



**MAR 25 2019**

L-2019-046  
10 CFR 50.75(f)(1)  
10 CFR 72.30(c)

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

RE: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
Docket No. 72-61

Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Docket No. 72-62

NextEra Energy Seabrook, LLC  
Seabrook Station  
Docket No. 50-443  
Docket No. 72-63

NextEra Energy Point Beach, LLC  
Point Beach Units 1 and 2  
Docket Nos. 50-266, 50-301  
Docket No. 72-05

Decommissioning Funding Status Reports / Independent Spent Fuel Storage Installation (ISFSI)  
Financial Assurance Update

Pursuant to 10 CFR 50.75(f)(1) and 10 CFR 72.30(c), enclosed are the Decommissioning Funding Status (DFS) Reports and Independent Spent Fuel Storage Installation Financial Assurance Update for the following units:

1. St. Lucie Units 1 and 2
2. Turkey Point Units 3 and 4
3. Seabrook Station
4. Point Beach Units 1 and 2

Florida Power and Light Company (FPL) is the sole owner of Turkey Point Units 3 and 4 and St. Lucie Unit 1. FPL, Florida Municipal Power Agency, and Orlando Utilities Commission own St. Lucie Unit 2. The report for St. Lucie Unit 2 provides the status of decommissioning funding for all three owners of that unit.

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NextEra Energy Seabrook, LLC (Seabrook), Hudson Light and Power Department, Massachusetts Municipal Wholesale Electric Company, and Taunton Municipal Lighting Plant own Seabrook Station. The report for Seabrook Station provides the status of decommissioning funding for all four owners of that unit.

NextEra Energy Point Beach, LLC is the sole owner of Point Beach Units 1 and 2.

This letter contains no new commitments and no revisions to existing commitments.

Should there be any questions, please contact Steve Catron at (561) 304-6206.



William Parks  
Nuclear Licensing and Regulatory Compliance Director

Enclosures (2)

## **Enclosure 1**

Decommissioning Funding Status Reports  
10 CFR 50.75(f)(1)

- St. Lucie Units 1 and 2
- Turkey Point Units 3 and 4
- Seabrook Station
- Point Beach Units 1 and 2

**St. Lucie Nuclear Plant – Unit 1  
Florida Power and Light Company (FPL),  
Decommissioning Funding Status Report**

1. **The minimum decommissioning fund estimate pursuant to 10 CFR 50.75(b) and (c).**

Plant Owner (% Ownership)	NRC Minimum (a)
FPL (100%)	491,668,470

(a) Refer to St. Lucie Unit 1 for calculation assumptions

2. **The amount accumulated at the end of the calendar year preceding the date of the report. (Trust fund balance is net of taxes)**

	Total <sup>1</sup>
FPL (100%)	1,016,752,531

3. **Projected Funds at Shutdown (2% real rate of return).**

	Total
FPL (100%) (see note (b))	1,428,728,538

(b) Pursuant to Florida Public Service Commission (FPSC) Order No. PSC-16-0250-PAA-EI, customer contributions to the decommissioning trust remain at zero effective June 29, 2016.

4. **Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).**

None

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5. **Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report.**

None

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6. **Any material changes to trust agreements.**

None

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<sup>1</sup> NRC letter dated November 26, 2008, St. Lucie Plant, Unit Nos. 1 and 2 – Biennial Decommissioning Funding Report (TAC Nos. MD9354 and MD9355), directed FPL to report all funds within the trust as designated for radiological decommissioning purposes since FPL does not earmark each cost component of decommissioning within the trust. However, the trust includes non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the Florida Public Service Commission (FPSC). FPL understands that under NRC guidance, either an order of the FPSC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, St. Lucie Unit 1 allocates the trust account amounts by license termination, spent fuel management and site restoration costs based on assumptions from the decommissioning cost study filed in December 2015 with the FPSC.

**ST. LUCIE NUCLEAR PLANT - UNIT 1**  
**NRC Minimum Decommissioning Cost Determination**

NRC Minimum = \$101.58 million X (0.65L + 0.13E + 0.22B)

Where:

\$101.58 million is value for reference PWR in 1986 dollars

L = Labor escalation factor to current year<sup>3</sup>

E = Energy escalation factor to current year<sup>4</sup>

B = LLRW escalation factor to current year<sup>5</sup>

#	Item Description	Value
1	Labor escalation factor for Quarter 4, 2018 <sup>3</sup>	132.5
2	Base adjustment factor from NUREG-1307 <sup>2</sup>	1.98
3	Escalation factor from NUREG-1307	100
4	L = #1 times #2 divided by #3	2.62
5	Electric power escalation factor, 2018 <sup>6</sup>	240.2
6	Electric power escalation factor for Jan., 1986 from NUREG-1307	114.2
7	Fuel escalation factor for 2018 <sup>7</sup>	223.6
8	Fuel escalation factor for Jan., 1986 from NUREG-1307	82
9	P = #5 divided by #6	2.10
10	F = #7 divided by #8	2.73
11	E = 0.58P(#9) + 0.42F(#10) per NUREG-1307	2.37
12	Value of B from Table 2.1 of NUREG-1307 <sup>5</sup>	12.853
13	0.65L(#4) + 0.13E(#11) + 0.22B(#12)	4.84
14	1986 minimum-millions of dollars for PWR	101.58
15	2018 minimum-millions of dollars: #13 times #14	491.7

<sup>2</sup> NUREG 1307, Rev 17, Table 3.2

<sup>3</sup> NUREG 1307 specified that source is Bureau of Labor Statistics Data, Employment Cost Index, Series CIU2010000002201 (South Region).

