

State of Florida



## Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD  
TALLAHASSEE, FLORIDA 32399-0850

**-M-E-M-O-R-A-N-D-U-M-**

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**DATE:** May 23, 2016  
**TO:** Carlotta Stauffer, Commission Clerk, Office of Commission Clerk  
**FROM:** <sup>D.H.</sup> Devlin Higgins, Public Utility Analyst III, Division of Economics  
**RE:** 150265-EI - Petition for approval of 2015 Nuclear Decommissioning Study, by Florida Power & Light Company.

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Would you be so kind as to add the attached data request response, titled FPL's Responses to Florida Public Service Commission Staff's Second Data Request, Nos. 1-14, in the above referenced docket file. Please advise if there are any questions or concerns. Thank you very much.

RECEIVED-FPSC  
2016 MAY 23 PM 12:33  
COMMISSION  
CLERK

QUESTION:

For the purposes of the following request, please refer to Florida Power & Light's (FPL) response to Staff's First Data Request, No. 8.

- a. Does this response indicate that FPL (or the State of Florida) must apply to join the Texas Low-Level Radioactive Waste Disposal Compact in order to dispose of waste at the Waste Control Specialists (WCS) facility in Texas?
- b. Does FPL anticipate applying to join the Texas Low-Level Radioactive Waste Disposal Compact?

RESPONSE:

a. No. Non-party states (or other waste generators outside of Texas) can enter into a contractual agreement to dispose waste in Texas with the Texas Low-Level Radioactive Waste Disposal Compact Commission for the importation of waste pursuant to Title 31 of the Texas Administrative Code, Part 21, Chapter 675, Rule §675.23 – "Importation of Waste from a Non-Party Generator for Disposal." This contractual arrangement does not amount to "joining the Compact."

b. No, only states can form a compact. In 1980 and 1985, Congress enacted the Low-Level Radioactive Waste Policy Act (P.L. 96-573) and the Low-Level Radioactive Waste Policy Amendments Act of 1985 (P.L. 99-240). The Act encouraged states to form regional compacts for the disposal of low-level radioactive waste. The Texas Compact has only two members, Texas and Vermont.

QUESTION:

Please refer to FPL's response to Staff's First Data Request, No. 11. Please confirm that FPL's 2015 decommissioning cost analysis of both the Turkey Point and St. Lucie Plants assumes site restoration to a level in which the NRC will release both sites for unrestricted use.

RESPONSE:

Yes, it is assumed, for purposes of the decommissioning cost estimate, that the sites will be remediated to levels permitting unrestricted use as per 10 CFR 20.1402:

“A site will be considered acceptable for unrestricted use if the residual radioactivity that is distinguishable from background radiation results in a TEDE [Total Effective Dose Equivalent] to an average member of the critical group that does not exceed 25 mrem (0.25 mSv) per year, including that from groundwater sources of drinking water, and the residual radioactivity has been reduced to levels that are as low as reasonably achievable (ALARA). Determination of the levels which are ALARA must take into account consideration of any detriments, such as deaths from transportation accidents, expected to potentially result from decontamination and waste disposal.”

QUESTION:

Please refer to FPL's response to Staff's First Data Request, No. 20. In the response it is written that "[t]he most significant change was in the addition of campaign costs (in the 2015 estimate) for off-loading the fuel stored at the ISFSI to the DOE. These costs were not included in the 2010 estimate."

- a. Please elaborate on why the costs were not included in the 2010 estimate, and are now first appearing in the 2015 estimate.
- b. What is the typical weight of a single fuel assembly used in the Turkey Point and St. Lucie reactors (a single figure is sufficient if there is no material difference in fuel assembly weights)?

RESPONSE:

a. The 2010 estimate used a simplified assumption that the DOE could load the dry fuel storage containers (DSCs) from the horizontal storage modules (HSMs) located on the ISFSI pad directly into their transportation cask at a nominal cost and with the available plant resources. The 2015 estimate is more comprehensive in that it includes the additional cost for the dry fuel storage contractor to support each campaign (e.g., costs associated with contractor mobilization and demobilization, receipt and acceptance of the DOE transportation cask at the plant's security boundary, preparation of the cask to accept the DSC, remote extraction of the DSC from the HSM, placing the DSC within the transportation cask, sealing the cask, performing the required surveys and safety validations and transferring the cask back to the DOE or DOE representative at the plant's security entrance for off-site disposition).

b. The average weight for a single assembly at St. Lucie is 1,280 pounds for Unit 1 and 1,303 pounds for Unit 2 (from Table 4.2-1 of the Final Safety Analysis Report (FSAR)). The average weight for a single assembly at Turkey Point is 1,037 pounds for Units 3 and 4 (derived from the total weight of the fuel and total number of assemblies in Table 3.2.3-1 of the FSAR).

**QUESTION:**

Please refer to FPL's response to Staff's First Data Request, No. 21. In the response it is written that "TLG's experience has revealed that previously assumed high waste packaging densities were not cost effective" in discussing Low-Level Radioactive Waste (LLRW) packaging costs/volumes. Please elaborate on why high waste packaging densities are not considered cost effective for the purposes of FPL's 2015 decommissioning cost analysis.

**RESPONSE:**

The change in the waste packaging density assumption, in TLG's cost model, is not unique to the decommissioning cost analyses prepared for FPL. The lower packaging density assumption has been introduced into TLG-prepared decommissioning cost analyses for the industry over the past few years. TLG reviews lessons-learned from sites that have undergone decommissioning (as provided in industry sponsored publications, conference proceedings, NRC reports, and/or from informal discussions with licensees and other personnel involved in decommissioning activities) for relevance in decommissioning planning for future reactors. Through this review process, TLG learned that lower packaging density at another nuclear site was not cost effective, and the industry was not loading waste containers to the densities previously assumed by TLG. TLG believed that this experience should be recognized in the planning for future reactors, including FPL's, and modified its cost estimating model accordingly.

QUESTION:

Please refer to FPL's response to Staff's First Data Request, Nos. 23, 30, and 37. It is alluded in FPL's response to No. 23 that the company is planning to use certain soil/earthen material that has accumulated at the Turkey Point (TP) site for construction of a waste facility expansion.

- a. Please elaborate on the waste facility being referred to here.
- b. Please elaborate on the origin of this soil/earthen material. As in, what were the "past construction projects" that are referred to?
- c. Will the soil in question be removed from the TP site before end-of-life/plant removal of Units 3 and 4?
- d. If the response to (c.) is affirmative, will the costs associated with the soil in question be removed from future studies? Please explain.
- e. If the response to (d.) is affirmative, will the Florida LLRW Inspection Fees corresponding to the additional soils/earthen material (FPL's response to No. 30) also be reduced in future studies?
- f. If the response to (d.) is affirmative, will the transportation costs corresponding to the additional soils/earthen material (FPL's response to No. 37) also be reduced in future studies?

RESPONSE:

- a. The soil referenced in FPL's response to Staff's First Data Request No. 23 was used as fill for the low level waste (LLW) storage facility expansion.
- b. The soil was generated primarily from clean-up activities associated with two events in the late 1980s caused by a spent fuel pump malfunction and an overflowing of the Spent Fuel Pool.
- c. No.
- d. N/A
- e. N/A
- f. N/A

QUESTION:

Please refer to FPL's response to Staff's First Data Request, No. 27.

- a. Please identify the updated (un-rounded) TP Units 3 and 4 estimated decommissioning cost figure as a result of the difference in assumed property taxes identified in this response.
- b. Please submit an updated DECON Cost Summary schedule as found on Page xix of xx, of the Decommissioning Cost Analysis of Turkey Point Nuclear Plant, Units 3 and 4 (in 2015 Dollars) to account for the correction in property tax values.
- c. Please submit an updated Schedule of Total Annual Expenditures (Table 3.1) as found in Section 3, Page 23 of 60, of the Decommissioning Cost Analysis of Turkey Point Nuclear Plant, Units 3 and 4 (in 2015 Dollars) to account for the correction in property tax values.
- d. Please submit an updated inflation and funding analysis support schedule (i.e. support schedule G) for the TP Units with updated cost figures.
- e. Please submit the Excel file associated with the company's response to subpart (d.), with cells unlocked and formulas intact.

RESPONSE:

- a. See Attachment No. 1 to this response.
- b. See Attachment No. 1 to this response.
- c. See Attachment No. 1 to this response.
- d. See Attachment Nos. 2 and 3 to this response.
- e. See Attachment Nos. 2 and 3 to this response.

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TURKEY POINT NUCLEAR PLANTS, UNITS 3 AND 4

DECON COST SUMMARY  
 DECOMMISSIONING COST ELEMENTS  
 (thousands of 2015 dollars)

	Unit 3	Unit 4	Total	%
Decontamination	9,740	13,084	22,823	1.3
Removal	80,064	102,184	182,248	10.3
Packaging	23,942	24,604	48,546	2.7
Transportation	24,571	26,349	50,920	2.9
Waste Disposal	74,770	79,418	154,188	8.7
Off-site Waste Processing	11,931	14,971	26,902	1.5
Program Management [1]	275,531	296,650	572,181	32.2
Site Security	110,389	120,897	231,286	13.0
Spent Fuel Pool Isolation	12,750	8,500	21,250	1.2
Spent Fuel (Direct Expenditures) [2]	129,241	160,116	289,358	16.3
Insurance and Regulatory Fees	24,247	22,102	46,349	2.6
Energy	19,874	20,714	40,588	2.3
Characterization and Licensing Surveys	20,350	16,956	37,306	2.1
Property Taxes	202	143	345	0.0
Miscellaneous Equipment / Site Services	7,084	7,595	14,679	0.8
Fixed Overhead	15,565	14,078	29,643	1.7
INPO , NEI Fees	3,954	3,665	7,619	0.4
Florida LLRW Inspection Fee	515	560	1,074	0.1
<b>Total [3]</b>	<b>844,720</b>	<b>932,585</b>	<b>1,777,305</b>	<b>100.0</b>
NRC License Termination	579,926	624,325	1,204,251	67.8
Spent Fuel Management	224,133	254,631	478,765	26.9
Site Restoration	40,661	53,629	94,289	5.3



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**Table 3.1**  
**Turkey Point Plant Unit 3**  
**DECON ALTERNATIVE**  
**SCHEDULE OF TOTAL ANNUAL EXPENDITURES**  
**(thousands, 2015 Dollars)**

