



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, 2014
3F0314-03

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 2013

- References:
1. CR-3 to NRC letter dated February 20, 2013, "Certification of Permanent Cessation of Power Operations and that Fuel Has Been Permanently Removed from the Reactor," (ADAMS Accession No. ML13056A005)
 2. 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)
 3. CR-3 to NRC letter dated December 2, 2013, "Crystal River Unit 3 – Post-Shutdown Decommissioning Activities Report" (ADAMS Accession No. ML13340A009)

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 2013. In Reference 1, DEF certified that Crystal River Unit 3 (CR-3) had permanently shut down and removed fuel from the reactor vessel. In Reference 2, the NRC acknowledged CR-3's certification of permanent cessation of power operation and permanent removal of fuel from the reactor vessel. In Reference 3, DEF submitted its Post-Shutdown Decommissioning Activities Report 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.

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:

A001
NRR

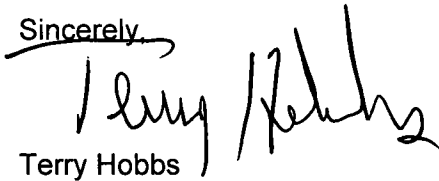
- (1) The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c), (While DEF is identifying this amount because it is specified in 10 CFR 50.75(f)(1), it does not appear applicable to a plant that has permanently ceased operation, has submitted a site specific cost 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 used in the calculations was determined using the December 2013 indices from the U.S. Department of Labor Statistics for labor, energy, and fuel and NUREG-1307, "Report on Waste Burial Charges: Changes in Decommissioning Waste Disposal Costs at Low-Level Waste Burial Facilities," Revision 15, for burial.

There are no new regulatory commitments associated with this letter.

If you have any questions regarding this submittal, please contact Mr. Dan Westcott, Manager, Nuclear Regulatory Affairs, at (352) 563-4796.

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
- Attachment 12 – Crystal River Unit 3, Projected Cost of Managing Irradiated Fuel and Plan to Cover Projected Cost

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, 2013
Duke Energy Florida
Crystal River Unit 3
91.7806% Ownership

Item #		Crystal River Unit 3	
10 CFR 50.75(f)(1) - Status of decommissioning funding			
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$	443,620,713
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$	791,058,827
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$	480,253,514 ^{1,2,3,4}
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% ⁵
		rate of return	4.47% ⁵
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	
		DEF made two changes to its trust agreement in 2013, neither of which DEF considers to be material but provides herein as information. First, with respect to disbursements and withdrawals from the trust fund, the trust agreement previously included NRC notification requirements that were more onerous than the requirements set forth in 10 CFR 50.75(h)(2), so the NRC notification requirements of the trust agreement were changed to align with the requirements set forth in 10 CFR 50.75(h)(2). Second, the trust agreement was changed to increase the number of people who are authorized to sign the disbursement requests that are submitted by DEF to the trustee pursuant to the trust agreement.	
7	Any material changes to trust agreements.		
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,	\$0 ⁶	- Previous calendar year
		N/A	- Cumulative
9	The remaining balance of any decommissioning funds, and	\$	480,253,514 ^{1,2,3,4}
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.	See Item 7 above	
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;	\$	264,315,270 ⁷
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 12	
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 12, 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 50.54(bb) update (ML13340A008)	

Attachment 1 Footnotes:

¹ Represents the amount of qualified and non-qualified decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$753,249,558, consistent with the value included in DEF's petition to the Florida Public Service Commission for approval of the Nuclear Decommissioning Cost Study, dated March 21, 2014.

² Amount is net of 2013 tax obligations.

³ Amount includes 100% of \$6,760,841 in funds held by the City of Tallahassee on behalf of DEF, as such funds are required to be used for NRC radiological decommissioning only.

⁴ Represents no decommissioning cost disbursements from the fund in 2013 since 2013 incurred costs were not disbursed as of December 31, 2013.

