation 2.80% rate of return 3% on non forward delivery agreement funds 7.422% on forward delivery agreement funds
5	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);	None
6	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None
7	Any material changes to trust agreements.	None
10 CFR 50.82(a)(8)(v)		
8	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year.	None ⁴ - Previous calendar year None ⁵ - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 11,237,699 ^{2,3}
10	The amount provided by other financial assurance methods being relied upon;	None
11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and	See Attachment 11
12	The decommissioning criteria upon which the estimate is based;	Unrestricted Release
13	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None
14	(D) Any material changes to trust agreements or financial assurance contracts.	None
10 CFR 50.82(a)(8)(vi)		
15	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.
10 CFR 50.82(a)(8)(vii)		
16	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.
17	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and	See Attachment 11
18	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)

Attachment 4 Footnotes:

¹ City of Gainesville's ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the City of Gainesville's trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 5

**CITY OF KISSIMMEE,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 City of Kissimmee
 Crystal River Unit 3
 0.6754% Ownership

<u>Item #</u>	<u>Crystal River Unit 3</u>	
10 CFR 50.75(f)(1)		
1	\$ 3,256,977	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);
	\$ 5,898,932 ¹	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.
2	\$ 6,048,608 ^{2,3}	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;
3	None	A schedule of the annual amounts remaining to be collected;
4	inflation 2.80% rate of return 3% on non forward delivery agreement funds 7.422% on forward delivery agreement funds	The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;
5	None	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);
6	None	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and
7	None	Any material changes to trust agreements.
10 CFR 50.82(a)(8)(v)		
8	None ⁴	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year.
	None ⁵	- Previous calendar year - Cumulative
9	\$ 6,048,608 ^{2,3}	The remaining balance of any decommissioning funds, and
10	None	The amount provided by other financial assurance methods being relied upon;
11	See Attachment 11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and
12	Unrestricted Release	The decommissioning criteria upon which the estimate is based;
13	None	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and
14	None	(D) Any material changes to trust agreements or financial assurance contracts.
10 CFR 50.82(a)(8)(vi)		
15	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.
10 CFR 50.82(a)(8)(vii)		
16	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;
17	See Attachment 11	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and
18	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.

Attachment 5 Footnotes:

¹ City of Kissimmee's ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the City of Kissimmee's trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 6

**CITY OF LEESBURG,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 City of Leesburg
 Crystal River Unit 3
 0.8244% Ownership

<u>Item #</u>	<u>Crystal River Unit 3</u>	
10 CFR 50.75(f)(1)		
1	\$ 3,975,499	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);
	\$ 7,200,295 ¹	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.
2	\$ 6,598,843 ^{2,3}	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;
3	None	A schedule of the annual amounts remaining to be collected;
4	inflation rate of return	2.80% 3% on non forward delivery agreement funds 7.422% on forward delivery agreement funds
5	None	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);
6	None	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and
7	None	Any material changes to trust agreements.
10 CFR 50.82(a)(8)(v)		
8	None	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year. ⁴ - Previous calendar year
	None	⁵ - Cumulative
9	\$ 6,598,843 ^{2,3}	The remaining balance of any decommissioning funds, and
10	None	The amount provided by other financial assurance methods being relied upon;
11	See Attachment 11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and
12	Unrestricted Release	The decommissioning criteria upon which the estimate is based;
13	None	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and
14	None	(D) Any material changes to trust agreements or financial assurance contracts.
10 CFR 50.82(a)(8)(vi)		
15	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.
10 CFR 50.82(a)(8)(vii)		
16	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;
17	See Attachment 11	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and
18	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.