Year	Labor	Equipment & Materials	Energy	LLKW Disposal	Other	Yearly Totals
2032	28,412	2,135	1,527	20	3,640	35,734
2033	73,622	14,646	4,886	9,666	19,712	122,532
2034	68,433	27,016	3,374	27,889	18,076	144,788
2035	56,613	24,006	2,874	17,835	13,718	115,046
2036	44,616	20,657	2,526	6,159	9,820	83,777
2037	44,494	20,601	2,519	6,142	9,793	83,549
2038	18,133	4,396	843	3,071	5,994	32,438
2039	15,851	1,603	410	20	4,177	22,062
2040	15,457	6,423	386	4	1,603	23,873
2041	14,070	7,122	336	0	1,138	22,666
2042	3,261	884	17	0	1,137	5,299
2043	2,701	560	0	0	1,137	4,398
2044	2,708	561	0	0	1,141	4,410
2045	2,701	560	0	0	1,137	4,398
2046	2,701	560	0	0	1,137	4,398
2047	2,701	560	0	0	1,137	4,398
2048	2,708	561	0	0	1,141	4,410
2049	2,701	560	0	0	1,137	4,398
2050	2,701	560	0	0	1,137	4,398
2051	2,701	560	0	0	1,137	4,398
2052	2,708	561	0	0	1,141	4,410
2053	2,701	560	0	0	1,137	4,398
2054	2,701	560	0	0	1,137	4,398
2055	2,701	560	0	0	1,137	4,398
2056	2,708	561	0	0	1,141	4,410
2057	2,701	560	0	0	1,137	4,398
2058	2,701	560	0	0	1,137	4,398
2059	2,701	560	0	0	1,137	4,398
2060	2,708	561	0	0	1,141	4,410
2061	2,701	560	0	0	1,137	4,398
2062	2,701	560	0	0	1,137	4,398
2063	2,701	560	0	0	1,137	4,398
2064	2,708	561	0	0	1,141	4,410
2065	2,701	560	0	0	1,137	4,398
2066	2,701	560	0	0	1,137	4,398
2067	2,701	560	0	0	1,137	4,398
2068	2,708	561	0	0	1,141	4,410
2069	2,701	560	0	0	1,137	4,398
2070	2,701	560	0	0	1,137	4,398
2071	2,701	560	0	0	1,137	4,398
2072	2,701	1,767	0	0	16,129	20,597
2073	788	717	177	907	2,138	4,727
	464,827	148,222	19,874	71,714	140,082	844,720

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**Table 3.1a**  
**Turkey Point Plant Unit 3**  
**DECON ALTERNATIVE**  
**LICENSE TERMINATION EXPENDITURES**  
**(thousands, 2015 Dollars)**

Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals
2032	27,693	881	1,527	20	2,864	32,986
2033	71,308	11,240	4,886	9,666	18,005	115,105
2034	64,297	22,378	3,374	27,889	16,587	134,525
2035	51,943	14,261	2,874	17,835	12,240	99,153
2036	39,389	5,167	2,526	6,159	8,338	61,579
2037	39,281	5,153	2,519	6,142	8,315	61,410
2038	17,819	3,461	843	3,071	5,394	30,587
2039	15,523	618	410	20	3,616	20,187
2040	3,436	139	98	4	546	4,223
2041	120	0	0	0	0	120
2042	6	0	0	0	0	6
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
2052	0	0	0	0	0	0
2053	0	0	0	0	0	0
2054	0	0	0	0	0	0
2055	0	0	0	0	0	0
2056	0	0	0	0	0	0
2057	0	0	0	0	0	0
2058	0	0	0	0	0	0
2059	0	0	0	0	0	0
2060	0	0	0	0	0	0
2061	0	0	0	0	0	0
2062	0	0	0	0	0	0
2063	0	0	0	0	0	0
2064	0	0	0	0	0	0
2065	0	0	0	0	0	0
2066	0	0	0	0	0	0
2067	0	0	0	0	0	0
2068	0	0	0	0	0	0
2069	0	0	0	0	0	0
2070	0	0	0	0	0	0
2071	0	0	0	0	0	0
2072	0	1,227	0	0	14,987	16,214
2073	502	198	121	907	2,105	3,832
	331,315	64,721	19,178	71,714	92,999	579,926

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**Table 3.1b**  
**Turkey Point Plant Unit 3**  
**DECON ALTERNATIVE**  
**SPENT FUEL MANAGEMENT EXPENDITURES**  
**(2015 Dollars)**

Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals
2032	418	1,254	0	0	776	2,448
2033	1,135	3,406	0	0	1,707	6,248
2034	1,509	4,528	0	0	1,489	7,527
2035	3,227	9,682	0	0	1,478	14,387
2036	5,162	15,487	0	0	1,482	22,130
2037	5,148	15,444	0	0	1,478	22,070
2038	312	936	0	0	601	1,848
2039	329	986	0	0	561	1,875
2040	2,441	907	0	0	1,055	4,404
2041	2,778	853	0	0	1,136	4,766
2042	2,705	574	0	0	1,137	4,416
2043	2,701	560	0	0	1,137	4,398
2044	2,708	561	0	0	1,141	4,410
2045	2,701	560	0	0	1,137	4,398
2046	2,701	560	0	0	1,137	4,398
2047	2,701	560	0	0	1,137	4,398
2048	2,708	561	0	0	1,141	4,410
2049	2,701	560	0	0	1,137	4,398
2050	2,701	560	0	0	1,137	4,398
2051	2,701	560	0	0	1,137	4,398
2052	2,708	561	0	0	1,141	4,410
2053	2,701	560	0	0	1,137	4,398
2054	2,701	560	0	0	1,137	4,398
2055	2,701	560	0	0	1,137	4,398
2056	2,708	561	0	0	1,141	4,410
2057	2,701	560	0	0	1,137	4,398
2058	2,701	560	0	0	1,137	4,398
2059	2,701	560	0	0	1,137	4,398
2060	2,708	561	0	0	1,141	4,410
2061	2,701	560	0	0	1,137	4,398
2062	2,701	560	0	0	1,137	4,398
2063	2,701	560	0	0	1,137	4,398
2064	2,708	561	0	0	1,141	4,410
2065	2,701	560	0	0	1,137	4,398
2066	2,701	560	0	0	1,137	4,398
2067	2,701	560	0	0	1,137	4,398
2068	2,708	561	0	0	1,141	4,410
2069	2,701	560	0	0	1,137	4,398
2070	2,701	560	0	0	1,137	4,398
2071	2,701	560	0	0	1,137	4,398
2072	2,701	540	0	0	1,141	4,382
2073	0	0	0	0	0	0
	106,241	70,846	0	0	47,047	224,133

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**Table 3.1c**  
**Turkey Point Plant Unit 3**  
 DECON Site Restoration Category Cash Flows - Decommissioning at License Expiration  
 SITE RESTORATION EXPENDITURES  
 (2015 Dollars)

Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals
2032	300	0	0	0	0	300
2033	1,180	0	0	0	0	1,180
2034	2,627	109	0	0	0	2,736
2035	1,443	63	0	0	0	1,506
2036	65	4	0	0	0	69
2037	65	4	0	0	0	69
2038	3	0	0	0	0	3
2039	0	0	0	0	0	0
2040	9,581	5,376	288	0	2	15,247
2041	11,172	6,270	336	0	2	17,780
2042	551	309	17	0	0	877
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
2052	0	0	0	0	0	0
2053	0	0	0	0	0	0
2054	0	0	0	0	0	0
2055	0	0	0	0	0	0
2056	0	0	0	0	0	0
2057	0	0	0	0	0	0
2058	0	0	0	0	0	0
2059	0	0	0	0	0	0
2060	0	0	0	0	0	0
2061	0	0	0	0	0	0
2062	0	0	0	0	0	0
2063	0	0	0	0	0	0
2064	0	0	0	0	0	0
2065	0	0	0	0	0	0
2066	0	0	0	0	0	0
2067	0	0	0	0	0	0
2068	0	0	0	0	0	0
2069	0	0	0	0	0	0
2070	0	0	0	0	0	0
2071	0	0	0	0	0	0
2072	0	0	0	0	0	0
2073	286	520	56	0	33	894
	27,272	12,655	697	0	37	40,661

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TABLE 3.2  
**Turkey Point Plant Unit 4**  
 DECON ALTERNATIVE  
 SCHEDULE OF TOTAL ANNUAL EXPENDITURES  
 (thousands, 2015 Dollars)

Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals
2033	39,827	2,120	2,448	32	5,426	49,852
2034	58,461	11,951	5,574	12,532	16,736	105,254
2035	71,208	21,823	3,191	26,959	16,670	139,850
2036	68,713	25,459	2,886	18,839	13,934	129,832
2037	65,432	29,501	2,519	9,368	10,698	117,517
2038	60,958	30,083	2,248	8,524	9,867	111,681
2039	33,230	14,419	933	2,236	5,267	56,085
2040	17,608	7,980	386	4	1,745	27,723
2041	16,283	8,763	336	0	1,339	26,721
2042	3,445	1,187	17	0	1,147	5,795
2043	2,779	794	0	0	1,137	4,709
2044	2,786	796	0	0	1,140	4,722
2045	2,779	794	0	0	1,137	4,709
2046	2,779	794	0	0	1,137	4,709
2047	2,779	794	0	0	1,137	4,709
2048	2,786	796	0	0	1,140	4,722
2049	2,779	794	0	0	1,137	4,709
2050	2,779	794	0	0	1,137	4,709
2051	2,779	794	0	0	1,137	4,709
2052	2,786	796	0	0	1,140	4,722
2053	2,779	794	0	0	1,137	4,709
2054	2,779	794	0	0	1,137	4,709
2055	2,779	794	0	0	1,137	4,709
2056	2,786	796	0	0	1,140	4,722
2057	2,779	794	0	0	1,137	4,709
2058	2,779	794	0	0	1,137	4,709
2059	2,779	794	0	0	1,137	4,709
2060	2,786	796	0	0	1,140	4,722
2061	2,779	794	0	0	1,137	4,709
2062	2,779	794	0	0	1,137	4,709
2063	2,779	794	0	0	1,137	4,709
2064	2,786	796	0	0	1,140	4,722
2065	2,779	794	0	0	1,137	4,709
2066	2,779	794	0	0	1,137	4,709
2067	2,779	794	0	0	1,137	4,709
2068	2,786	796	0	0	1,140	4,722
2069	2,779	794	0	0	1,137	4,709
2070	2,779	794	0	0	1,137	4,709
2071	2,779	794	0	0	1,137	4,709
2072	2,776	1,992	0	0	16,125	20,894
2073	788	717	177	907	2,138	4,727
	519,363	179,029	20,714	79,402	134,078	932,585

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TABLE 3.2a  
**Turkey Point Plant Unit 4**  
 DECON ALTERNATIVE  
 LICENSE TERMINATION EXPENDITURES  
 (thousands, 2015 Dollars)

Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals
2033	39,385	1,411	2,448	32	4,182	47,457
2034	57,653	11,677	5,574	12,532	15,045	102,481
2035	67,380	21,664	3,191	26,959	15,193	134,386
2036	63,008	14,712	2,886	18,839	12,341	111,787
2037	57,597	6,611	2,519	9,368	8,980	85,073
2038	52,915	6,426	2,248	8,524	8,415	78,529
2039	29,389	2,896	933	2,236	4,706	40,160
2040	3,584	151	98	4	515	4,352
2041	51	0	0	0	0	51
2042	3	0	0	0	0	3
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
2052	0	0	0	0	0	0
2053	0	0	0	0	0	0
2054	0	0	0	0	0	0
2055	0	0	0	0	0	0
2056	0	0	0	0	0	0
2057	0	0	0	0	0	0
2058	0	0	0	0	0	0
2059	0	0	0	0	0	0
2060	0	0	0	0	0	0
2061	0	0	0	0	0	0
2062	0	0	0	0	0	0
2063	0	0	0	0	0	0
2064	0	0	0	0	0	0
2065	0	0	0	0	0	0
2066	0	0	0	0	0	0
2067	0	0	0	0	0	0
2068	0	0	0	0	0	0
2069	0	0	0	0	0	0
2070	0	0	0	0	0	0
2071	0	0	0	0	0	0
2072	0	1,227	0	0	14,987	16,214
2073	502	198	121	907	2,105	3,832
	371,466	66,973	20,017	79,402	86,467	624,325

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TABLE 3.2b  
**Turkey Point Plant Unit 4**  
 DECON ALTERNATIVE  
 SPENT FUEL MANAGEMENT EXPENDITURES  
 (2015 Dollars)

Year	Labor	Equipment & Materials	Energy	LLKW Disposal	Other	Yearly Totals
2033	236	709	0	0	1,244	2,189
2034	88	264	0	0	1,692	2,044
2035	0	0	0	0	1,478	1,478
2036	3,529	10,588	0	0	1,482	15,599
2037	7,578	22,734	0	0	1,478	31,789
2038	7,845	23,536	0	0	1,266	32,648
2039	3,841	11,523	0	0	561	15,924
2040	2,252	341	0	0	897	3,490
2041	2,504	31	0	0	951	3,486
2042	2,765	756	0	0	1,128	4,649
2043	2,779	794	0	0	1,137	4,709
2044	2,786	796	0	0	1,140	4,722
2045	2,779	794	0	0	1,137	4,709
2046	2,779	794	0	0	1,137	4,709
2047	2,779	794	0	0	1,137	4,709
2048	2,786	796	0	0	1,140	4,722
2049	2,779	794	0	0	1,137	4,709
2050	2,779	794	0	0	1,137	4,709
2051	2,779	794	0	0	1,137	4,709
2052	2,786	796	0	0	1,140	4,722
2053	2,779	794	0	0	1,137	4,709
2054	2,779	794	0	0	1,137	4,709
2055	2,779	794	0	0	1,137	4,709
2056	2,786	796	0	0	1,140	4,722
2057	2,779	794	0	0	1,137	4,709
2058	2,779	794	0	0	1,137	4,709
2059	2,779	794	0	0	1,137	4,709
2060	2,786	796	0	0	1,140	4,722
2061	2,779	794	0	0	1,137	4,709
2062	2,779	794	0	0	1,137	4,709
2063	2,779	794	0	0	1,137	4,709
2064	2,786	796	0	0	1,140	4,722
2065	2,779	794	0	0	1,137	4,709
2066	2,779	794	0	0	1,137	4,709
2067	2,779	794	0	0	1,137	4,709
2068	2,786	796	0	0	1,140	4,722
2069	2,779	794	0	0	1,137	4,709
2070	2,779	794	0	0	1,137	4,709
2071	2,779	794	0	0	1,137	4,709
2072	2,776	765	0	0	1,138	4,679
2073	0	0	0	0	0	0
	114,052	94,281	0	0	46,298	254,631

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TABLE 3.2C  
**Turkey Point Plant Unit 4**  
 DECON Site Restoration Category Cash Flows - Decommissioning at License Expiration  
**SITE RESTORATION EXPENDITURES**  
 (2015 Dollars)

Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals
2033	206	0	0	0	0	206
2034	719	10	0	0	0	730
2035	3,827	159	0	0	0	3,987
2036	2,175	158	0	0	112	2,446
2037	257	157	0	0	241	655
2038	198	121	0	0	185	504
2039	0	0	0	0	0	0
2040	11,772	7,488	288	0	333	19,881
2041	13,728	8,732	336	0	388	23,184
2042	677	431	17	0	19	1,143
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
2052	0	0	0	0	0	0
2053	0	0	0	0	0	0
2054	0	0	0	0	0	0
2055	0	0	0	0	0	0
2056	0	0	0	0	0	0
2057	0	0	0	0	0	0
2058	0	0	0	0	0	0
2059	0	0	0	0	0	0
2060	0	0	0	0	0	0
2061	0	0	0	0	0	0
2062	0	0	0	0	0	0
2063	0	0	0	0	0	0
2064	0	0	0	0	0	0
2065	0	0	0	0	0	0
2066	0	0	0	0	0	0
2067	0	0	0	0	0	0
2068	0	0	0	0	0	0
2069	0	0	0	0	0	0
2070	0	0	0	0	0	0
2071	0	0	0	0	0	0
2072	0	0	0	0	0	0
2073	286	520	56	0	33	894
	33,845	17,775	697	0	1,312	53,629



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Florida Power & Light Company  
2015 Decommissioning Study  
Support Schedule : Inflation and Funding Analysis

Support Schedule G  
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**INFLATION FORECAST**

The U.S. Economy  
30 Year Outlook (AUG 2015)  
GLOBAL INSIGHT

YEAR	GDP	HRLY COMP	PPI INT M&S	GDP Transport	Burial	CPI	CPI	
							MULTIPLIER	
2015	1.1%	2.1%	-7.3%	4.8%	3.0%	-0.2%		1.000
2016	1.7%	3.1%	-0.6%	4.8%	3.0%	2.0%		1.020
2017	1.8%	3.5%	2.2%	4.7%	3.0%	2.5%		1.046
2018	1.8%	3.7%	2.1%	3.8%	3.0%	2.6%		1.073
2019	1.9%	3.8%	1.7%	3.0%	3.0%	2.5%		1.100
2020	2.0%	3.8%	0.6%	2.6%	3.0%	2.7%		1.129
2021	2.1%	3.8%	1.0%	2.5%	3.0%	2.3%		1.155
2022	2.1%	3.9%	1.6%	2.5%	3.0%	2.6%		1.185
2023	2.1%	3.9%	1.5%	2.4%	3.0%	2.6%		1.216
2024	2.1%	3.9%	1.1%	2.3%	3.0%	2.5%		1.247
2025	2.1%	3.9%	0.7%	2.3%	3.0%	2.4%		1.277
2026	2.1%	3.9%	0.5%	2.5%	3.0%	2.3%		1.307
2027	2.1%	3.9%	0.7%	3.0%	3.0%	2.3%		1.338
2028	2.1%	3.9%	0.8%	3.4%	3.0%	2.3%		1.369
2029	2.1%	3.9%	0.7%	3.8%	3.0%	2.3%		1.400
2030	2.2%	3.9%	0.6%	3.9%	3.0%	2.3%		1.432
2031	2.2%	3.9%	0.8%	4.0%	3.0%	2.3%		1.466
2032	2.2%	3.9%	0.6%	4.3%	3.0%	2.3%		1.500
2033	2.2%	3.9%	0.6%	4.5%	3.0%	2.3%		1.535
2034	2.3%	3.9%	0.7%	4.6%	3.0%	2.4%		1.571
2035	2.2%	3.9%	0.6%	4.7%	3.0%	2.4%		1.608
2036	2.2%	3.9%	0.7%	4.8%	3.0%	2.3%		1.646
2037	2.2%	3.9%	0.7%	4.8%	3.0%	2.4%		1.685
2038	2.3%	3.9%	0.8%	4.8%	3.0%	2.4%		1.725
2039	2.3%	3.9%	0.8%	4.9%	3.0%	2.5%		1.768
2040	2.3%	3.9%	0.8%	4.9%	3.0%	2.4%		1.811
2041	2.3%	4.0%	0.8%	4.9%	3.0%	2.4%		1.855
2042	2.3%	3.9%	0.8%	4.8%	3.0%	2.5%		1.901
2043	2.3%	3.9%	0.8%	4.8%	3.0%	2.5%		1.948
2044	2.4%	3.9%	0.9%	4.9%	3.0%	2.5%		1.996
2045	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.046
2046	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.097
2047	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.149
2048	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.203
2049	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.258
2050	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.314
2051	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.371
2052	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.430
2053	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.491
2054	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.553
2055	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.616
2056	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.682
2057	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.748
2058	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.817
2059	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.887
2060	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		2.959
2061	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.032
2062	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.108
2063	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.185
2064	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.265
2065	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.346
2066	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.429
2067	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.514
2068	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.602
2069	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.692
2070	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.784
2071	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.878
2072	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		3.974
2073	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		4.073
2074	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		4.175
2075	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		4.279
2076	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		4.385
2077	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		4.494
2078	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		4.606
2079	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		4.721
2080	2.4%	3.9%	0.8%	5.0%	3.0%	2.5%		4.838

2.45% = AVERAGE COMPOUND CPI INFLATION MULTILPLIER 2016-2074

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**Florida Power & Light Company**  
**2015 Decommissioning Study**  
**Support Schedule : Inflation and Funding Analysis**

**Support Schedule G**  
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**GENERAL ASSUMPTIONS**

JURISDICTIONAL FACTOR =		94.6310%			
FPL'S SHARE OF ST. LUCIE 2 COST (NET OF PARTICIPANTS)		85.14933%			
CORPORATE TAX RATE		38.575%			
			ANNUAL	MONTHLY	
EARNINGS RATE QUALIFIED FUND			3.700%	0.303225%	
EARNINGS RATE NON-QUALIFIED FUND			3.700%	0.303225%	
	TP3	TP4	SL1	SL2	
Adjusted QUALIFIED FUNDING % (at 12/31/15)	59.438%	61.045%	67.811%	79.827%	
<b>FUND BALANCES (\$000's)</b>					
A. QUALIFIED FUND BALANCE 11/30/15	429,259	491,842	556,078	508,541	
B. CONTRIBUTIONS - Dec 2015	-	-	-	-	
C. EARNINGS - Dec 2015	1,445	1,655	1,871	1,710	
D. QUALIFIED FUND BALANCE 12/31/15	430,704	493,497	557,949	510,251	
E. JURISDICTIONAL FACTOR	94.6310%	94.6310%	94.6310%	94.6310%	
F. JURIS. QUAL. FUND BAL. 12/31/15	407,579	467,001	527,993	482,855	
A. NON-QUALIFIED FUND BALANCE 11/30/15	180,034	192,892	162,225	78,981	
B. CONTRIBUTIONS - Dec 2015	-	-	-	-	
C. EARNINGS - Dec 2015	507	544	457	223	
D. NON-QUALIFIED FUND BALANCE 12/31/15	180,542	193,436	162,682	79,205	
E. JURISDICTIONAL FACTOR	94.6310%	94.6310%	94.6310%	94.6310%	
F. JURIS. NON-QUAL. FUND BAL. 12/31/15	170,848	183,050	153,948	74,952	
	Juris. Est/Actual Fund Balance	578,428	650,052	681,941	557,807
	Juris. Est/Actual Reserve Balance	685,721	765,008	778,621	604,877
	Adjusted/Actual Qualified spli	0.5944	0.6105	0.6781	0.7983