<sup>4</sup> NUREG 1307 specifies that source is a weighted calculation using Bureau of Labor Statistics Data, Producer Price Index-Commodities, Series wpu0573 (light fuel oils) and wpu0543 (industrial electric power).

<sup>5</sup> NUREG 1307 provides a value for B in Table 2.1.

<sup>6</sup> December 2018 value is 240.2 (See note #4) Information was preliminary as of 01/15/19.

<sup>7</sup> December 2018 value is 223.6 (See note #4) Information was preliminary as of 01/15/19.

## ST. LUCIE NUCLEAR PLANT - UNIT 1

The St. Lucie Unit 1 trust includes non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the Florida Public Service Commission (FPSC). FPL understands that under NRC guidance, either an order of the FPSC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, the data summarized below allocates the NRC license termination portion of the trust fund balance based upon percentages in FPL's most recent FPSC decommissioning cost study. St. Lucie Unit 1 is utilizing the formula method to demonstrate financial assurance pursuant to 10CFR 50.75(b).

<b>Florida Power and Light Company</b>		
<b>Decommissioning Trust Fund - License Termination Funds</b>		
<b>As of December 31, 2018</b>		
<b>TLG Cost Study (thousands of \$2015)</b>		<b>St. Lucie Unit 1</b>
License Termination		589,149
Spent Fuel Management		296,190
Site Restoration		49,309
<b>Total</b>		<b>934,648</b>
<b>Category %</b>		
License Termination		63.03%
Spent Fuel Management		31.69%
Site Restoration		5.28%
<b>Total</b>		<b>100%</b>
<b>Projected Trust Fund Balance at Shutdown</b>		<b>1,428,728,538</b>
<b>Projection at Shutdown - License Termination Portion (Allocation based on TLG Study)</b>		<b>900,589,301</b>

**St. Lucie Nuclear Plant – Unit 2  
Florida Power and Light Company (FPL),  
Florida Municipal Power Agency (FMPA),  
Orlando Utilities Commission (OUC)  
Decommissioning Funding Status Report**

**1. The minimum decommissioning fund estimate pursuant to 10 CFR 50.75(b) and (c).**

Plant Owner (% Ownership)	NRC Minimum (a)
FPL (85.10449%)	418,431,944
FMPA (8.806%)	43,296,326
OUC (6.08951%)	29,940,201
<b>Total</b>	<b>491,668,470</b>

(a) Refer to St. Lucie Unit 2 for calculation assumptions

**2. The amount accumulated at the end of the calendar year preceding the date of the report. (Trust fund balances are net of taxes)**

	Total <sup>8</sup>
FPL (85.10449%)	860,941,961
FMPA (8.806%)	81,873,016
OUC (6.08951%)	42,227,949
<b>Total</b>	<b>985,042,925</b>

**3. Projected Funds at Shutdown (2% real rate of return).**

	Total
FPL (85.10449%) (see note (b))	1,392,455,526
FMPA (8.806%) (see note (c))	132,418,372
OUC (6.08951%) (see note (c))	68,297,915
<b>Total</b>	<b>1,593,171,813</b>

(b) Pursuant to Florida Public Service Commission (FPSC) Order No. PSC-16-0250-PAA-EI, customer contributions to the decommissioning trust remain at zero effective June 29, 2016.

(c) Assumes no contributions to the fund.

**4. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).**

None

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**5. Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report.**

None

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**6. Any material changes to trust agreements.**

None

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<sup>8</sup> NRC letter dated November 26, 2008, St. Lucie Plant, Unit Nos. 1 and 2 – Biennial Decommissioning Funding Report (TAC Nos. MD9354 and MD9355), directed FPL to report all funds within the trust as designated for radiological decommissioning purposes since FPL does not earmark each cost component of decommissioning within the trust. However, the trust includes non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the Florida Public Service Commission (FPSC). FPL understands that under NRC guidance, either an order of the FPSC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, St. Lucie Unit 2, allocates the trust account amounts by license termination, spent fuel management and site restoration costs based on assumptions from the decommissioning cost study filed in December 2015 with the FPSC.