Attachment 6 Footnotes:

¹ City of Leesburg's ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the City of Leesburg's trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 7

**CITY OF NEW SMYRNA BEACH,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 City of New Smyrna Beach
 Crystal River Unit 3
 0.5608% Ownership

Item #		Crystal River Unit 3	
10 CFR 50.75(f)(1)			
1	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 2,704,342	
	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.	\$ 4,898,017 ¹	
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 4,280,479 ^{2,3}	
3	A schedule of the annual amounts remaining to be collected;	None	
4	The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	inflation rate of return	3.45% 0.10%
5	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);	None	
6	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	None	
7	Any material changes to trust agreements.	N/A	
10 CFR 50.82(a)(8)(v)			
8	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year.	\$0	⁴ - Previous calendar year
		\$0	⁵ - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 4,280,479 ^{2,3}	
10	The amount provided by other financial assurance methods being relied upon;	N/A	
11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and	See Attachment 11	
12	The decommissioning criteria upon which the estimate is based;	Unrestricted Release	
13	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	N/A	
14	(D) Any material changes to trust agreements or financial assurance contracts.	N/A	
10 CFR 50.82(a)(8)(vi)			
15	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	
10 CFR 50.82(a)(8)(vii)			
16	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	
17	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and	See Attachment 11	
18	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)	

Attachment 7 Footnotes:

¹ City of New Smyrna Beach's ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the City of New Smyrna Beach's trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 8

**CITY OF OCALA,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 City of Ocala
 Crystal River Unit 3
 1.3333% Ownership

Item #	Crystal River Unit 3	
10 CFR 50.75(f)(1)		
1	\$ 6,429,564	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);
	\$ 11,645,019 ¹	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.
2	\$ 10,632,074 ^{2,3}	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;
3	None	A schedule of the annual amounts remaining to be collected;
4	inflation rate of return	2.80% 3% on non forward delivery agreement funds 7.422% on forward delivery agreement funds
5	None	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);
6	None	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and
7	None	Any material changes to trust agreements.
10 CFR 50.82(a)(8)(v)		
8	None	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year.
	None	⁴ - Previous calendar year ⁵ - Cumulative
9	\$ 10,632,074 ^{2,3}	The remaining balance of any decommissioning funds, and
10	None	The amount provided by other financial assurance methods being relied upon;
11	See Attachment 11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and
12	Unrestricted Release	The decommissioning criteria upon which the estimate is based;
13	None	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and
14	None	(D) Any material changes to trust agreements or financial assurance contracts.
10 CFR 50.82(a)(8)(vi)		
15	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.
10 CFR 50.82(a)(8)(vii)		
16	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;
17	See Attachment 11	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and
18	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.

Attachment 8 Footnotes:

¹ City of Ocala ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the City of Ocala trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

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ATTACHMENT 9

**ORLANDO UTILITIES COMMISSION,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 Orlando Utilities Commission
 Crystal River Unit 3
 1.6015% Ownership

<u>Item #</u>		<u>Crystal River Unit 3</u>
	10 CFR 50.75(f)(1)	
1	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 7,722,903
	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.	\$ 13,987,473 ¹
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 13,546,920 ^{2,3}
3	A schedule of the annual amounts remaining to be collected;	NA
4	The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	inflation 2% rate of return 2015 - 1.35%, 2016 - 2.46%, 2017 - 3.05% 2018 and beyond 3.50%
5	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);	NA
6	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	No Change
7	Any material changes to trust agreements.	No Change
	10 CFR 50.82(a)(8)(v)	
8	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year.	\$ - ⁴ - Previous calendar year \$ - ⁵ - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 13,546,920 ^{2,3}
10	The amount provided by other financial assurance methods being relied upon;	\$ -
11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and	See Attachment 11
12	The decommissioning criteria upon which the estimate is based;	Unrestricted Release
13	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	No Change
14	(D) Any material changes to trust agreements or financial assurance contracts.	No Change
	10 CFR 50.82(a)(8)(vi)	
15	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.
	10 CFR 50.82(a)(8)(vii)	
16	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.
17	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and	See Attachment 11
18	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)

Attachment 9 Footnotes:

¹ Orlando Utilities Commission's ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the Orlando Utilities Commission's trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 10

**SEMINOLE ELECTRIC COOPERATIVE,
CRYSTAL RIVER UNIT 3 FUNDING STATUS REPORT**

NRC Decommissioning Funding Status Report
 Report Dated as of December 31, 2014
 Seminole Electric Cooperative, Inc.
 Crystal River Unit 3
 1.6994% Ownership