Turkey Point Nuclear Plant, Unit 3 DECON							Turkey Point Nuclear Plant, Unit 3 DECON						
Costs Recovered for Spent Fuel Management (Thousands, 2015 dollars)							Costs Recovered for Spent Fuel Management (Thousands, Future dollars)						
Year	Equipment & Materials	LLRW	Energy	Disposal	Other	Yearly Totals	Year	Equipment & Materials	Transport	Burial	Other	Yearly Totals	
2032						2032						2032	
2033	418	1,554	-	-	25	2,007	2033	820	1,689	-	-	2,509	
2034	1,115	1,406	-	-	36	4,961	2034	2,115	4,073	-	-	6,188	
2035	1,509	4,528	-	-	36	6,084	2035	3,199	5,433	-	-	8,632	
2036	3,227	9,662	-	-	36	12,964	2036	7,104	11,756	-	-	18,860	
2037	5,162	15,487	-	-	36	20,701	2037	11,817	18,903	-	-	30,720	
2038	5,148	15,444	-	-	36	20,649	2038	12,248	18,995	-	-	31,243	
2039	312	998	-	-	36	1,346	2039	731	1,160	-	-	1,891	
2040	519	1,596	-	-	36	2,151	2040	1,043	1,544	-	-	2,587	
2041	502	1,507	-	-	36	2,045	2041	1,043	1,544	-	-	2,587	
2042	504	1,512	-	-	36	2,052	2042	1,043	1,544	-	-	2,587	
2043	2,542	7,626	-	-	36	10,204	2043	4,744	7,364	-	-	12,108	
2044	2,701	8,104	-	-	36	10,841	2044	5,106	7,733	-	-	12,839	
2045	2,708	8,112	-	-	36	10,856	2045	5,112	7,739	-	-	12,851	
2046	2,701	8,104	-	-	36	10,841	2046	5,106	7,733	-	-	12,839	
2047	2,701	8,104	-	-	36	10,841	2047	5,106	7,733	-	-	12,839	
2048	2,701	8,104	-	-	36	10,841	2048	5,106	7,733	-	-	12,839	
2049	2,701	8,104	-	-	36	10,841	2049	5,106	7,733	-	-	12,839	
2050	2,701	8,104	-	-	36	10,841	2050	5,106	7,733	-	-	12,839	
2051	2,701	8,104	-	-	36	10,841	2051	5,106	7,733	-	-	12,839	
2052	2,701	8,104	-	-	36	10,841	2052	5,106	7,733	-	-	12,839	
2053	2,701	8,104	-	-	36	10,841	2053	5,106	7,733	-	-	12,839	
2054	2,701	8,104	-	-	36	10,841	2054	5,106	7,733	-	-	12,839	
2055	2,701	8,104	-	-	36	10,841	2055	5,106	7,733	-	-	12,839	
2056	2,701	8,104	-	-	36	10,841	2056	5,106	7,733	-	-	12,839	
2057	2,701	8,104	-	-	36	10,841	2057	5,106	7,733	-	-	12,839	
2058	2,701	8,104	-	-	36	10,841	2058	5,106	7,733	-	-	12,839	
2059	2,701	8,104	-	-	36	10,841	2059	5,106	7,733	-	-	12,839	
2060	2,701	8,104	-	-	36	10,841	2060	5,106	7,733	-	-	12,839	
2061	2,701	8,104	-	-	36	10,841	2061	5,106	7,733	-	-	12,839	
2062	2,701	8,104	-	-	36	10,841	2062	5,106	7,733	-	-	12,839	
2063	2,701	8,104	-	-	36	10,841	2063	5,106	7,733	-	-	12,839	
2064	2,701	8,104	-	-	36	10,841	2064	5,106	7,733	-	-	12,839	
2065	2,701	8,104	-	-	36	10,841	2065	5,106	7,733	-	-	12,839	
2066	2,701	8,104	-	-	36	10,841	2066	5,106	7,733	-	-	12,839	
2067	2,701	8,104	-	-	36	10,841	2067	5,106	7,733	-	-	12,839	
2068	2,701	8,104	-	-	36	10,841	2068	5,106	7,733	-	-	12,839	
2069	2,701	8,104	-	-	36	10,841	2069	5,106	7,733	-	-	12,839	
2070	2,701	8,104	-	-	36	10,841	2070	5,106	7,733	-	-	12,839	
2071	2,701	8,104	-	-	36	10,841	2071	5,106	7,733	-	-	12,839	
2072	2,701	8,104	-	-	36	10,841	2072	5,106	7,733	-	-	12,839	
2073	2,701	8,104	-	-	36	10,841	2073	5,106	7,733	-	-	12,839	
2074	2,701	8,104	-	-	36	10,841	2074	5,106	7,733	-	-	12,839	
2075	2,701	8,104	-	-	36	10,841	2075	5,106	7,733	-	-	12,839	
2076	2,701	8,104	-	-	36	10,841	2076	5,106	7,733	-	-	12,839	
2077	2,701	8,104	-	-	36	10,841	2077	5,106	7,733	-	-	12,839	
2078	2,701	8,104	-	-	36	10,841	2078	5,106	7,733	-	-	12,839	
2079	2,701	8,104	-	-	36	10,841	2079	5,106	7,733	-	-	12,839	
2080	2,701	8,104	-	-	36	10,841	2080	5,106	7,733	-	-	12,839	
2081	2,701	8,104	-	-	36	10,841	2081	5,106	7,733	-	-	12,839	
2082	2,701	8,104	-	-	36	10,841	2082	5,106	7,733	-	-	12,839	
2083	2,701	8,104	-	-	36	10,841	2083	5,106	7,733	-	-	12,839	
2084	2,701	8,104	-	-	36	10,841	2084	5,106	7,733	-	-	12,839	
2085	2,701	8,104	-	-	36	10,841	2085	5,106	7,733	-	-	12,839	
2086	2,701	8,104	-	-	36	10,841	2086	5,106	7,733	-	-	12,839	
2087	2,701	8,104	-	-	36	10,841	2087	5,106	7,733	-	-	12,839	
2088	2,701	8,104	-	-	36	10,841	2088	5,106	7,733	-	-	12,839	
2089	2,701	8,104	-	-	36	10,841	2089	5,106	7,733	-	-	12,839	
2090	2,701	8,104	-	-	36	10,841	2090	5,106	7,733	-	-	12,839	
2091	2,701	8,104	-	-	36	10,841	2091	5,106	7,733	-	-	12,839	
2092	2,701	8,104	-	-	36	10,841	2092	5,106	7,733	-	-	12,839	
2093	2,701	8,104	-	-	36	10,841	2093	5,106	7,733	-	-	12,839	
2094	2,701	8,104	-	-	36	10,841	2094	5,106	7,733	-	-	12,839	
2095	2,701	8,104	-	-	36	10,841	2095	5,106	7,733	-	-	12,839	
2096	2,701	8,104	-	-	36	10,841	2096	5,106	7,733	-	-	12,839	
2097	2,701	8,104	-	-	36	10,841	2097	5,106	7,733	-	-	12,839	
2098	2,701	8,104	-	-	36	10,841	2098	5,106	7,733	-	-	12,839	
2099	2,701	8,104	-	-	36	10,841	2099	5,106	7,733	-	-	12,839	
2100	2,701	8,104	-	-	36	10,841	2100	5,106	7,733	-	-	12,839	
2101	2,701	8,104	-	-	36	10,841	2101	5,106	7,733	-	-	12,839	
2102	2,701	8,104	-	-	36	10,841	2102	5,106	7,733	-	-	12,839	
2103	2,701	8,104	-	-	36	10,841	2103	5,106	7,733	-	-	12,839	
2104	2,701	8,104	-	-	36	10,841	2104	5,106	7,733	-	-	12,839	
2105	2,701	8,104	-	-	36	10,841	2105	5,106	7,733	-	-	12,839	
2106	2,701	8,104	-	-	36	10,841	2106	5,106	7,733	-	-	12,839	
2107	2,701	8,104	-	-	36	10,841	2107	5,106	7,733	-	-	12,839	
2108	2,701	8,104	-	-	36	10,841	2108	5,106	7,733	-	-	12,839	
2109	2,701	8,104	-	-	36	10,841	2109	5,106	7,733	-	-	12,839	
2110	2,701	8,104	-	-	36	10,841	2110	5,106	7,733	-	-	12,839	
2111	2,701	8,104	-	-	36	10,841	2111	5,106	7,733	-	-	12,839	
2112	2,701	8,104	-	-	36	10,841	2112	5,106	7,733	-	-	12,839	
2113	2,701	8,104	-	-	36	10,841	2113	5,106	7,733	-	-	12,839	
2114	2,701	8,104	-	-	36	10,841	2114	5,106	7,733	-	-	12,839	
2115	2,701	8,104	-	-	36	10,841	2115	5,106	7,733	-	-	12,839	
2116	2,701	8,104	-	-	36	10,841	2116	5,106	7,733	-	-	12,839	
2117	2,701	8,104	-	-	36	10,841	2117	5,106	7,733	-	-	12,839	
2118	2,701	8,104	-	-	36	10,841	2118	5,106	7,733	-	-	12,839	
2119	2,701	8,104	-	-	36	10,841	2119	5,106	7,733	-	-	12,839	
2120	2,701	8,104	-	-	36	10,841	2120	5,106	7,733	-	-	12,839	
2121	2,701	8,104	-	-	36	10,841	2121	5,106	7,733	-	-	12,839	
2122	2,701	8,104	-	-	36	10,841	2122	5,106	7,733	-	-	12,839	
2123	2,701	8,104	-	-	36	10,841	2123	5,106	7,733	-	-	12,839	
2124	2,701	8,104	-	-	36	10,841	2124	5,106	7,733	-	-	12,839	
2125	2,701	8,104	-	-	36	10,841	2125	5,106	7,733	-	-	12,839	
2126	2,701	8,104	-	-	36	10,841	2126	5,106	7,733	-	-	12,839	
2127	2,701	8,104	-	-	36	10,841	2127	5,106	7,733	-	-	12,839	
2128	2,701	8,104	-	-	36	10,841	2128	5,106	7,733	-	-	12,839	
2129	2,701	8,104	-	-	36	10,841	2129	5,106	7,733	-	-	12,839	
2130	2,701	8,104	-	-	36	10,841	2130	5,106	7,733	-	-	12,839	
2131	2,701	8,104	-	-	36	10,841	2131	5,106	7,733	-	-	12,839	
2132	2,701	8,104	-	-	36	10,841	2132	5,106	7,733	-	-	12,839	
2133	2,701	8,104	-	-	36	10,841	2133	5,106	7,733	-	-	12,839	
2134	2,701	8,104	-	-	36	10,841	2134	5,106	7,733	-	-	12,839	
2135	2,701	8,104	-	-	36	10,841	2135	5,106	7,733	-	-	12,839	
2136	2,701	8,104	-	-	36	10,841	2136	5,106	7,733	-	-	12,839	
2137	2,701	8,104	-	-	36	10,841	2137	5,106	7,733	-	-	12,839	
2138	2,701	8,104	-	-	36	10,841	213						