**ST. LUCIE NUCLEAR PLANT - UNIT 2**  
**NRC Minimum Decommissioning Cost Determination**

NRC Minimum = \$101.58 million X (0.65L + 0.13E + 0.22B)

Where:

\$101.58 million is value for reference PWR in 1986 dollars

L = Labor escalation factor to current year<sup>10</sup>

E = Energy escalation factor to current year<sup>11</sup>

B = LLRW escalation factor to current year<sup>12</sup>

#	Item Description	Value
1	Labor escalation factor for Quarter 4, 2018 <sup>10</sup>	132.5
2	Base adjustment factor from NUREG-1307 <sup>9</sup>	1.98
3	Escalation factor from NUREG-1307	100
4	L = #1 times #2 divided by #3	2.62
5	Electric power escalation factor, 2018 <sup>13</sup>	240.2
6	Electric power escalation factor for Jan., 1986 from NUREG-1307	114.2
7	Fuel escalation factor for 2018 <sup>14</sup>	223.6
8	Fuel escalation factor for Jan., 1986 from NUREG-1307	82
9	P = #5 divided by #6	2.10
10	F = #7 divided by #8	2.73
11	E = 0.58P(#9) + 0.42F(#10) per NUREG-1307	2.37
12	Value of B from Table 2.1 of NUREG-1307 <sup>12</sup>	12.853
13	0.65L(#4) + 0.13E(#11) + 0.22B(#12)	4.84
14	1986 minimum-millions of dollars for PWR	101.58
15	2018 minimum-millions of dollars: #13 times #14	491.7

<sup>9</sup> NUREG 1307, Rev 17, Table 3.2

<sup>10</sup> NUREG 1307 specified that source is Bureau of Labor Statistics Data, Employment Cost Index, Series CIU2010000002201 (South Region).

<sup>11</sup> NUREG 1307 specifies that source is a weighted calculation using Bureau of Labor Statistics Data, Producer Price Index-Commodities, Series wpu0573 (light fuel oils) and wpu0543 (industrial electric power).

<sup>12</sup> NUREG 1307 provides a value for B in Table 2.1.

<sup>13</sup> December 2018 value is 240.2 (See note #11) Information was preliminary as of 01/15/19.

<sup>14</sup> December 2018 value is 223.6 (See note #11) Information was preliminary as of 01/15/19.



## ST. LUCIE NUCLEAR PLANT - UNIT 2

The St. Lucie Unit 2 trust includes non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the Florida Public Service Commission (FPSC). FPL understands that under NRC guidance, either an order of the FPSC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, the data summarized below allocates the NRC license termination portion of the trust fund balance based upon percentages in FPL's most recent FPSC decommissioning cost study. St. Lucie Unit 2 is utilizing the formula method to demonstrate financial assurance pursuant to 10CFR 50.75(b).

Florida Power and Light Company					
Decommissioning Trust Fund - License Termination Funds					
As of December 31, 2018					
TLG Cost Study (thousands of \$2015)	St. Lucie Unit 2	FPL	FMPA	OUC	
License Termination	619,088				
Spent Fuel Management	190,515				
Site Restoration	62,228				
<b>Total</b>	<b>871,831</b>				
<b>Category %</b>					
License Termination	71.01%				
Spent Fuel Management	21.85%				
Site Restoration	7.14%				
<b>Total</b>	<b>100%</b>				
<b>Projected Trust Fund Balance at Shutdown</b>	<b>1,593,171,813</b>	<b>1,392,455,526</b>	<b>132,418,372</b>	<b>68,297,915</b>	
<b>Projection at Shutdown - License Termination Portion (Allocation based on TLG Study)</b>	<b>1,131,312,779</b>	<b>988,783,958</b>	<b>94,030,409</b>	<b>48,498,413</b>	

**Turkey Point Nuclear Plant – Unit 3  
Florida Power and Light Company (FPL),  
Decommissioning Funding Status Report**

1. **The minimum decommissioning fund estimate pursuant to 10 CFR 50.75(b) and (c).**

Plant Owner (% Ownership)	NRC Minimum (a)
FPL (100%)	475,652,555

**(a) Refer to Turkey Point Unit 3 for calculation assumptions**

2. **The amount accumulated at the end of the calendar year preceding the date of the report. (Trust fund balance is net of taxes)**

	Total <sup>15</sup>
FPL (100%)	839,232,304

3. **Projected Funds at Shutdown (2% real rate of return).**

	Total
FPL (100%) (see note (b))	1,097,718,787

**(b) Pursuant to Florida Public Service Commission (FPSC) Order No. PSC-16-0250-PAA-EI, customer contributions to the decommissioning trust remain at zero effective June 29, 2016.**

4. **Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).**

None

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5. **Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report.**

None

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6. **Any material changes to trust agreements.**

None

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<sup>15</sup> NRC letter dated November 26, 2008, St. Lucie Plant, Unit Nos. 1 and 2 – Biennial Decommissioning Funding Report (TAC Nos. MD9354 and MD9355), directed FPL to report all funds within the trust as designated for radiological decommissioning purposes since FPL does not earmark each cost component of decommissioning within the trust. However, the trust includes non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the Florida Public Service Commission (FPSC). FPL understands that under NRC guidance, either an order of the FPSC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, Turkey Point Unit 3, allocates the trust account amounts by license termination, spent fuel management and site restoration costs based on assumptions from the decommissioning cost study filed in December 2015 with the FPSC

**TURKEY POINT NUCLEAR PLANT - UNIT 3**  
**NRC Minimum Decommissioning Cost Determination**

NRC Minimum = \$98.27 million X (0.65L + 0.13E + 0.22B)