⁵ Represents values included in DEF's petition to the Florida Public Service Commission for approval of the Nuclear Decommissioning Cost Study, dated March 21, 2014.

⁶ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds as of December 31, 2013.

⁷ Represents the amount of qualified and non-qualified decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$753,249,558, consistent with the value included in DEF's petition to the Florida Public Service Commission for approval of the Nuclear Decommissioning Cost Study, dated March 21, 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, 2013
City of Alachua
Crystal River Unit 3
0.0779% Ownership

Item #		Crystal River Unit 3	
10 CFR 50.75(f)(1) - Status of decommissioning funding			
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 376,529	
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$ 671,422	
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 385,695	^{1,2}
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	0% See Below
<p>\$284,277.24 (Future earnings are assumed at a rate of 7.422% through September 2016 and .8% thereafter.)ⁿⁿ</p> <p>\$329,299.91 (Future earnings are assumed at the rate of .8%.)ⁿⁿ</p> <p>\$613,577.15 (Total: The sum may differ from the total due to rounding. This total does not include any amount for a tax burden as the co-owner is tax exempt.)</p> <p>Assumptions:</p> <p>**FMPA assumed the correctness and accuracy of the information provided for 1a) and 1b), which was supplied by DEF. For consistency with the DEF 2013 decommissioning cost estimate, the assumed Cost Escalation Rate is 0.00%.</p> <p>ⁿⁿThe assumed earnings rate is 7.422% for the portion invested at a guaranteed fixed rate through September 2016 (guaranteed by a forward delivery agreement) and .8% for the rest of the accumulated funds, after the current investment terms expire for accumulated funds that are currently invested, and for all accumulated funds after September 2016.</p>			
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.	\$0.00	³ - Previous calendar year
		\$0.00	- Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 385,695	^{1,2}
10	The amount provided by other financial assurance methods being relied upon;	\$0.00	
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;	\$ 215,304	⁴
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 12	
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 12, 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 50.54(bb) update (ML13340A008).	

Attachment 2 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$613,577.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$613,577.

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, 2013
City of Bushnell
Crystal River Unit 3
0.0388% Ownership

Item #		Crystal River Unit 3	
10 CFR 50.75(f)(1) - Status of decommissioning funding			
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$	187,539
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$	334,418
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$	191,661 ^{1,2}
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	0% See Below
<p>\$141,591.26 (Future earnings are assumed at a rate of 7.422% through September 2016 and .8% thereafter.)ⁿⁿ</p> <p>\$163,310.43 (Future earnings are assumed at the rate of .8%.)ⁿⁿ</p> <p>\$304,901.69 (Total: The sum may differ from the total due to rounding.</p> <p>This total does not include any amount for a tax burden as the co-owner is tax exempt.)</p> <p>Assumptions:</p> <p>**FMPA assumed the correctness and accuracy of the information provided for 1a) and 1b), which was supplied by DEF. For consistency with the DEF 2013 decommissioning cost estimate, the assumed Cost Escalation Rate is 0.00%.</p> <p>ⁿⁿThe assumed earnings rate is 7.422% for the portion invested at a guaranteed fixed rate through September 2016 (guaranteed by a forward delivery agreement) and .8% for the rest of the accumulated funds, after the current investment terms expire for accumulated funds that are currently invested, and for all accumulated funds after September 2016.</p>			
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.	\$0.00 ³	- Previous calendar year
		\$0.00	- Cumulative
9	The remaining balance of any decommissioning funds, and	\$	191,661 ^{1,2}
10	The amount provided by other financial assurance methods being relied upon;	\$0.00	
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;	\$	106,990 ⁴
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 12	
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 12, 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 50.54(bb) update (ML13340A008).	

Attachment 3 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$304,902.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$304,902.