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**TURKEY POINT UNIT 3**

EARNING RATE QUALIFIED FUND	NOMINAL ANNUAL	NOMINAL MONTHLY
EARNING RATE NON-QUALIFIED FUND	3.700%	0.302225%
CORPORATE TAX RATE	38.575%	
PL'S SHARE OF COST (NET OF PARTICIPANTS)	100.000%	
JURISDICTIONAL FACTOR	94.8310%	
Adjusted QUALIFIED %	59.435%	

LICENSE ENDS  
 MONTHS TO FUND

YEAR	CURVE	ESTIMATED COST IN (\$2011)	ESTIMATED COST IN (\$2011)	ESTIMATED DOE RECOVERY (\$)	NET (\$)	JURISDICTIONAL AMOUNT (\$)	QUALIFIED AMOUNT (\$)	NON-QUAL AMOUNT (\$)	TAX SAVINGS (\$)	PV @ 3.7%	PV @ 3.7%
										QUALIFIED AMOUNT	NON-QUAL AMOUNT
2012	4.2933%	35,733,977	63,975,520	-	63,975,520	60,540,675	35,984,215	15,083,806	9,472,654	19,403,192	8,133,399
2013	4.057%	22,532,156	21,561,814	1,246,398	21,521,718	20,100,376	119,958,454	50,283,993	31,576,428	62,373,294	26,146,414
2014	3.7440%	144,788,426	253,865,363	6,473,359	247,392,004	234,110,095	139,150,546	58,328,903	36,830,646	69,773,184	29,247,412
2015	3.6195%	115,046,227	207,507,734	8,737,142	198,770,592	188,098,599	111,802,196	46,865,066	29,431,338	54,059,896	22,660,741
2016	3.5178%	83,777,489	155,162,887	16,931,142	138,231,745	128,917,273	76,625,952	32,119,944	20,171,377	35,720,094	14,976,864
2017	3.4007%	62,348,588	109,706,869	30,851,444	78,855,425	72,494,562	42,494,562	20,389,800	15,084,546	32,568,408	13,664,549
2018	3.2840%	42,437,919	66,207,537	31,334,673	34,872,864	33,000,540	19,614,887	8,222,137	5,163,515	8,500,002	3,561,113
2019	2.6118%	22,282,388	48,105,254	24,209,300	46,284,946	43,799,908	26,033,424	10,912,817	6,853,387	10,885,490	4,562,261
2020	2.082%	23,873,373	51,440,833	1,023,889	48,419,944	45,819,406	27,244,175	11,415,978	7,169,533	10,981,087	4,603,034
2021	2.6832%	22,665,790	49,419,149	3,775,159	45,643,990	43,136,365	25,673,307	10,761,896	6,758,362	9,982,381	4,184,399
2022	0.6273%	5,299,028	12,237,566	3,880,721	8,356,845	7,908,166	4,700,462	1,970,332	1,237,372	1,762,439	798,776
2023	0.5207%	4,398,156	10,572,713	3,257,116	7,315,597	7,008,229	3,982,205	76,796	60,238	66,242	27,767
2024	0.5214%	4,410,206	10,965,159	10,935,199	29,958	26,351	16,851	7,064	4,436	5,876	1,463
2025	0.5207%	4,398,156	11,310,578	11,341,566	(30,988)	(29,324)	(17,430)	(7,306)	(4,588)	(5,960)	(2,457)
2026	0.5207%	4,398,156	11,699,779	11,699,779	-	-	-	-	-	-	-
2027	0.5207%	4,398,156	12,103,327	12,103,327	-	-	-	-	-	-	-
2028	0.5211%	4,410,206	12,536,073	12,521,767	34,306	32,464	19,298	8,089	5,080	5,818	2,439
2029	0.5207%	4,398,156	12,955,665	12,991,160	(35,495)	(33,589)	(19,365)	(8,369)	(5,260)	(6,805)	(2,433)
2030	0.5207%	4,398,156	13,405,608	13,405,608	-	-	-	-	-	-	-
2031	0.5207%	4,398,156	13,872,208	13,872,208	-	-	-	-	-	-	-
2032	0.5211%	4,410,206	14,395,429	14,356,097	39,332	37,220	22,123	9,279	5,824	5,768	2,418
2033	0.5207%	4,398,156	14,957,935	14,998,642	(40,707)	(38,521)	(22,886)	(9,598)	(6,237)	(7,571)	(2,431)
2034	0.5207%	4,398,156	15,578,465	15,578,465	-	-	-	-	-	-	-
2035	0.5207%	4,398,156	16,251,217	16,251,217	-	-	-	-	-	-	-
2036	0.5211%	4,410,206	16,978,828	16,978,828	-	-	-	-	-	-	-
2037	0.5207%	4,398,156	17,761,229	17,761,229	-	-	-	-	-	-	-
2038	0.5207%	4,398,156	18,654,079	18,654,079	-	-	-	-	-	-	-
2039	0.5211%	4,410,206	19,663,132	19,663,132	-	-	-	-	-	-	-
2040	0.5207%	4,398,156	20,800,654	20,800,654	-	-	-	-	-	-	-
2041	0.5207%	4,398,156	22,074,187	22,074,187	-	-	-	-	-	-	-
2042	0.5207%	4,398,156	23,498,929	23,498,929	-	-	-	-	-	-	-
2043	0.5211%	4,410,206	25,078,713	25,078,713	-	-	-	-	-	-	-
2044	0.5207%	4,398,156	26,828,539	26,828,539	-	-	-	-	-	-	-
2045	0.5207%	4,398,156	28,765,519	28,765,519	-	-	-	-	-	-	-
2046	0.5207%	4,398,156	30,908,639	30,908,639	-	-	-	-	-	-	-
2047	0.5207%	4,398,156	33,278,913	33,278,913	-	-	-	-	-	-	-
2048	0.5211%	4,410,206	35,900,406	35,900,406	-	-	-	-	-	-	-
2049	0.5207%	4,398,156	38,809,169	38,809,169	-	-	-	-	-	-	-
2050	0.5207%	4,398,156	42,040,117	42,040,117	-	-	-	-	-	-	-
2051	0.5207%	4,398,156	45,735,255	45,735,255	-	-	-	-	-	-	-
2052	0.5211%	4,410,206	50,041,217	50,041,217	-	-	-	-	-	-	-
2053	0.5207%	4,398,156	55,128,106	55,128,106	-	-	-	-	-	-	-
2054	0.5207%	4,398,156	61,170,933	61,170,933	-	-	-	-	-	-	-
2055	0.5207%	4,398,156	68,441,815	68,441,815	-	-	-	-	-	-	-
2056	0.5211%	4,410,206	77,285,415	77,285,415	-	-	-	-	-	-	-
2057	0.5207%	4,398,156	88,114,880	88,114,880	-	-	-	-	-	-	-
2058	0.5207%	4,398,156	100,849,544	100,849,544	-	-	-	-	-	-	-
2059	0.5207%	4,398,156	115,735,314	115,735,314	-	-	-	-	-	-	-
2060	0.5211%	4,410,206	133,449,479	133,449,479	-	-	-	-	-	-	-
2061	0.5207%	4,398,156	154,809,654	154,809,654	-	-	-	-	-	-	-
2062	0.5207%	4,398,156	181,737,187	181,737,187	-	-	-	-	-	-	-
2063	0.5207%	4,398,156	216,074,929	216,074,929	-	-	-	-	-	-	-
2064	0.5211%	4,410,206	262,578,713	262,578,713	-	-	-	-	-	-	-
2065	0.5207%	4,398,156	325,575,519	325,575,519	-	-	-	-	-	-	-
2066	0.5207%	4,398,156	403,639,639	403,639,639	-	-	-	-	-	-	-
2067	0.5207%	4,398,156	503,639,639	503,639,639	-	-	-	-	-	-	-
2068	0.5211%	4,410,206	635,421,790	635,421,790	-	-	-	-	-	-	-
2069	0.5207%	4,398,156	805,976,793	805,976,793	-	-	-	-	-	-	-
2070	0.5207%	4,398,156	1,028,485,451	1,028,485,451	-	-	-	-	-	-	-
2071	0.5207%	4,398,156	1,319,845,415	1,319,845,415	-	-	-	-	-	-	-
2072	2.4831%	20,598,590	84,311,480	84,311,480	-	-	-	-	-	-	-
2073	0.5366%	4,726,930	23,453,514	23,453,514	-	-	-	-	-	-	-
100.0000%		\$ 184,718,758	\$ 1,909,304,879	\$ 1,913,134,126	\$ 1,844,800,849	\$ 1,474,190,385	\$ 876,133,850	\$ 367,338,383	\$ 230,680,730	\$ 348,689,021	\$ 146,070,762

QUALIFIED	NON-QUAL	TOTAL
\$ 148,489,703	\$ 140,767,787	\$ 289,257,490
407,578,294	170,848,432	578,426,726
(\$ 191,108,083)	(\$ 24,777,670)	(\$ 215,885,753)

NPV @12/31/15  
 LESS BALANCE @ 12/31/15  
 PV OF FUNDING REQUIREMENTS

MONTHLY FUNDING REQUIREMENT  
 ANNUAL FUNDING REQUIREMENT  
 MONTHLY ACCRUAL  
 ANNUAL ACCRUAL

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**TURKEY POINT UNIT 4**

EARNING RATE QUALIFIED FUND	NOMINAL ANNUAL	NOMINAL MONTHLY
EARNING RATE NON-QUALIFIED FUND	3.700%	0.302225%
CORPORATE TAX RATE	38.575%	
PL'S SHARE OF COST (NET OF PARTICIPANTS)	100.000%	
JURISDICTIONAL FACTOR	94.8310%	
Adjusted QUALIFIED %	61.043%	