Where:

\$98.27 million is value for reference PWR in 1986 dollars

L = Labor escalation factor to current year<sup>17</sup>

E = Energy escalation factor to current year<sup>18</sup>

B = LLRW escalation factor to current year<sup>19</sup>

#	Item Description	Value
1	Labor escalation factor for Quarter 4, 2018 <sup>17</sup>	132.5
2	Base adjustment factor from NUREG-1307 <sup>16</sup>	1.98
3	Escalation factor from NUREG-1307	100
4	L = #1 times #2 divided by #3	2.62
5	Electric power escalation factor, 2018 <sup>20</sup>	240.2
6	Electric power escalation factor for Jan., 1986 from NUREG-1307	114.2
7	Fuel escalation factor for 2018 <sup>21</sup>	223.6
8	Fuel escalation factor for Jan., 1986 from NUREG-1307	82
9	P = #5 divided by #6	2.10
10	F = #7 divided by #8	2.73
11	E = 0.58P(#9) + 0.42F(#10) per NUREG-1307	2.37
12	Value of B from Table 2.1 of NUREG-1307 <sup>19</sup>	12.853
13	0.65L(#4) + 0.13E(#11) + 0.22B(#12)	4.84
14	1986 minimum-millions of dollars for PWR	98.27
15	2018 minimum-millions of dollars: #13 times #14	475.7

<sup>16</sup> NUREG 1307, Rev 17, Table 3.2

<sup>17</sup> NUREG 1307 specified that source is Bureau of Labor Statistics Data, Employment Cost Index, Series CIU201000000220I (South Region).

<sup>18</sup> NUREG 1307 specifies that source is a weighted calculation using Bureau of Labor Statistics Data, Producer Price Index-Commodities, Series wpu0573 (light fuel oils) and wpu0543 (industrial electric power).

<sup>19</sup> NUREG 1307 provides a value for B in Table 2.1.

<sup>20</sup> December 2018 value is 240.2. (See note #18) Information was preliminary as of 01/15/19.

<sup>21</sup> December 2018 value is 223.6 (See note #18) Information was preliminary as of 01/15/19.

## TURKEY POINT NUCLEAR PLANT - UNIT 3

The Turkey Point Unit 3 trust includes non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the Florida Public Service Commission (FPSC). FPL understands that under NRC guidance, either an order of the FPSC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, the data summarized below allocates the NRC license termination portion of the trust fund balance based upon percentages in FPL's most recent FPSC decommissioning cost study. Turkey Point Unit 3 is utilizing the formula method to demonstrate financial assurance pursuant to 10CFR 50.75(b).

Florida Power and Light Company		
Decommissioning Trust Fund - License Termination Funds		
As of December 31, 2018		
TLG Cost Study (thousands of \$2015)		Turkey Point Unit 3
License Termination		580,783
Spent Fuel Management		224,586
Site Restoration		40,665
<b>Total</b>		<b>846,034</b>
<b>Category %</b>		
License Termination		68.65%
Spent Fuel Management		26.55%
Site Restoration		4.81%
<b>Total</b>		<b>100%</b>
<b>Projected Trust Fund Balance at Shutdown</b>		<b>1,097,718,787</b>
<b>Projection at Shutdown - License Termination Portion (Allocation based on TLG Study)</b>		<b>753,558,852</b>

**Turkey Point Nuclear Plant – Unit 4  
Florida Power and Light Company (FPL),  
Decommissioning Funding Status Report**

1. **The minimum decommissioning fund estimate pursuant to 10 CFR 50.75(b) and (c).**

Plant Owner (% Ownership)	NRC Minimum (a)
FPL (100%)	475,652,555

(a) Refer to Turkey Point Unit 4 for calculation assumptions

2. **The amount accumulated at the end of the calendar year preceding the date of the report. (Trust fund balance is net of taxes)**

	Total <sup>22</sup>
FPL (100%)	948,100,859

3. **Projected Funds at Shutdown (2% real rate of return).**

	Total
FPL (100%) (see note (b))	1,258,077,527

(b) Pursuant to Florida Public Service Commission (FPSC) Order No. PSC-16-0250-PAA-EI, customer contributions to the decommissioning trust remain at zero effective June 29, 2016.

4. **Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).**

None

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5. **Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report.**

None

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6. **Any material changes to trust agreements.**

None

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<sup>22</sup> NRC letter dated November 26, 2008, St. Lucie Plant, Unit Nos. 1 and 2 – Biennial Decommissioning Funding Report (TAC Nos. MD9354 and MD9355), directed FPL to report all funds within the trust as designated for radiological decommissioning purposes since FPL does not earmark each cost component of decommissioning within the trust. However, the trust includes non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the Florida Public Service Commission (FPSC). FPL understands that under NRC guidance, either an order of the FPSC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, Turkey Point Unit 4, allocates the trust account amounts by license termination, spent fuel management and site restoration costs based on assumptions from the decommissioning cost study filed in December 2015 with the FPSC.