Item #		Crystal River Unit 3	
	10 CFR 50.75(f)(1)		
1	The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 8,195,006	
	1b. The amount of decommissioning funds estimated to be required for remaining License Termination costs.	\$ 14,842,530 ¹	
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 13,995,048 ^{2,3}	
3	A schedule of the annual amounts remaining to be collected;	\$ -	
4	The assumptions used regarding rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections;	inflation rate of return	2.80% 4.71%
5	Any contracts upon which the licensee is relying pursuant to paragraph 10 CFR 50.75(e)(1)(v);	no	
6	Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	no	
7	Any material changes to trust agreements.	no	
	10 CFR 50.82(a)(8)(v)		
8	(A) The amount spent on decommissioning, both cumulative and over the previous calendar year.	\$ - ⁴	- Previous calendar year
		\$ - ⁵	- Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 13,995,048 ^{2,3}	
10	The amount provided by other financial assurance methods being relied upon;	\$ -	
11	(B) An estimate of the costs to complete decommissioning, reflecting any difference between actual and estimated costs for work performed during the year, and	See Attachment 11	
12	The decommissioning criteria upon which the estimate is based;	Unrestricted Release	
13	(C) Any modifications occurring to a licensee's current method of providing financial assurance since the last submitted report; and	no	
14	(D) Any material changes to trust agreements or financial assurance contracts.	no	
	10 CFR 50.82(a)(8)(vi)		
15	If the sum of the balance of any remaining decommissioning funds, plus earnings on such funds calculated at not greater than a 2 percent real rate of return, together with the amount provided by other financial assurance methods being relied upon, does not cover the estimated cost to complete the decommissioning, the financial assurance status report must include additional financial assurance to cover the estimated cost of completion.	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	
	10 CFR 50.82(a)(8)(vii)		
16	(A) The amount of funds accumulated to cover the cost of managing the irradiated fuel;	As demonstrated in Attachment 11, funds accumulated cover estimated cost of completion.	
17	(B) The projected cost of managing irradiated fuel until title to the fuel and possession of the fuel is transferred to the Secretary of Energy; and	See Attachment 11	
18	(C) If the funds accumulated do not cover the projected cost, a plan to obtain additional funds to cover the cost.	As demonstrated in Attachment 11, funds accumulated cover projected cost of managing irradiated fuel, with the noted exception of DEF's portion of ISFSI capital construction costs as described in the update to the Irradiated Fuel Management Program pursuant to 10CFR50.54(bb) (ADAMS Accession No. ML13440A008)	

Attachment 10 Footnotes:

¹ Seminole Electric Cooperative, Inc. ownership share of the total amount of License Termination costs (Column A) in Attachment 11.

² Amount is net of 2014 tax obligations.

³ Represents the full fund balance of the Seminole Electric Cooperative, Inc. trust fund, which, in accordance with the NRC exemption request approval (ADAMS Accession No. ML14247A545), can also be used for Spent Fuel Management and Site Restoration costs.

⁴ Represents the amount actually disbursed from the fund in calendar year 2014 for License Termination costs, not the costs incurred in calendar year 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

⁵ Represents the cumulative amount actually disbursed from the fund as of December 31, 2014 for License Termination costs, not the cumulative costs incurred as of December 31, 2014. The Note applicable to Column A in Attachment 11 identifies the total amount of the 2013 and 2014 License Termination costs that have not been disbursed from the funds as of December 31, 2014.

DUKE ENERGY FLORIDA, INC.

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ATTACHMENT 11

**CRYSTAL RIVER UNIT 3,
ESTIMATE OF COSTS TO COMPLETE DECOMMISSIONING AND
FINANCIAL ASSURANCE DEMONSTRATION**

Crystal River Unit 3
Attachment 11 - Financial Assurance Demonstration
December 31, 2014