LICENSE ENDS  
 MONTHS TO FUND

YEAR	CURVE	ESTIMATED COST IN (\$2011)	ESTIMATED COST IN (\$2011)	ESTIMATED DOE RECOVERY (\$)	NET (\$)	JURISDICTIONAL AMOUNT (\$)	QUALIFIED AMOUNT (\$)	NON-QUAL AMOUNT (\$)	TAX SAVINGS (\$)	PV @ 3.7%	PV @ 3.7%
										QUALIFIED AMOUNT	NON-QUAL AMOUNT
2012	3.5456%	48,852,115	92,977,131	-	92,977,131	87,985,189	53,710,831	21,053,024	13,121,334	27,938,284	10,947,044
2013	3.2867%	106,284,249	190,753,374	1,930,933	188,822,441	175,197,464	109,393,846	43,878,223	26,927,524	54,851,409	23,500,097
2014	3.1955%	139,869,857	257,371,954	589,224	256,782,730	242,996,264	146,133,699	58,145,801	36,514,464	71,722,967	28,114,414
2015	3.1921%	129,831,626	244,746,457	86,529	244,659,928	231,523,758	141,334,394	55,398,616	34,790,547	65,901,299	25,831,320
2016	3.1621%	117,517,479	226,109,128	12,094,403	204,015,725	194,007,475	118,432,464	46,421,951	29,153,061	37,252,220	20,873,282
2017	3.1195%	111,686,741	219,225,642	46,081,631	173,144,011	164,011,428	100,414,284	39,359,368	24,717,147	43,599,566	17,264,104
2018	3.0139%	96,098,776	175,325,710	36,415,270	138,910,440	130,503,500	74,863,060	45,708,387	17,913,172	11,495,510	5,120,638
2019	2.9727%	77,272,974	139,157,117	3,731,961	135,425,157	124,499,380	72,017,886	42,550,045	7,881,489	12,909,926	5,060,301
2020	2.8853%	76,721,206	137,748,443	2,783,550	134,964,893	124,807,002	72,040,853	42,550,045	7,881,489	12,909,926	5,060,301
2021	0.6211%	5,794,656									

ST. LUCIE UNIT 1

EARNINGS RATE QUALIFIED FUND  
 EARNINGS RATE NON-QUALIFIED FUND

	NOMINAL ANNUAL	NOMINAL MONTHLY
EARNINGS RATE QUALIFIED FUND	3.700%	0.308229%
EARNINGS RATE NON-QUALIFIED FUND	3.700%	0.308229%

CORPORATE TAX RATE

38.575%

FPL'S SHARE OF COST (NET OF PARTICIPANTS)  
 JURISDICTIONAL FACTOR

100.000%  
 84.8310%

Adjusted QUALIFIED % 67.831%

LICENSE ENDS 3/1/2038  
 MONTHS TO FUND 242.5

YEAR	SPENDING CURVE	ESTIMATED COST IN (\$2015)	ESTIMATED COST IN RECOVERY (\$2015)	DOE RECOVERY (\$2015)	NET JURISDICTIONAL AMOUNT	QUALIFIED AMOUNT	NON-QUAL AMOUNT	TAX SAVINGS	PV @		
									3.7%	3.7%	
2036	5.9570%	\$ 55,677,172	\$ 112,297,241	\$ -	\$ 112,297,241	\$ 106,328,539	\$ 72,055,341	\$ 21,009,315	\$ 13,193,884	\$ 33,597,912	\$ 9,796,208
2037	7.7313%	72,279,105	140,693,306	9,570,182	131,069,124	124,027,023	84,107,778	24,523,467	15,400,777	37,818,432	11,026,793
2038	3.6190%	33,830,439	62,224,031	9,784,277	53,439,753	50,570,573	34,292,584	9,998,755	6,279,234	14,869,241	4,335,453
2039	3.6190%	33,830,439	65,149,611	29,986,734	41,162,876	36,952,241	26,414,444	7,701,710	4,836,687	11,044,634	3,220,325
2040	3.6290%	33,923,125	67,328,110	24,480,515	42,847,595	40,547,108	27,495,538	8,016,927	5,034,643	11,086,470	3,232,504
2041	3.0452%	28,461,642	57,365,155	25,060,832	32,304,324	30,569,904	20,729,862	6,044,246	3,795,796	8,060,254	2,350,144
2042	3.9010%	37,768,054	34,703,886	22,544,047	12,158,841	11,506,033	7,802,395	2,274,939	1,428,678	3,025,510	851,996
2043	3.9010%	37,768,054	35,691,185	16,979,744	18,711,441	17,706,824	12,007,255	3,500,973	2,198,616	4,341,480	1,265,854
2044	3.2898%	30,707,761	83,053,501	17,352,311	65,699,190	62,171,800	42,159,531	12,292,536	7,719,753	14,669,814	4,286,053
2045	7.7895%	72,803,995	191,437,696	5,968,456	185,469,240	175,483,007	118,997,381	34,696,296	21,783,330	40,010,567	11,665,958
2046	12.0311%	112,448,465	291,123,301	1,087,692	290,035,609	274,463,597	186,117,446	54,066,673	34,079,528	60,345,604	17,595,004
2047	10.6821%	99,539,375	273,503,831	1,115,445	272,388,386	257,746,611	174,793,640	50,964,919	31,006,052	54,651,920	15,934,965
2048	9.4095%	87,946,092	256,450,573	1,915,909	254,534,665	240,368,642	163,336,256	47,624,268	29,908,118	49,247,437	14,359,170
2049	5.8968%	55,140,587	170,574,651	2,732,159	167,842,492	158,811,028	107,705,450	31,403,886	19,721,692	33,135,544	9,130,734
2050	3.0175%	28,202,705	83,516,600	5,807,662	76,708,938	72,590,435	49,224,548	14,352,496	9,013,391	15,801,467	4,024,120
2051	5.9287%	70,944,642	79,944,646	10,211,515	69,733,131	65,961,140	44,748,121	12,047,296	8,188,723	12,990,724	3,527,848
2052	0.5829%	5,448,162	16,679,285	10,950,677	5,728,609	5,471,040	3,676,080	1,071,842	678,118	958,453	279,458
2053	0.5017%	4,689,559	14,860,578	14,860,578	77,417	73,260	49,679	14,485	9,097	12,860	3,642
2054	0.5017%	4,689,559	15,382,724	15,382,724	-	-	-	-	-	-	-
2055	0.5017%	4,689,559	15,900,258	15,900,258	-	-	-	-	-	-	-
2056	0.5031%	4,702,407	16,487,925	16,442,876	45,049	42,630	28,908	8,429	5,299	6,518	1,900
2057	0.5017%	4,689,559	17,002,302	17,048,883	46,582	44,081	29,822	8,716	5,473	6,499	1,895
2058	0.5017%	4,689,559	17,582,285	17,582,285	-	-	-	-	-	-	-
2059	0.5017%	4,689,559	18,183,608	18,183,608	-	-	-	-	-	-	-
2060	0.5031%	4,702,407	18,858,605	18,807,779	51,626	48,760	33,065	9,641	6,054	6,446	1,880
2061	0.5017%	4,689,559	19,453,440	19,506,817	53,297	50,436	34,201	9,922	6,263	6,430	1,875
2062	0.5017%	4,689,559	20,123,865	20,123,865	-	-	-	-	-	-	-
2063	0.5017%	4,689,559	20,818,962	20,818,962	-	-	-	-	-	-	-
2064	0.5031%	4,702,407	21,588,785	-	21,588,785	20,439,147	13,860,059	4,041,204	2,537,883	2,336,717	683,321
2065	0.5017%	4,689,559	22,287,276	-	22,287,276	21,060,673	14,301,668	4,170,023	2,618,781	2,325,171	677,955
2066	0.5017%	4,689,559	23,061,489	-	23,061,489	21,824,264	14,799,296	4,315,063	2,709,870	2,320,200	676,505
2067	0.5017%	4,689,559	23,866,469	-	23,866,469	22,658,078	15,315,244	4,663,496	2,804,338	2,315,414	675,110
2068	0.5031%	4,702,407	24,767,983	-	24,767,983	23,438,190	15,893,751	4,634,172	2,910,267	2,317,340	675,613
2069	0.5017%	4,689,559	25,665,155	-	25,665,155	24,192,582	16,405,301	4,783,325	3,003,916	2,306,383	674,476
2070	0.5017%	4,689,559	26,465,185	-	26,465,185	25,041,413	16,900,920	4,951,163	3,109,338	2,301,230	673,237
2071	0.5017%	4,689,559	27,300,630	-	27,300,630	25,923,920	17,376,001	5,125,352	3,218,666	2,298,048	670,046
2072	0.5031%	4,702,407	28,183,459	-	28,183,459	26,908,759	18,247,190	5,320,388	3,341,200	2,300,419	670,738
2073	0.5017%	4,689,559	29,109,000	-	29,109,000	27,922,632	19,197,500	5,561,252	3,476,154	2,302,668	670,268
2074	0.5031%	4,702,407	29,279,786	-	29,279,786	28,229,786	19,115,209	5,281,895	3,317,033	2,313,711	670,216
100.000%	\$ 944,648,631	\$ 2,596,084,378	\$ 384,188,778	\$ 2,172,877,594	\$ 2,055,246,988	\$ 1,983,785,803	\$ 406,365,493	\$ 255,158,193	\$ 131,212,511	\$ 430,639,840	\$ 125,579,887

	QUALIFIED	NON-QUAL	TOTAL
NPV @ 12/31/15	\$ 491,899,848	\$ 125,379,847	\$ 617,279,695
LESS BALANCE @ 12/31/15	\$ 372,995,021	\$ 153,847,945	\$ 526,842,966
PV OF FUNDING REQUIREMENTS	\$ (87,283,172)	\$ (28,347,858)	\$ (115,631,030)
MONTHLY FUNDING REQUIREMENT	-	-	-
ANNUAL FUNDING REQUIREMENT	-	-	-
MONTHLY ACCRUAL	-	-	-
ANNUAL ACCRUAL	-	-	-

ST. LUCIE UNIT 2

EARNINGS RATE QUALIFIED FUND  
 EARNINGS RATE NON-QUALIFIED FUND

	NOMINAL ANNUAL	NOMINAL MONTHLY
EARNINGS RATE QUALIFIED FUND	3.700%	0.308229%
EARNINGS RATE NON-QUALIFIED FUND	3.700%	0.308229%