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, 2013
City of Gainesville
Crystal River Unit 3
1.4079% Ownership

Item #		Crystal River Unit 3	
10 CFR 50.75(f)(1) - Status of decommissioning funding			
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 6,805,072	
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$ 12,134,718	
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 6,798,309 ^{1,2}	
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	0% See below
	<p>\$5,137,791.82 (Future earnings are assumed at a rate of 7.422% through September 2016 and .8% thereafter.)^m</p> <p>\$5,677,207.94 (Future earnings are assumed at the rate of .8%.)ⁿ</p> <p>\$10,814,999.76 (Total: The sum may differ from the total due to rounding.</p> <p>This total does not include any amount for a tax burden as the co-owner is tax exempt.)</p> <p>Assumptions:</p> <p>^mFMPA assumed the correctness and accuracy of the information provided for 1a) and 1b), which was supplied by DEF. For consistency with the DEF 2013 decommissioning cost estimate, the assumed Cost Escalation Rate is 0.00%.</p> <p>ⁿThe assumed earnings rate is 7.422% for the portion invested at a guaranteed fixed rate through September 2016 (guaranteed by a forward delivery agreement) and .8% for the rest of the accumulated funds, after the current investment terms expire for accumulated funds that are currently invested, and for all accumulated funds after September 2016.</p>		
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.	\$0.00 ³	- Previous calendar year
		\$0.00	- Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 6,798,309 ^{1,2}	
10	The amount provided by other financial assurance methods being relied upon;	\$0.00	
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;	\$ 3,794,983 ⁴	
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 12	
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 12,	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 50.54(bb) update (ML13340A008).

Attachment 4 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$10,815,000.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$10,815,000.

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, 2013
City of Kissimmee
Crystal River Unit 3
0.6754% Ownership

Item #		Crystal River Unit 3
10 CFR 50.75(f)(1) - Status of decommissioning funding		
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 3,264,540
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$ 5,821,286
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 3,672,003 ^{1,2}
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 0% rate of return See below
<p>\$2,464,709.59 (Future earnings are assumed at a rate of 7.422% through September 2016 and .8% thereafter.)^m</p> <p>\$3,376,847.43 (Future earnings are assumed at the rate of .8%.)^m</p> <p>\$5,841,557.02 (Total: The sum may differ from the total due to rounding.</p> <p>This total does not include any amount for a tax burden as the co-owner is tax exempt.)</p> <p>Assumptions:</p> <p>**FMPPA assumed the correctness and accuracy of the information provided for 1a) and 1b), which was supplied by DEF. For consistency with the DEF 2013 decommissioning cost estimate, the assumed Cost Escalation Rate is 0.00%.</p> <p>^mThe assumed earnings rate is 7.422% for the portion invested at a guaranteed fixed rate through September 2016 (guaranteed by a forward delivery agreement) and .8% for the rest of the accumulated funds, after the current investment terms expire for accumulated funds that are currently invested, and for all accumulated funds after September 2016.</p>		
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.	\$0.00 ³ - Previous calendar year \$0.00 - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 3,672,003 ^{1,2}
10	The amount provided by other financial assurance methods being relied upon;	\$0.00
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;	\$ 2,049,802 ⁴
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 12
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 12, 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 50.54(bb) update (ML13340A008).

Attachment 5 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$5,841,557.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$5,841,557.

DUKE ENERGY FLORIDA, INC.

DOCKET NUMBER 50 - 302 / LICENSE NUMBER DPR - 72

ATTACHMENT 6

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

NRC Decommissioning Funding Status Report
Report Dated as of December 31, 2013
City of Leesburg
Crystal River Unit 3
0.8244% Ownership