**TURKEY POINT NUCLEAR PLANT - UNIT 4**  
**NRC Minimum Decommissioning Cost Determination**

NRC Minimum = \$98.27 million X (0.65L + 0.13E + 0.22B)

Where:

\$98.27 million is value for reference PWR in 1986 dollars

L = Labor escalation factor to current year<sup>24</sup>

E = Energy escalation factor to current year<sup>25</sup>

B = LLRW escalation factor to current year<sup>26</sup>

#	Item Description	Value
1	Labor escalation factor for Quarter 4, 2018 <sup>24</sup>	132.5
2	Base adjustment factor from NUREG-1307 <sup>23</sup>	1.98
3	Escalation factor from NUREG-1307	100
4	L = #1 times #2 divided by #3	2.62
5	Electric power escalation factor, 2018 <sup>27</sup>	240.2
6	Electric power escalation factor for Jan., 1986 from NUREG-1307	114.2
7	Fuel escalation factor for 2018 <sup>28</sup>	223.6
8	Fuel escalation factor for Jan., 1986 from NUREG-1307	82
9	P = #5 divided by #6	2.10
10	F = #7 divided by #8	2.73
11	E = 0.58P(#9) + 0.42F(#10) per NUREG-1307	2.37
12	Value of B from Table 2.1 of NUREG-1307 <sup>26</sup>	12.853
13	0.65L(#4) + 0.13E(#11) + 0.22B(#12)	4.84
14	1986 minimum-millions of dollars for PWR	98.27
15	2018 minimum-millions of dollars: #13 times #14	475.7

<sup>23</sup> NUREG 1307, Rev 17, Table 3.2

<sup>24</sup> NUREG 1307 specified that source is Bureau of Labor Statistics Data, Employment Cost Index, Series CIU201000000220I (South Region).

<sup>25</sup> NUREG 1307 specifies that source is a weighted calculation using Bureau of Labor Statistics Data, Producer Price Index-Commodities, Series wpu0573 (light fuel oils) and wpu0543 (industrial electric power).

<sup>26</sup> NUREG 1307 provides a value for B in Table 2.1.

<sup>27</sup> December 2018 value is 240.2 (See note #25) Information was preliminary as of 01/15/19.

<sup>28</sup> December 2018 value is 223.6 (See note #25) Information was preliminary as of 01/15/19.

## TURKEY POINT NUCLEAR PLANT - UNIT 4

The Turkey Point Unit 4 trust includes non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the Florida Public Service Commission (FPSC). FPL understands that under NRC guidance, either an order of the FPSC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, the data summarized below allocates the NRC license termination portion of the trust fund balance based upon percentages in FPL's most recent FPSC decommissioning cost study. Turkey Point Unit 4 is utilizing the formula method to demonstrate financial assurance pursuant to 10CFR 50.75(b).

<b>Florida Power and Light Company</b>		
<b>Decommissioning Trust Fund - License Termination Funds</b>		
<b>As of December 31, 2018</b>		
<b>TLG Cost Study (thousands of \$2015)</b>		<b>Turkey Point Unit 4</b>
License Termination		624,798
Spent Fuel Management		255,084
Site Restoration		53,633
<b>Total</b>		<b>933,515</b>
<b>Category %</b>		
License Termination		66.93%
Spent Fuel Management		27.33%
Site Restoration		5.75%
<b>Total</b>		<b>100%</b>
<b>Projected Trust Fund Balance at Shutdown</b>		<b>1,258,077,527</b>
<b>Projection at Shutdown - License Termination Portion (Allocation based on TLG Study)</b>		<b>842,026,451</b>

**Seabrook Station  
NextEra Energy Seabrook, LLC,  
Hudson Light and Power Department,  
Massachusetts Municipal Wholesale Electric Company,  
Taunton Municipal Lighting Plant  
Decommissioning Funding Status Report<sup>29</sup>**

**1. The minimum decommissioning fund estimate pursuant to 10 CFR 50.75(b) and (c).**

Plant Owner (% Ownership)	NRC Minimum (a)
NextEra Energy Seabrook, LLC. (88.22889%)	467,981,914
Hudson Light and Power Department (.07737%)	410,384
Massachusetts Municipal Wholesale Electric Company (11.5934%)	61,493,480
Taunton Municipal Lighting Plant (.10034%)	532,221
<b>Total</b>	<b>530,418,000</b>

**(a) Refer to Seabrook for calculation assumptions**

**2. The amount accumulated at the end of the calendar year preceding the date of the report. (Trust fund balances are net of taxes)**

	Total <sup>30</sup>
NextEra Energy Seabrook, LLC. (88.22889%)	625,374,110
Hudson Light and Power Department (.07737%)	551,959
Massachusetts Municipal Wholesale Electric Company (11.5934%)	61,431,124
Taunton Municipal Lighting Plant (.10034%)	720,042
<b>Total</b>	<b>688,077,235</b>

**3. Projected Funds at Shutdown (2% real rate of return).**

	Total
NextEra Energy Seabrook, LLC. (88.22889%)	1,246,867,218
Hudson Light and Power Department (.07737%)	1,100,493
Massachusetts Municipal Wholesale Electric Company (11.5934%)	122,481,014
Taunton Municipal Lighting Plant (.10034%)	1,435,615
<b>Total</b>	<b>1,371,884,340</b>

<sup>29</sup> The New Hampshire Nuclear Decommissioning Financing Committee (NDFC) was established under New Hampshire law to provide assurance of adequate funding for decommissioning of nuclear generating facilities. This was intended "to ensure proper and safe decommissioning and subsequent surveillance of nuclear reactor sites to the extent necessary to prevent such sites from constituting a hazard to future generations." RSA 162-F:1. The NDFC is responsible for determining the appropriate amount of money that needs to be set aside and maintained in a trust fund, for the purpose of decommissioning any nuclear facilities located in the state of New Hampshire.