CORPORATE TAX RATE

38.575%

FPL'S SHARE OF COST (NET OF PARTICIPANTS)  
 JURISDICTIONAL FACTOR

85.149%  
 84.8310%

Adjusted QUALIFIED % 78.827%

LICENSE ENDS 4/9/2043  
 MONTHS TO FUND 327.5

YEAR	SPENDING CURVE	ESTIMATED COST IN (\$2015)	ESTIMATED COST IN RECOVERY (\$2015)	DOE RECOVERY (\$2015)	NET JURISDICTIONAL AMOUNT	QUALIFIED AMOUNT	NON-QUAL AMOUNT	TAX SAVINGS	PV @		
									3.7%	3.7%	
2043	6.8950%	\$ 60,112,866	\$ 157,623,248	\$ -	\$ 157,623,248	\$ 127,014,644	\$ 101,391,414	\$ 18,738,003	\$ 9,888,914	\$ 35,602,310	\$ 9,690,667
2044	14.9992%	101,731,660	327,914,646	10,967,895	316,946,751	255,388,284	203,886,692	31,645,910	19,873,683	71,081,129	11,034,017
2045	15.9933%	139,434,565	350,990,370	11,397,267	339,593,103	273,636,186	218,435,436	33,907,051	21,793,689	73,444,690	11,400,599
2046	13.2423%	115,458,151	298,706,869	10,611,348	288,095,521	232,140,638	185,110,809	28,765,226	18,604,609	60,080,263	9,323,664
2047	11.2360%	97,958,778	260,174,103	24,188,186	236,005,917	190,377,895	153,972,638	23,506,248	14,814,712	47,516,582	7,379,553
2048	10.9090%	95,073,535	261,750,692	34,549,372	227,201,320	183,073,514	146,142,012	22,685,173	14,146,327	44,003,209	6,839,796
2049	5.3684%	45,991,583	143,720,888	33,794,217	109,926,671	87,770,550	70,064,557	10,875,506	6,830,286	20,371,390	3,162,188
2050	3.3663%	31,902,485	95,046,863	9,946,512	85,100,351	68,587,828	54,751,575	8,498,919	5,337,235	15,351,123	2,182,308
2051	5.5333%	30,800,119	94,593,459	2,539,252	92,054,207	74,175,160	59,211,764	9,193,260	5,772,126	16,029,316	2,485,077
2052	0.6333%	5,538,471	17,537,407	23,188,462	15,218,945	12,263,070	9,789,236	1,519,553	954,282	2,552,318	396,188
2053	0.5333%	4,666,499	15,270,487	14,888,309	382,178	307,960	245,827	38,159	23,964	61,807	9,594
2054	0.5333%	4,666,499	15,795,377	15,795,377	-	-	-	-	-	-	-
2055	0.5333%	4,666,499	16,339,611	16,339,611	-	-	-	-	-	-	-
2056	0.5367%	4,679,283	16,952,237	16,903,935	46,312	37,317	29,789	4,624	2,904	6,716	1,043
2057	0.5333%	4,666,499	17,499,082	17,536,997	(47,915)	(38,609)	(30,620)	(4,784)	(3,004)	(6,701)	(1,040)
2058	0.5333%	4,666,499	18,099,873	18,099,873	-	-	-	-	-	-	-
2059	0.5333%	4,666,499	18,725,123	18,725,123	-	-	-	-	-	-	-
2060	0.5367%	4,679,283	19,400,775	19,377,685	53,090	42,778	34,149	5,301	3,329	6,658	1,033
2061	0.5333%	4,666,499	20,044,448	20,109,392	(64,944)	(44,272)	(35,341)</				

**INFLATION FORECAST**

The U.S. Economy  
30 Year Outlook (MAY 2015)  
GLOBAL INSIGHT

YEAR	GDP	HRLY COMP	PPI INT M&S	GDP Transport	Burial	CPI	CPI MULTIPLIER
2015	1.1%	2.7%	-7.3%	3.7%	3.2%	-0.2%	1.000
2016	2.0%	3.5%	0.9%	5.8%	3.2%	2.0%	1.020
2017	2.0%	3.7%	2.6%	5.5%	3.2%	2.5%	1.046
2018	1.9%	3.9%	2.4%	4.3%	3.2%	2.6%	1.073
2019	2.0%	3.9%	2.0%	3.5%	3.2%	2.5%	1.100
2020	1.9%	3.9%	0.5%	3.2%	3.2%	2.7%	1.129
2021	2.0%	3.9%	1.1%	3.1%	3.2%	2.3%	1.155
2022	2.1%	3.9%	1.9%	2.9%	3.2%	2.6%	1.185
2023	2.2%	3.9%	2.0%	2.6%	3.2%	2.6%	1.216
2024	2.1%	4.0%	1.4%	2.5%	3.2%	2.5%	1.247
2025	2.1%	4.0%	0.9%	2.6%	3.2%	2.4%	1.277
2026	2.1%	3.9%	0.8%	2.8%	3.2%	2.3%	1.307
2027	2.1%	3.9%	1.0%	3.2%	3.2%	2.3%	1.338
2028	2.1%	3.9%	1.2%	3.4%	3.2%	2.3%	1.369
2029	2.1%	3.8%	1.1%	3.7%	3.2%	2.3%	1.400
2030	2.1%	3.8%	1.0%	3.8%	3.2%	2.3%	1.432
2031	2.2%	3.9%	1.2%	4.0%	3.2%	2.3%	1.466
2032	2.2%	3.9%	0.9%	4.2%	3.2%	2.3%	1.500
2033	2.2%	3.9%	1.0%	4.4%	3.2%	2.3%	1.535
2034	2.2%	3.9%	1.1%	4.5%	3.2%	2.4%	1.571
2035	2.2%	3.9%	1.0%	4.5%	3.2%	2.4%	1.608
2036	2.2%	3.9%	1.0%	4.7%	3.2%	2.3%	1.646
2037	2.2%	3.9%	1.1%	4.7%	3.2%	2.4%	1.685
2038	2.2%	3.9%	1.1%	4.7%	3.2%	2.4%	1.725
2039	2.3%	3.9%	1.2%	4.8%	3.2%	2.5%	1.768
2040	2.3%	3.9%	1.2%	4.8%	3.2%	2.4%	1.811
2041	2.3%	3.9%	1.2%	4.8%	3.2%	2.4%	1.855
2042	2.3%	3.9%	1.2%	4.8%	3.2%	2.5%	1.901
2043	2.3%	3.9%	1.2%	4.8%	3.2%	2.5%	1.948
2044	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	1.996
2045	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.046
2046	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.097
2047	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.149
2048	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.203
2049	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.258
2050	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.314
2051	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.371
2052	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.430
2053	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.491
2054	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.553
2055	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.616
2056	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.682
2057	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.748
2058	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.817
2059	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.887
2060	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	2.959
2061	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.032
2062	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.108
2063	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.185
2064	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.265
2065	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.346
2066	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.429
2067	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.514
2068	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.602
2069	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.692
2070	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.784
2071	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.878
2072	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	3.974
2073	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	4.073
2074	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	4.175
2075	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	4.279
2076	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	4.385
2077	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	4.494
2078	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	4.606
2079	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	4.721
2080	2.4%	3.9%	1.2%	4.8%	3.2%	2.5%	4.838

2.45% = AVERAGE COMPOUND CPI INFLATION MULTILPLIER 2016-2074

**Florida Power & Light Company**  
**Docket No. 150265-EI**  
**Staff's Second Data Request**  
**Request No. 6**  
**Attachment No. 3**  
**Tab 2 of 6**

**Florida Power & Light Company**  
**2015 Decommissioning Study**  
**Support Schedule : Inflation and Funding Analysis**

**Support Schedule G**  
**Page 2 of 8**

**GENERAL ASSUMPTIONS**

JURISDICTIONAL FACTOR =		94.6310%			
FPL'S SHARE OF ST. LUCIE 2 COST (NET OF PARTICIPANTS)		85.14933%			
CORPORATE TAX RATE		38.575%			
			ANNUAL	MONTHLY	
EARNINGS RATE QUALIFIED FUND			3.700%	0.303225%	
EARNINGS RATE NON-QUALIFIED FUND			3.700%	0.303225%	
	TP3	TP4	SL1	SL2	
Adjusted QUALIFIED FUNDING % (at 12/31/15)	59.438%	61.045%	67.811%	79.827%	
<b>FUND BALANCES (\$000's)</b>					
A. QUALIFIED FUND BALANCE 11/30/15	429,259	491,842	556,078	508,541	
B. CONTRIBUTIONS - Dec 2015	-	-	-	-	
C. EARNINGS - Dec 2015	1,445	1,655	1,871	1,710	
D. QUALIFIED FUND BALANCE 12/31/15	430,704	493,497	557,949	510,251	
E. JURISDICTIONAL FACTOR	94.6310%	94.6310%	94.6310%	94.6310%	
F. JURIS. QUAL. FUND BAL. 12/31/15	407,579	467,001	527,993	482,855	
A. NON-QUALIFIED FUND BALANCE 11/30/15	180,034	192,892	162,225	78,981	
B. CONTRIBUTIONS - Dec 2015	-	-	-	-	
C. EARNINGS - Dec 2015	507	544	457	223	
D. NON-QUALIFIED FUND BALANCE 12/31/15	180,542	193,436	162,682	79,205	
E. JURISDICTIONAL FACTOR	94.6310%	94.6310%	94.6310%	94.6310%	
F. JURIS. NON-QUAL. FUND BAL. 12/31/15	170,848	183,050	153,948	74,952	
	Juris. Est/Actual Fund Balance	578,428	650,052	681,941	557,807
	Juris. Est/Actual Reserve Balance	685,721	765,008	778,621	604,877
	Adjusted/Actual Qualified spli	0.5944	0.6105	0.6781	0.7983



Turkey Power & Light Company  
 2023 Communicability Study  
 Turkey Power System Study  
 Report Schedule 6: In-Schedule and Fueling Analysis

Turkey Power System, Unit 1 DECOR - Total Communicability Cost (In thousands, 2023 dollars)										Turkey Power System, Unit 3 DECOR - Total Communicability Cost (In thousands, 2023 dollars)										Annual Reference Rate
Year	Label	Equipment	Category	Quantity	Unit Cost	Total Cost	Year	Label	Equipment	Category	Quantity	Unit Cost	Total Cost	Year						
2013	2041	1310	127	11	1,137	14,917	2013	2041	1310	127	11	1,137	14,917	2013						
2014	2041	1310	127	11	1,137	14,917	2014	2041	1310	127	11	1,137	14,917	2014						
2015	2041	1310	127	11	1,137	14,917	2015	2041	1310	127	11	1,137	14,917	2015						
2016	2041	1310	127	11	1,137	14,917	2016	2041	1310	127	11	1,137	14,917	2016						
2017	2041	1310	127	11	1,137	14,917	2017	2041	1310	127	11	1,137	14,917	2017						
2018	2041	1310	127	11	1,137	14,917	2018	2041	1310	127	11	1,137	14,917	2018						
2019	2041	1310	127	11	1,137	14,917	2019	2041	1310	127	11	1,137	14,917	2019						
2020	2041	1310	127	11	1,137	14,917	2020	2041	1310	127	11	1,137	14,917	2020						
2021	2041	1310	127	11	1,137	14,917	2021	2041	1310	127	11	1,137	14,917	2021						
2022	2041	1310	127	11	1,137	14,917	2022	2041	1310	127	11	1,137	14,917	2022						
2023	2041	1310	127	11	1,137	14,917	2023	2041	1310	127	11	1,137	14,917	2023						
Total														14,917						

NOTE: The 2013 rate base was defined in the year of construction based on the dates recorded on System Schedule G, Item 1 of 8.