		Crystal River Unit 3
Item # 10 CFR 50.75(f)(1) - Status of decommissioning funding		
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 3,984,730
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$ 7,105,520
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 3,992,777 ^{1,2}
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 0% rate of return See below
<p>\$3,008,449.20 (Future earnings are assumed at a rate of 7.422% through September 2016 and .8% thereafter.)^m</p> <p><u>\$3,343,406.94</u> (Future earnings are assumed at the rate of .8%).^m</p> <p>\$6,351,856.14 (Total: The sum may differ from the total due to rounding.</p> <p style="padding-left: 40px;">This total does not include any amount for a tax burden as the co-owner is tax exempt.)</p>		
<p>Assumptions:</p> <p style="padding-left: 40px;">**FMPA assumed the correctness and accuracy of the information provided for 1a) and 1b), which was supplied by DEF. For consistency with the DEF 2013 decommissioning cost estimate, the assumed Cost Escalation Rate is 0.00%.</p> <p style="padding-left: 40px;">^mThe assumed earnings rate is 7.422% for the portion invested at a guaranteed fixed rate through September 2016 (guaranteed by a forward delivery agreement) and .8% for the rest of the accumulated funds, after the current investment terms expire for accumulated funds that are currently invested, and for all accumulated funds after September 2016.</p>		
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.	\$0.00 ³ - Previous calendar year \$0.00 - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 3,992,777 ^{1,2}
10	The amount provided by other financial assurance methods being relied upon;	\$0.00
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;	\$ 2,228,866 ⁴
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 12
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 12, 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 50.54(bb) update (ML13340A008).

Attachment 6 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$6,351,856.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$6,351,856.

DUKE ENERGY FLORIDA, INC.

DOCKET NUMBER 50 - 302 / LICENSE NUMBER DPR - 72

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, 2013
City of New Smyrna Beach
Crystal River Unit 3
0.5608% Ownership

Item #		Crystal River Unit 3
10 CFR 50.75(f)(1) - Status of decommissioning funding		
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 2,710,622
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$ 4,833,546
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 2,689,014 ^{1,2}
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 3.45% rate of return 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. Effective 12/9/2013, the Utilities Commission - City of New Smyrna Beach transferred its CR3 decommissioning funds to a new bank account at Bank of America (acct. ending in 3155), which was established as a "Restricted Sinking Fund Decommissioning Costs CR-3 Nuclear Plant". Formal Utilities Commission action, via resolution, is required for the withdrawal of these funds.	
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.	\$0 ³ - Previous calendar year \$0 - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 2,689,014 ^{1,2}
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. Effective 12/9/2013, the Utilities Commission - City of New Smyrna Beach transferred its CR3 decommissioning funds to a new bank account at Bank of America (acct. ending in 3155), which was established as a "Restricted Sinking Fund Decommissioning Costs CR-3 Nuclear Plant". Formal Utilities Commission action, via resolution, is required for the withdrawal of these funds.	
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;	\$ 1,501,074 ⁴
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 12
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 12, 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 50.54(bb) update (ML13340A008).

Attachment 7 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$4,277,783.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$4,277,783.

DUKE ENERGY FLORIDA, INC.

DOCKET NUMBER 50 - 302 / LICENSE NUMBER DPR - 72

ATTACHMENT 8

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

NRC Decommissioning Funding Status Report
Report Dated as of December 31, 2013
City of Ocala
Crystal River Unit 3
1.3333% Ownership

Item #		Crystal River Unit 3
10 CFR 50.75(f)(1) - Status of decommissioning funding		
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 6,444,494
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$ 11,491,739
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 6,431,727 ^{1,2}
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 0% rate of return See below
<p>\$4,865,557.14 (Future earnings are assumed at a rate of 7.422% through September 2016 and .8% thereafter.)^m</p> <p>\$5,366,271.42 (Future earnings are assumed at the rate of .8%.)^m</p> <p>\$10,231,828.56 (Total: The sum may differ from the total due to rounding.</p> <p style="text-align: center;">This total does not include any amount for a tax burden as the co-owner is tax exempt.)</p> <p>Assumptions:</p> <p>**FMPA assumed the correctness and accuracy of the information provided for 1a) and 1b), which was supplied by DEF. For consistency with the DEF 2013 decommissioning cost estimate, the assumed Cost Escalation Rate is 0.00%.</p> <p>^mThe assumed earnings rate is 7.422% for the portion invested at a guaranteed fixed rate through September 2016 (guaranteed by a forward delivery agreement) and .8% for the rest of the accumulated funds, after the current investment terms expire for accumulated funds that are currently invested, and for all accumulated funds after September 2016.</p>		
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.	\$0.00 ³ - Previous calendar year \$0.00 - Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 6,431,727 ^{1,2}
10	The amount provided by other financial assurance methods being relied upon;	\$0.00
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;	\$ 3,590,349 ⁴
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 12
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 12, 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 50.54(bb) update (ML13340A008).