<sup>30</sup> NRC letter dated November 26, 2008, St. Lucie Plant, Unit Nos. 1 and 2 – Biennial Decommissioning Funding Report (TAC Nos. MD9354 and MD9355), directed FPL to report all funds within the trust as designated for radiological decommissioning purposes since FPL does not earmark each cost component of decommissioning within the trust. The Seabrook trusts contain non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the NDFC. NextEra understands that under NRC guidance, either an order of the NDFC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, Seabrook allocates the trust account amounts by license termination, spent fuel management and site restoration costs based on assumptions from the decommissioning cost study filed in 2015 with the NDFC.



**Seabrook Station  
NextEra Energy Seabrook, LLC,  
Hudson Light and Power Department,  
Massachusetts Municipal Wholesale Electric Company,  
Taunton Municipal Lighting Plant  
Decommissioning Funding Status Report**

- |  |               |
|--|---------------|
| <b>4. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).</b>                                  | None<br><hr/> |
| <b>5. Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report.</b> | None<br><hr/> |
| <b>6. Any material changes to trust agreements.</b>  | None<br><hr/> |

**SEABROOK STATION**  
**NRC Minimum Decommissioning Cost Determination**

NRC Minimum = \$105 million X (0.65L + 0.13E + 0.22B)

Where:

\$105 million is value for reference PWR in 1986 dollars

L = Labor escalation factor to current year<sup>32</sup>

E = Energy escalation factor to current year<sup>33</sup>

B = LLRW escalation factor to current year<sup>34</sup>

#	Item Description	Value
1	Labor escalation factor for Quarter 4, 2018 <sup>32</sup>	136.5
2	Base adjustment factor from NUREG-1307 <sup>31</sup>	2.16
3	Escalation factor from NUREG-1307	100
4	L = #1 times #2 divided by #3	2.95
5	Electric power escalation factor, 2018 <sup>35</sup>	240.2
6	Electric power escalation factor for Jan., 1986 from NUREG-1307	114.2
7	Fuel escalation factor for 2018 <sup>36</sup>	223.6
8	Fuel escalation factor for Jan., 1986 from NUREG-1307	82
9	P = #5 divided by #6	2.10
10	F = #7 divided by #8	2.73
11	E = 0.58P(#9) + 0.42F(#10) per NUREG-1307	2.37
12	Value of B from Table 2.1 of NUREG-1307 <sup>34</sup>	12.853
13	0.65L(#4) + 0.13E(#11) + 0.22B(#12)	5.05
14	1986 minimum-millions of dollars for PWR	105
15	2018 minimum-millions of dollars: #13 times #14	530.4

<sup>31</sup> NUREG 1307, Rev 17, Table 3.2

<sup>32</sup> NUREG 1307 specified that source is Bureau of Labor Statistics Data, Employment Cost Index, and Series CIU2010000002101 (Northeast Region).

<sup>33</sup> NUREG 1307 specifies that source is a weighted calculation using Bureau of Labor Statistics Data, Producer Price Index-Commodities, Series wpu0573 (light fuel oils) and wpu0543 (industrial electric power).

<sup>34</sup> NUREG 1307 provides a value for B in Table 2.1.

<sup>35</sup> December 2018 value is 240.2 (See note #33) Information was preliminary as of 01/15/19.

<sup>36</sup> December 2018 value is 223.6 (See note #33) Information was preliminary as of 01/15/19.

## SEABROOK STATION

The Seabrook trusts contain non-earmarked funds for spent fuel management and site restoration purposes collected at the direction of the New Hampshire Decommissioning Financing Committee (NDFC). NextEra understands that under NRC guidance, either an order of the NDFC or an NRC exemption would be necessary to utilize the funds for these non-radiological purposes. For informational purposes only, the data summarized below allocates the trust account amounts by license termination, spent fuel management and site restoration costs based on assumptions from the decommissioning cost study filed in 2015 with the NDFC. Seabrook is utilizing the formula method to demonstrate financial assurance pursuant to 10CFR 50.75(b).