	<u>Column A</u>	<u>Column B</u>	<u>Column C</u>	<u>Column D</u>	<u>Column E</u>	<u>Column F</u>
	<u>Annual Expenses</u>	<u>Annual expenses</u>	<u>Annual expenses</u>	<u>Total Expenses</u>	<u>Projected Earnings</u>	<u>End-of-year Fund Balances</u>
					Annual Earnings on Decommissioning Trust Fund at 2%	All Owners Decommissioning Trust Fund Year-End Balance
	License Termination Cost (in thousands)	Spent Fuel Cost (in thousands)	Site Restoration Cost (in thousands)	Total Cost (in thousands)	(in thousands)	(in thousands)
2014						876,976
2015	148,462	57,594	0	206,056	15,479	686,399
2016	6,947	38,328	0	45,275	13,275	654,399
2017	6,928	36,290	0	43,217	12,656	623,838
2018	6,928	36,290	0	43,217	12,045	592,665
2019	6,382	24,077	0	30,459	11,549	573,754
2020	5,529	4,689	0	10,219	11,373	574,908
2021	5,514	4,676	0	10,190	11,396	576,114
2022	5,514	4,676	0	10,190	11,420	577,344
2023	5,514	4,676	0	10,190	11,445	578,599
2024	5,529	4,689	0	10,219	11,470	579,850
2025	5,514	4,676	0	10,190	11,495	581,155
2026	5,514	4,676	0	10,190	11,521	582,486
2027	5,514	4,676	0	10,190	11,548	583,843
2028	5,529	4,689	0	10,219	11,575	585,199
2029	5,514	4,676	0	10,190	11,602	586,611
2030	5,514	4,676	0	10,190	11,630	588,051
2031	5,514	4,676	0	10,190	11,659	589,519
2032	5,529	4,689	0	10,219	11,688	590,989
2033	5,514	4,676	0	10,190	11,718	592,516
2034	5,514	4,676	0	10,190	11,748	594,074
2035	5,514	7,483	0	12,997	11,752	592,829
2036	5,529	6,795	0	12,324	11,733	592,238
2037	5,482	0	0	5,482	11,790	598,546
2038	5,482	0	0	5,482	11,916	604,981
2039	5,482	0	0	5,482	12,045	611,544
2040	5,496	0	0	5,496	12,176	618,224
2041	5,482	0	0	5,482	12,310	625,052
2042	5,482	0	0	5,482	12,446	632,017
2043	5,482	0	0	5,482	12,586	639,120
2044	5,496	0	0	5,496	12,727	646,352
2045	5,482	0	0	5,482	12,872	653,743
2046	5,482	0	0	5,482	13,020	661,281
2047	5,482	0	0	5,482	13,171	668,970
2048	5,496	0	0	5,496	13,324	676,799
2049	5,482	0	0	5,482	13,481	684,798
2050	5,482	0	0	5,482	13,641	692,958
2051	5,482	0	0	5,482	13,804	701,281
2052	5,496	0	0	5,496	13,971	709,755
2053	5,482	0	0	5,482	14,140	718,414
2054	5,482	0	0	5,482	14,313	727,246
2055	5,482	0	0	5,482	14,490	736,254
2056	5,496	0	0	5,496	14,670	745,429
2057	5,482	0	0	5,482	14,854	754,801
2058	5,482	0	0	5,482	15,041	764,360
2059	5,482	0	0	5,482	15,232	774,111
2060	5,496	0	0	5,496	15,427	784,042
2061	5,482	0	0	5,482	15,626	794,187
2062	5,482	0	0	5,482	15,829	804,534
2063	5,482	0	0	5,482	16,036	815,088
2064	5,496	0	0	5,496	16,247	825,839
2065	5,482	0	0	5,482	16,462	836,820
2066	5,482	0	0	5,482	16,682	848,020
2067	28,945	0	415	29,360	16,667	835,327
2068	65,777	0	1,341	67,118	16,035	784,244
2069	120,078	0	1,657	121,735	14,468	676,977
2070	91,283	0	1,014	92,297	12,617	597,296
2071	76,825	0	692	77,517	11,171	530,950
2072	51,444	0	270	51,713	10,102	489,339
2073	4,940	0	27,723	32,663	9,460	466,136
2074	95	0	20,327	20,421	9,119	454,833
Total ¹	\$873,398	\$277,051	\$53,438	\$1,203,888		

The financial analysis provided above meets the requirements of 10 CFR 50.82(a)(8)(vi) and 10 CFR 50.82(a)(8)(vii), specifically items 15 through 18 in Attachments 1 through 10, to demonstrate that funds cover the estimated cost to complete decommissioning and the cost of managing irradiated fuel. The methodology and assumptions in this analysis are consistent with the March 28, 2014, Request for Exemption from 10 CFR 50.82(a)(8)(i)(A) and 10 CFR 50.75(h)(2) (ADAMS Accession No. ML14098A037), which was approved by NRC on January 26, 2015 (ADAMS Accession No. ML14247A545).