Attachment 8 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$10,231,829.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$10,231,829.

DUKE ENERGY FLORIDA, INC.

DOCKET NUMBER 50 - 302 / LICENSE NUMBER DPR - 72

ATTACHMENT 9

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

NRC Decommissioning Funding Status Report
Report Dated as of December 31, 2013
Orlando Utilities Commission
Crystal River Unit 3
1.6015% Ownership

Item #		Crystal River Unit 3				
10 CFR 50.75(f)(1) - Status of decommissioning funding						
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$	7,740,836			
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$	13,803,361			
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$	8,328,715	1,2		
3	A schedule of the annual amounts remaining to be collected;		\$0.00			
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	2.00% FY 2015 1.35%	2016 2.45%	2017 3.05%	2018 & 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	NA				
7	Any material changes to trust agreements.	NA				
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.		\$0.00	3	- Previous calendar year	
			\$0.00		- Cumulative	
9	The remaining balance of any decommissioning funds, and	\$	8,328,715	1,2		
10	The amount provided by other financial assurance methods being relied upon;	NA				
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	NA				
14	(D) Any material changes to trust agreements or financial assurance contracts.	NA				
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;	\$	4,649,294	4		
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 12				
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 12, 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 50.54(bb) update (ML13340A008).				

Attachment 9 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$13,249,626.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$13,249,626.

DUKE ENERGY FLORIDA, INC.

DOCKET NUMBER 50 - 302 / LICENSE NUMBER DPR - 72

ATTACHMENT 10

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

NRC Decommissioning Funding Status Report
Report Dated as of December 31, 2013
Seminole Electric Cooperative, Inc.
Crystal River Unit 3
1.6994% Ownership

Item #		Crystal River Unit 3	
10 CFR 50.75(f)(1) - Status of decommissioning funding			
1	1a. The amount of decommissioning funds estimated to be required pursuant to 10 CFR 50.75(b) and (c);	\$ 8,214,035	
	1b. The amount of decommissioning funds estimated to be required for License Termination costs assuming the SAFSTOR alternative, from the site-specific study submitted to NRC on 12/2/2013 pursuant to 10 CFR 50.82 (a) (8) (iii).	\$ 14,647,163	
2	The amount of decommissioning funds accumulated to the end of the calendar year preceding the date of the report;	\$ 8,229,219	^{1,2}
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	2.38% 3.99%
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.	None	³ - Previous calendar year
		None	- Cumulative
9	The remaining balance of any decommissioning funds, and	\$ 8,229,219	^{1,2}
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;	\$ 4,593,753	⁴
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 12	
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 12,	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 50.54(bb) update (ML13340A008).

Attachment 10 Footnotes:

¹ Represents the amount of decommissioning funds allocable to Nuclear Regulatory Commission (NRC) radiological decommissioning (i.e., decommissioning as defined in 10 CFR 50.2). Concurrently with the filing of this submittal, the licensees of the Crystal River Unit 3 Nuclear Plant have filed a separate submittal to allow use of their commingled decommissioning trust funds to pay for (i) NRC radiological decommissioning, (ii) irradiated/spent fuel management and (iii) State site restoration costs. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, Duke Energy Florida, Inc. (DEF) submits that the amount of decommissioning funds that should be allocated to NRC radiological decommissioning is equal to 62.86% of the December 31, 2013 full fund balance of \$13,091,344.