NextEra Energy Seabrook, LLC					
Decommissioning Trust Fund - License Termination Funds					
As of December 31, 2018					
TLG Cost Study Scenario 1 (thousands of \$2015)	Seabrook	NextEra	Hudson	MMWEC	Taunton
License Termination	647,542				
Spent Fuel Management	232,292				
Site Restoration	51,564				
<b>Total</b>	<b>931,398</b>				
<b>Component %</b>					
License Termination	69.52%				
Spent Fuel Management	24.94%				
Site Restoration	5.54%				
<b>Total</b>	<b>100%</b>				
<b>Projected Trust Fund Balance at Shutdown</b>	<b>1,371,884,340</b>	<b>1,246,867,218</b>	<b>1,100,493</b>	<b>122,481,014</b>	<b>1,435,615</b>
<b>Projection at Shutdown - License Termination Portion (Allocation based on TLG Study)</b>	<b>953,784,236</b>	<b>866,867,754</b>	<b>765,103</b>	<b>85,153,287</b>	<b>998,092</b>

**Point Beach Nuclear Plant – Unit 1  
NextEra Energy Point Beach, LLC (NextEra),  
Decommissioning Funding Status Report**

1. **The minimum decommissioning fund estimate pursuant to 10 CFR 50.75(b) and (c).**

	<b>NRC Minimum (a)</b>
NextEra (100%)	447,277,992

**(a) Refer to Point Beach Unit 1 for calculation assumptions.**

2. **The amount accumulated at the end of the calendar year preceding the date of the report. (Trust fund balance is net of taxes)**

	<b>Total</b>
NextEra (100%)	401,729,516

3. **Projected Funds at Shutdown (2% real rate of return).**

	<b>Total</b>
NextEra (100%) (see note (b))	544,878,255

**(b) Projection includes a pro-rata credit during the dismantlement period pursuant to 10CFR 50.75(e)(1)(ii).**

4. **Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).**

None

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5. **Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report.**

None

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6. **Any material changes to trust agreements.**

None

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**POINT BEACH NUCLEAR PLANT - UNIT 1**  
**NRC Minimum Decommissioning Cost Determination**

NRC Minimum = \$90.84 million X (0.65L + 0.13E + 0.22B)

Where:

\$90.84 million is value for reference PWR in 1986 dollars

L = Labor escalation factor to current year<sup>38</sup>

E = Energy escalation factor to current year<sup>39</sup>

B = LLRW escalation factor to current year<sup>40</sup>

#	Item Description	Value
1	Labor escalation factor for Quarter 4, 2018 <sup>44</sup>	132.3
2	Base adjustment factor from NUREG-1307 <sup>43</sup>	2.08
3	Escalation factor from NUREG-1307	100
4	L = #1 times #2 divided by #3	2.75
5	Electric power escalation factor, 2018 <sup>41</sup>	240.2
6	Electric power escalation factor for Jan., 1986 from NUREG-1307	114.2
7	Fuel escalation factor for 2018 <sup>42</sup>	223.6
8	Fuel escalation factor for Jan., 1986 from NUREG-1307	82
9	P = #5 divided by #6	2.10
10	F = #7 divided by #8	2.73
11	E = 0.58P(#9) + 0.42F(#10) per NUREG-1307	2.37
12	Value of B from Table 2.1 of NUREG-1307 <sup>46</sup>	12.853
13	0.65L(#4) + 0.13E(#11) + 0.22B(#12)	4.92
14	1986 minimum-millions of dollars for PWR	90.84
15	2018 minimum-millions of dollars: #13 times #14	477.3

<sup>37</sup> NUREG 1307, Rev 17, Table 3.2

<sup>38</sup> NUREG 1307 specified that source is Bureau of Labor Statistics Data, Employment Cost Index, Series CIU201000000230I (Midwest Region).

<sup>39</sup> NUREG 1307 specifies that source is a weighted calculation using Bureau of Labor Statistics Data, Producer Price Index-Commodities, Series wpu0573 (light fuel oils) and wpu0543 (industrial electric power).

<sup>40</sup> NUREG 1307 provides a value for B in Table 2.1.

<sup>41</sup> December 2018 value is 240.2 (See note #45) Information was preliminary as of 01/15/19.

<sup>42</sup> December 2018 value is 223.6 (See note #45) Information was preliminary as of 01/15/19.

**Point Beach Nuclear Plant – Unit 2  
NextEra Energy Point Beach, LLC (NextEra),  
Decommissioning Funding Status Report**

1. **The minimum decommissioning fund estimate pursuant to 10 CFR 50.75(b) and (c).**

	<b>NRC Minimum (a)</b>
NextEra (100%)	447,277,992

**(a) Refer to Point Beach Unit 2 for calculation assumptions.**

2. **The amount accumulated at the end of the calendar year preceding the date of the report. (Trust fund balance is net of taxes)**

	<b>Total</b>
NextEra (100%)	378,522,034

3. **Projected Funds at Shutdown (2% real rate of return).**

	<b>Total</b>
NextEra (100%) (see note (b))	538,507,257

**(b) Projection includes a pro-rata credit during the dismantlement period pursuant to 10CFR 50.75(e)(1)(ii).**

4. **Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v).**

None

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5. **Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report.**

None

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6. **Any material changes to trust agreements.**

None

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**POINT BEACH NUCLEAR PLANT - UNIT 2**  
**NRC Minimum Decommissioning Cost Determination**

NRC Minimum = \$90.84 million X (0.65L + 0.13E + 0.22B)