Attachment 11 Footnotes:

Column A - Annual Expenses - License Termination Cost - Reflects the License Termination cost portion of the Decommissioning Cost Estimate (DCE) escalated to 2014 dollars at the Consumer Price Index escalation rate of 1.7%. The 2015 costs represent the sum of 2013, 2014 and 2015 costs from the DCE, less \$3,159,121 of 2013 License Termination costs disbursed from the funds in 2014. License Termination costs of \$10,629,563 were incurred in 2013 (of which \$3,159,121 was disbursed as of December 31, 2014). License Termination costs of \$39,781,034 were incurred in 2014 (of which \$0 was reimbursed as of December 31, 2014). Reimbursement of the 2013 and 2014 outstanding costs is expected after December 31, 2014.

Column B - Annual Expenses - Spent Fuel Management Cost - Reflects the Spent Fuel Management cost portion of the Decommissioning Cost Estimate (DCE) escalated to 2014 dollars at the Consumer Price Index escalation rate of 1.7%. The 2015 costs represent the sum of 2013, 2014 and 2015 costs from the DCE, less \$819,107 of 2013 Spent Fuel Management costs disbursed from the funds in 2014. Spent Fuel Management costs of \$1,963,188 were incurred in 2013 (of which \$819,107 was disbursed as of December 31, 2014 and was the subject of a non-cited violation issued on October 21, 2014, in NRC Inspection Report No. 05000302/2014003 (ADAMS Accession No. ML14293A395)). Spent Fuel Management costs of \$33,235,330 were incurred in 2014 (of which \$0 was reimbursed as of December 31, 2014). Reimbursement of the 2013 and 2014 outstanding costs is expected after December 31, 2014. The 2015 and 2016 costs include ISFSI capital construction costs for all licensees, except DEF. DEF will fund its portion of ISFSI capital construction costs as described in its Update to Irradiated Fuel Management Program pursuant to 10 CFR 50.54(bb) (ADAMS Accession No. ML13340A008).

Column C - Annual Expenses - Site Restoration Cost - Reflects the Site Restoration cost portion of the Decommissioning Cost Estimate (DCE) escalated to 2014 dollars at the Consumer Price Index escalation rate of 1.7%. The 2015 costs represent the sum of 2013, 2014 and 2015 costs from the DCE. Site Restoration costs of \$792,958 were incurred in 2013 (of which \$180,009 was disbursed as of December 31, 2014 and was the subject of a non-cited violation issued on October 21, 2014, in NRC Inspection Report No. 05000302/2014003 (ADAMS Accession No. ML14293A395)). Site Restoration costs of \$2,420,579 were incurred in 2014 (of which \$0 was reimbursed as of December 31, 2014). Reimbursement of the 2013 and 2014 outstanding costs is expected after December 31, 2014. The 2014 reimbursement of \$180,009 was related to costs contemplated in the DCE for the year 2074 and was therefore deducted from the 2074 costs in the table above.

Column D - Annual Expenses - Total Cost - Reflects the sum of the License Termination, Spent Fuel Management and Site Restoration costs.

Column E - Projected Earnings - Reflects earnings on funds remaining in the trusts. Pursuant to 10 CFR 50.82(a)(8)(vi), a 2% real rate of return is used in this financial analysis. The earnings are calculated on the previous year's end-of-year fund balance (Column F) less 50% of the given year's annual expenses.

Column F - End-of-year Fund Balances - Reflects the end-of-year fund balance of all funds after all projected earnings are added and projected expenditures are deducted. The 2014 end-of-year fund balance includes 100% of \$6,815,843 in funds held by the City of Tallahassee on behalf of Duke Energy Florida, which pursuant to NRC order (ADAMS Accession No. ML020670117) will only be used for NRC radiological decommissioning.

¹ Total may not add due to rounding.