² Amount is net of 2013 tax obligations.

³ Represents the amount actually disbursed from the fund as of December 31, 2013, not the costs incurred as of December 31, 2013. The Column A description in Attachment 11 identifies 2013 decommissioning expenditures not yet reimbursed from the decommissioning trust funds.

⁴ Represents the amount of decommissioning funds allocable to irradiated fuel management. Based on the most recent site specific decommissioning cost study and with consideration of the timing of expenditures and growth, DEF submits that the amount of decommissioning funds that should be allocated to irradiated fuel management is equal to 35.09% of the December 31, 2013 full fund balance of \$13,091,344.

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ATTACHMENT 11

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

The financial analysis is provided below to meet the requirement of 10 CFR 50.82(a)(8)(vi) in whole, specifically Item 15 in Attachments 1 through 10, and to demonstrate that the funds accumulated cover the estimated cost of completion.

Funding Requirements for License Termination - SAFSTOR Scenario			
	<i>Column A</i>	<i>Column B</i>	<i>Column C</i>
	<i>Annual Expenses</i>	<i>Projected Earnings</i>	<i>End-of-year Fund Balances</i>
	License Termination Cost (in thousands)	Annual Earnings on Decommissioning Trust Fund at 2% (in thousands)	At 62.86% Allocation All Owners Decommissioning Trust Fund Escalated at 2% (minus 100% of expenses) (in thousands)
2013			520,973
2014	101,152	9,408	429,229
2015	47,935	8,105	389,399
2016	6,831	7,720	390,287
2017	6,812	7,738	391,213
2018	6,812	7,756	392,157
2019	6,275	7,780	393,663
2020	5,437	7,819	396,044
2021	5,422	7,867	398,489
2022	5,422	7,916	400,983
2023	5,422	7,965	403,526
2024	5,437	8,016	406,105
2025	5,422	8,068	408,751
2026	5,422	8,121	411,450
2027	5,422	8,175	414,203
2028	5,437	8,230	416,995
2029	5,422	8,286	419,859
2030	5,422	8,343	422,780
2031	5,422	8,401	425,760
2032	5,437	8,461	428,783
2033	5,422	8,521	431,883
2034	5,422	8,583	435,044
2035	5,422	8,647	438,269
2036	5,437	8,711	441,543
2037	5,390	8,777	444,930
2038	5,390	8,845	448,385
2039	5,390	8,914	451,908
2040	5,404	8,984	455,488
2041	5,390	9,056	459,154

	Column A	Column B	Column C
	Annual Expenses	Projected Earnings	End-of-year Fund Balances
	License Termination Cost (in thousands)	Annual Earnings on Decommissioning Trust Fund at 2% (in thousands)	At 62.86% Allocation All Owners Decommissioning Trust Fund Escalated at 2% (minus 100% of expenses) (in thousands)
2042	5,390	9,129	462,894
2043	5,390	9,204	466,707
2044	5,404	9,280	470,584
2045	5,390	9,358	474,551
2046	5,390	9,437	478,598
2047	5,390	9,518	482,727
2048	5,404	9,600	486,923
2049	5,390	9,685	491,218
2050	5,390	9,770	495,598
2051	5,390	9,858	500,066
2052	5,404	9,947	504,609
2053	5,390	10,038	509,258
2054	5,390	10,131	513,999
2055	5,390	10,226	518,835
2056	5,404	10,323	523,754
2057	5,390	10,421	528,785
2058	5,390	10,522	533,917
2059	5,390	10,624	539,151
2060	5,404	10,729	544,476
2061	5,390	10,836	549,922
2062	5,390	10,945	555,476
2063	5,390	11,056	561,142
2064	5,404	11,169	566,907
2065	5,390	11,284	572,801
2066	5,390	11,402	578,813
2067	28,461	11,292	561,644
2068	64,677	10,586	507,553
2069	118,071	8,970	398,452
2070	89,757	7,071	315,767
2071	75,541	5,560	245,786
2072	50,584	4,410	199,611
2073	4,857	3,944	198,698
2074	93	3,973	202,578