Where:

\$90.84 million is value for reference PWR in 1986 dollars

L = Labor escalation factor to current year<sup>44</sup>

E = Energy escalation factor to current year<sup>45</sup>

B = LLRW escalation factor to current year<sup>46</sup>

#	Item Description	Value
1	Labor escalation factor for Quarter 4, 2018 <sup>50</sup>	132.3
2	Base adjustment factor from NUREG-1307 <sup>49</sup>	2.08
3	Escalation factor from NUREG-1307	100
4	L = #1 times #2 divided by #3	2.75
5	Electric power escalation factor, 2018 <sup>47</sup>	240.2
6	Electric power escalation factor for Jan., 1986 from NUREG-1307	114.2
7	Fuel escalation factor for 2018 <sup>48</sup>	223.6
8	Fuel escalation factor for Jan., 1986 from NUREG-1307	82
9	P = #5 divided by #6	2.10
10	F = #7 divided by #8	2.73
11	E = 0.58P(#9) + 0.42F(#10) per NUREG-1307	2.37
12	Value of B from Table 2.1 of NUREG-1307 <sup>52</sup>	12.853
13	0.65L(#4) + 0.13E(#11) + 0.22B(#12)	4.92
14	1986 minimum-millions of dollars for PWR	90.84
15	2018 minimum-millions of dollars: #13 times #14	447.3

<sup>43</sup> NUREG 1307, Rev 17, Table 3.2

<sup>44</sup> NUREG 1307 specified that source is Bureau of Labor Statistics Data, Employment Cost Index, Series CIU201000000230I (Midwest Region).

<sup>45</sup> NUREG 1307 specifies that source is a weighted calculation using Bureau of Labor Statistics Data, Producer Price Index-Commodities, Series wpu0573 (light fuel oils) and wpu0543 (industrial electric power).

<sup>46</sup> NUREG 1307 provides a value for B in Table 2.1.

<sup>47</sup> December 2018 value is 240.2 (See note #51) Information was preliminary as of 01/15/19.

<sup>48</sup> December 2018 value is 223.6 (See note #51) Information was preliminary as of 01/15/19.

**Enclosure 2**

Independent Spent Fuel Storage Installation (ISFSI)  
Decommissioning Financial Assurance Update  
10 CFR 72.30(c)



**ISFSI Decommissioning Financial Assurance Update  
10 CFR 72.30(c)**

Site-specific ISFSI decommissioning cost estimates were submitted with the Decommissioning Funding Status Reports dated March 30, 2017. The site-specific studies remain valid for technological and status changes, but have been escalated to account for inflation. The following table adjusts the current ISFSI Decommissioning Funding Plans to 2018 dollars.

Site	Trust Balance as of 12/31/18 (\$Thousands)	Projected 10 CFR 50.75 Decommissioning Trust Fund Value (\$Thousands)	NRC Minimum Amount per 10 CFR 50.75(b) (\$Thousands)	Decommissioning Trust Fund Value Surplus (\$Thousands)	ISFSI Decommissioning Cost Estimate (\$Thousands)
St. Lucie Unit 1	1,016,753	1,428,729	491,668	937,060	4,970
St. Lucie Unit 2 - FPL	860,942	1,392,456	418,432	974,024	4,230
St. Lucie Unit 2 - FMPA	81,873	132,418	43,296	89,122	438
St. Lucie Unit 2 - OUC	42,228	68,298	29,940	38,358	303
Turkey Point Unit 3	839,232	1,097,719	475,653	622,066	4,064
Turkey Point Unit 4	948,101	1,258,078	475,653	782,425	4,064
Seabrook - NextEra	625,374	1,246,867	467,982	778,885	5,166
Seabrook - MMWEC	61,431	122,481	61,493	60,988	679
Seabrook - Tauton	720	1,436	532	903	6
Seabrook - Hudson	552	1,100	410	690	5

The following tables supplement the 2015/2016 ISFSI decommissioning funding plans to address new information that may affect the previously submitted reports in accordance with 10 CFR 72.30(c)(1-4).

<b>Turkey Point (Florida Power and Light Company)</b>	
Spills of radioactive material producing additional residual radioactivity in onsite subsurface material	None
Facility modifications	None
Changes in authorized possession limits	None
Actual remediation costs that exceed previous cost estimate	None
<b>St. Lucie (Florida Power and Light Company)</b>	
Spills of radioactive material producing additional residual radioactivity in onsite subsurface material	None
Facility modifications	None
Changes in authorized possession limits	None
Actual remediation costs that exceed previous cost estimate	None
<b>Seabrook (NextEra Energy Seabrook, LLC)</b>	
Spills of radioactive material producing additional residual radioactivity in onsite subsurface material	None
Facility modifications	None
Changes in authorized possession limits	None
Actual remediation costs that exceed previous cost estimate	None
<b>Point Beach (NextEra Energy Point Beach, LLC)</b>	
Spills of radioactive material producing additional residual radioactivity in onsite subsurface material	None
Facility modifications	None
Changes in authorized possession limits	None
Actual remediation costs that exceed previous cost estimate	None