Column A - Annual Expenses - Reflects the License Termination Plan cost portion of the Decommissioning Cost Estimate (DCE) at a 0% escalation rate. The 2014 costs represent the sum of the 2013 and 2014 costs from the DCE because no costs were paid from the trust funds in 2013. License Termination costs in the amount of \$11,522,999 were incurred in 2013, but not disbursed from the fund. The remaining portion of the 2013 estimated costs from the DCE are expected to be incurred in 2014. Therefore, the DCE is still considered accurate. The values in Column A and this description provide the information required by 10 CFR 50.82(a)(8)(v)(B) in part, specifically Item 11 in Attachments 1 through 10.

Column B - Projected Earnings - Reflects earnings on funds remaining in the trust. An anticipated 1.65% real rate of return was used for the financial analysis provided in the Post-Shutdown Decommissioning Activities Report. Additionally, the co-owners of Crystal River Unit 3 report various real rates of return for planning purposes in Attachments 1 through 10. However, 10 CFR 50.82(a)(8)(vi) permits the use of a real rate of return of up to 2% in financial analyses used to determine financial assurance and is therefore used in this financial analysis. The earnings are calculated on the previous year's end-of-year fund balance (Column C) less 50% of the given year's annual expenses.

Column C - End-of-year Fund Balances - Reflects the end-of-year fund balance after all projected earnings are added and projected expenditures are deducted. The 2013 end-of-year fund balance includes 100% of \$6,760,841 in funds held by the City of Tallahassee on behalf of Duke Energy Florida, Inc. as such funds are required to be used for Nuclear Regulatory Commission (NRC) radiological decommissioning only per NRC order (ADAMS Accession No. ML020670117).

For the purposes of demonstrating financial assurance in accordance with 10 CFR 50.82(a)(8)(vi), the methodology and assumptions in this analysis are consistent with the NRC's methodology and assumptions of performing its 10 CFR 50.75 financial assurance demonstration as outlined in LIC-205, "Procedures for NRC's Independent Analysis of Decommissioning Funding Assurance for Operating Nuclear Power Reactors," Revision 4, and in the NRC's Crystal River Unit 3-specific analysis provided by letter dated May 22, 2012 (ADAMS Accession No. ML12123A082).

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ATTACHMENT 12

**CRYSTAL RIVER UNIT 3,
PROJECTED COST OF MANAGING IRRADIATED FUEL AND PLAN TO
COVER PROJECTED COST**

The financial analysis is provided below to meet the requirement of 10 CFR 50.82(a)(8)(vii)(C) in whole, specifically Item 18 in Attachments 1 through 10.

Funding Requirements for Spent Fuel - SAFSTOR Scenario			
	Column A	Column B	Column C
	Annual Expenses	Projected Earnings	End-of-year Fund Balances
	Spent Fuel Cost (in thousands)	Annual Earnings on Decommissioning Trust Fund at 2% (in thousands)	At 35.09% Allocation All Owners Decommissioning Trust Fund Escalated at 2% (minus 100% of expenses) (in thousands)
2013			287,046
2014	27,422	5,467	265,090
2015	30,015	5,002	240,077
2016	37,687	4,425	206,815
2017	35,683	3,779	174,911
2018	35,683	3,141	142,370
2019	23,675	2,611	121,305
2020	4,611	2,380	119,074
2021	4,598	2,336	116,812
2022	4,598	2,290	114,504
2023	4,598	2,244	112,150
2024	4,611	2,197	109,736
2025	4,598	2,149	107,287
2026	4,598	2,100	104,788
2027	4,598	2,050	102,240
2028	4,611	1,999	99,628
2029	4,598	1,947	96,976
2030	4,598	1,894	94,272
2031	4,598	1,839	91,513
2032	4,611	1,784	88,687
2033	4,598	1,728	85,816
2034	4,598	1,670	82,889
2035	7,358	1,584	77,115
2036	6,681	1,475	71,909
2037	0	1,438	73,348
2038	0	1,467	74,815
2039	0	1,496	76,311
2040	0	1,526	77,837
2041	0	1,557	79,394
2042	0	1,588	80,982

	Column A	Column B	Column C
	Annual Expenses	Projected Earnings	End-of-year Fund Balances
	Spent Fuel Cost (in thousands)	Annual Earnings on Decommissioning Trust Fund at 2% (in thousands)	At 35.09% Allocation All Owners Decommissioning Trust Fund Escalated at 2% (minus 100% of expenses) (in thousands)
2043	0	1,620	82,601
2044	0	1,652	84,253
2045	0	1,685	85,938
2046	0	1,719	87,657
2047	0	1,753	89,410
2048	0	1,788	91,199
2049	0	1,824	93,023
2050	0	1,860	94,883
2051	0	1,898	96,781
2052	0	1,936	98,716
2053	0	1,974	100,691
2054	0	2,014	102,704
2055	0	2,054	104,758
2056	0	2,095	106,854
2057	0	2,137	108,991
2058	0	2,180	111,170
2059	0	2,223	113,394
2060	0	2,268	115,662
2061	0	2,313	117,975
2062	0	2,360	120,335
2063	0	2,407	122,741
2064	0	2,455	125,196
2065	0	2,504	127,700
2066	0	2,554	130,254
2067	0	2,605	132,859
2068	0	2,657	135,516
2069	0	2,710	138,227
2070	0	2,765	140,991
2071	0	2,820	143,811
2072	0	2,876	146,687
2073	0	2,934	149,621
2074	0	2,992	152,613

Column A - Annual Expenses - Reflects the Spent Fuel Management cost portion of the Decommissioning Cost Estimate (DCE) at a 0% escalation rate. The 2014 costs represent the sum of the 2013 and 2014 costs from the DCE because no costs were paid from the trust funds in 2013. Spent Fuel Management costs in the amount of \$1,859,740 were incurred in 2013, but not disbursed from the fund. The remaining portion of the 2013 estimated costs are expected to be incurred in 2014. Therefore, the DCE is still considered accurate. The 2014, 2015 and 2016 costs include independent spent fuel storage installation (ISFSI) capital construction costs for all licensees, except Duke Energy Florida, Inc. (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). The values in Column A and this description provide the information required by 10 CFR 50.82(a)(8)(vii)(B) in whole, specifically Item 17 in Attachments 1 through 10.

Column B - Projected Earnings - Reflects earnings on funds remaining in the trust. An anticipated 1.65% real rate of return was used for the financial analysis provided in the Post-Shutdown Decommissioning Activities Report. Additionally, the co-owners of Crystal River Unit 3 report various real rates of return for planning purposes in Attachments 1 through 10. However, 10 CFR 50.82(a)(8)(vi) permits the use of a real rate of return of up to 2% in financial analyses used to determine financial assurance and is therefore used in this financial analysis. The earnings are calculated on the previous year's end-of-year fund balance (Column C) less 50% of the given year's annual expenses.

Column C - End-of-year Fund Balances - Reflects the end-of-year fund balance after all projected earnings are added and projected expenditures are deducted.

For the purposes of demonstrating that funds accumulated cover projected costs in accordance with 10 CFR 50.82(a)(8)(vii)(C), the methodology and assumptions in this analysis are consistent with the Nuclear Regulatory Commission (NRC) methodology and assumptions for performing its 10 CFR 50.75 financial assurance demonstration as outlined in LIC-205, "Procedures for NRC's Independent Analysis of Decommissioning Funding Assurance for Operating Nuclear Power Reactors," Revision 4, and in the NRC's Crystal River Unit 3-specific analysis provided by letter dated May 22, 2012 (ADAMS Accession No. ML12123A082).