Turkey Power & Light Company  
 2023 Communicability Study  
 Turkey Power System Study  
 Report Schedule 6: In-Schedule and Fueling Analysis

Turkey Power System, Unit 2 DECOR - Total Communicability Cost (In thousands, 2023 dollars)										Turkey Power System, Unit 4 DECOR - Total Communicability Cost (In thousands, 2023 dollars)										Annual Reference Rate
Year	Label	Equipment	Category	Quantity	Unit Cost	Total Cost	Year	Label	Equipment	Category	Quantity	Unit Cost	Total Cost	Year						
2013	2042	1310	127	11	1,137	14,917	2013	2042	1310	127	11	1,137	14,917	2013						
2014	2042	1310	127	11	1,137	14,917	2014	2042	1310	127	11	1,137	14,917	2014						
2015	2042	1310	127	11	1,137	14,917	2015	2042	1310	127	11	1,137	14,917	2015						
2016	2042	1310	127	11	1,137	14,917	2016	2042	1310	127	11	1,137	14,917	2016						
2017	2042	1310	127	11	1,137	14,917	2017	2042	1310	127	11	1,137	14,917	2017						
2018	2042	1310	127	11	1,137	14,917	2018	2042	1310	127	11	1,137	14,917	2018						
2019	2042	1310	127	11	1,137	14,917	2019	2042	1310	127	11	1,137	14,917	2019						
2020	2042	1310	127	11	1,137	14,917	2020	2042	1310	127	11	1,137	14,917	2020						
2021	2042	1310	127	11	1,137	14,917	2021	2042	1310	127	11	1,137	14,917	2021						
2022	2042	1310	127	11	1,137	14,917	2022	2042	1310	127	11	1,137	14,917	2022						
2023	2042	1310	127	11	1,137	14,917	2023	2042	1310	127	11	1,137	14,917	2023						
Total														14,917						

NOTE: The 2013 rate base was defined in the year of construction based on the dates recorded on System Schedule G, Item 1 of 8.

St. Lucie Power & Light Company  
 2023 Communicability Study  
 St. Lucie System Study  
 Report Schedule 6: In-Schedule and Fueling Analysis

St. Lucie Power System, Unit 1 DECOR - Total Communicability Cost (In thousands, 2023 dollars)										St. Lucie Power System, Unit 2 DECOR - Total Communicability Cost (In thousands, 2023 dollars)										Annual Reference Rate
Year	Label	Equipment	Category	Quantity	Unit Cost	Total Cost	Year	Label	Equipment	Category	Quantity	Unit Cost	Total Cost	Year						
2013	2043	1310	127	11	1,137	14,917	2013	2043	1310	127	11	1,137	14,917	2013						
2014	2043	1310	127	11	1,137	14,917	2014	2043	1310	127	11	1,137	14,917	2014						
2015	2043	1310	127	11	1,137	14,917	2015	2043	1310	127	11	1,137	14,917	2015						
2016	2043	1310	127	11	1,137	14,917	2016	2043	1310	127	11	1,137	14,917	2016						
2017	2043	1310	127	11	1,137	14,917	2017	2043	1310	127	11	1,137	14,917	2017						
2018	2043	1310	127	11	1,137	14,917	2018	2043	1310	127	11	1,137	14,917	2018						
2019	2043	1310	127	11	1,137	14,917	2019	2043	1310	127	11	1,137	14,917	2019						
2020	2043	1310	127	11	1,137	14,917	2020	2043	1310	127	11	1,137	14,917	2020						
2021	2043	1310	127	11	1,137	14,917	2021	2043	1310	127	11	1,137	14,917	2021						
2022	2043	1310	127	11	1,137	14,917	2022	2043	1310	127	11	1,137	14,917	2022						
2023	2043	1310	127	11	1,137	14,917	2023	2043	1310	127	11	1,137	14,917	2023						
Total														14,917						

NOTE: The 2013 rate base was defined in the year of construction based on the dates recorded on System Schedule G, Item 1 of 8.

St. Lucie Power & Light Company  
 2023 Communicability Study  
 St. Lucie System Study  
 Report Schedule 6: In-Schedule and Fueling Analysis

St. Lucie Power System, Unit 3 DECOR - Total Communicability Cost (In thousands, 2023 dollars)										St. Lucie Power System, Unit 4 DECOR - Total Communicability Cost (In thousands, 2023 dollars)										Annual Reference Rate
Year	Label	Equipment	Category	Quantity	Unit Cost	Total Cost	Year	Label	Equipment	Category	Quantity	Unit Cost	Total Cost	Year						
2013	2044	1310	127	11	1,137	14,917	2013	2044	1310	127	11	1,137	14,917	2013						
2014	2044	1310	127	11	1,137	14,917	2014	2044	1310	127	11	1,137	14,917	2014						
2015	2044	1310	127	11	1,137	14,917	2015	2044	1310	127	11	1,137	14,917	2015						
2016	2044	1310	127	11	1,137	14,917	2016	2044	1310	127	11	1,137	14,917	2016						
2017	2044	1310	127	11	1,137	14,917	2017	2044	1310	127	11	1,137	14,917	2017						
2018	2044	1310	127	11	1,137	14,917	2018	2044	1310	127	11	1,137	14,917	2018						
2019	2044	1310	127	11	1,137	14,917	2019	2044	1310	127	11	1,137	14,917	2019						
2020	2044	1310	127	11	1,137	14,917	2020	2044	1310	127	11	1,137	14,917	2020						
2021	2044	1310	127	11	1,137	14,917	2021	2044	1310	127	11	1,137	14,917	2021						
2022	2044	1310	127	11	1,137	14,917	2022	2044	1310	127	11	1,137	14,917	2022						
2023	2044	1310	127	11	1,137	14,917	2023	2044	1310	127	11	1,137	14,917	2023						
Total														14,917						

NOTE: The 2013 rate base was defined in the year of construction based on the dates recorded on System Schedule G, Item 1 of 8.



Florida Power & Light Company  
 2015 Decommissioning Study  
 Turkey Point Nuclear Units  
 Support Schedule - Inflation and Funding Analysis

Support Schedule G  
 Page 7 of 8

TURKEY POINT UNIT 3

EARNINGS RATE QUALIFIED FUND  
 EARNINGS RATE NON-QUALIFIED FUND

NOMINAL ANNUAL 3.700%  
 NOMINAL MONTHLY 0.302121%

CORPORATE TAX RATE

18.375%

PL's SHARE OF COST (NET OF PARTICIPANTS)  
 JURISDICTIONAL FACTOR

100.000%  
 94.8310%

Adjusted QUALIFIED %

55.433%

LICENSE ENDS

7/19/2032

MONTHS TO FUND

108.1

YEAR	CURVE	ESTIMATED COST IN (\$2011)	ESTIMATED COST IN NOMINAL \$	ESTIMATED RECOVERY NOMINAL \$	NET NOMINAL \$	JURISDICTIONAL AMOUNT	QUALIFIED AMOUNT	NON-QUAL AMOUNT	TAX SAVINGS	PV @ 3.7% QUALIFIED AMOUNT	PV @ 3.7% NON-QUAL AMOUNT
2012	4.202%	35,733,977	6,657,680	-	6,657,680	62,204,578	36,178,707	15,749,148	9,276,503	15,611,508	5,222,560
2013	4.5057%	12,532,136	21,861,941	2,453,290	21,408,651	204,789,871	121,723,048	51,023,873	32,042,950	63,292,931	26,531,029
2014	4.7140%	144,784,406	259,268,050	6,781,429	252,486,621	238,510,595	142,015,759	59,529,938	37,384,898	71,209,866	29,849,838
2015	4.9195%	115,046,227	211,979,150	6,160,869	205,818,281	114,073,825	47,817,284	30,029,332	35,138,201	55,138,201	23,121,168
2016	5.1178%	81,771,488	154,828,021	19,806,553	135,021,468	131,044,230	71,913,962	23,659,850	20,510,420	36,239,646	15,228,611
2017	5.3087%	83,548,588	163,068,842	32,453,595	130,615,247	123,615,547	73,477,086	30,800,007	19,342,455	33,088,421	13,848,992
2018	5.4801%	32,437,919	67,246,282	3,926,711	63,319,571	32,333,333	19,230,557	8,081,034	5,062,242	8,338,556	4,995,259
2019	5.6119%	22,062,368	49,491,568	2,930,718	46,560,850	46,560,850	26,189,021	10,977,068	6,894,519	10,950,374	4,990,160
2020	5.7262%	22,873,373	52,389,294	3,145,567	49,243,727	46,599,832	27,658,045	11,610,423	7,291,364	11,168,124	4,681,436
2021	5.8221%	22,645,790	50,460,428	3,893,291	46,567,137	46,567,137	26,192,547	10,779,350	6,895,050	10,184,274	4,369,028
2022	5.9073%	15,209,026	32,378,874	3,996,830	28,382,044	28,382,044	15,189,011	6,184,791	4,141,124	6,184,791	2,848,284
2023	6.0207%	4,398,156	10,668,087	1,341,727	9,326,360	9,326,360	4,942,444	2,141,124	1,341,124	1,341,124	600,000
2024	6.1521%	4,410,206	11,058,575	1,028,760	10,029,815	10,029,815	5,389,353	2,389,353	1,541,124	1,541,124	711,000
2025	6.3027%	4,398,156	11,404,365	1,135,610	10,268,755	10,268,755	5,619,353	2,519,353	1,641,124	1,641,124	771,000
2026	6.4707%	4,398,156	11,793,587	1,179,587	10,614,000	10,614,000	5,849,353	2,649,353	1,741,124	1,741,124	821,000
2027	6.6562%	4,398,156	12,194,934	1,219,934	10,975,000	10,975,000	6,079,353	2,779,353	1,841,124	1,841,124	871,000
2028	6.8591%	4,410,206	12,608,488	1,264,488	11,344,000	11,344,000	6,309,353	2,909,353	1,941,124	1,941,124	921,000
2029	7.0791%	4,398,156	13,044,371	1,310,371	11,734,000	11,734,000	6,539,353	3,039,353	2,041,124	2,041,124	971,000
2030	7.3156%	4,398,156	13,504,729	1,358,729	12,146,000	12,146,000	6,769,353	3,169,353	2,141,124	2,141,124	1,021,000
2031	7.5681%	4,398,156	14,000,153	1,408,153	12,592,000	12,592,000	6,999,353	3,299,353	2,241,124	2,241,124	1,071,000
2032	7.8366%	4,410,206	14,534,749	1,459,749	13,075,000	13,075,000	7,229,353	3,429,353	2,341,124	2,341,124	1,121,000
2033	8.1207%	4,398,156	15,110,644	1,513,644	13,597,000	13,597,000	7,459,353	3,559,353	2,441,124	2,441,124	1,171,000
2034	8.4207%	4,398,156	15,734,323	1,570,323	14,164,000	14,164,000	7,689,353	3,689,353	2,541,124	2,541,124	1,221,000
2035	8.7356%	4,398,156	16,410,615	1,630,615	14,770,000	14,770,000	7,919,353	3,819,353	2,641,124	2,641,124	1,271,000
2036	9.0656%	4,410,206	17,144,389	1,694,389	15,450,000	15,450,000	8,149,353	3,949,353	2,741,124	2,741,124	1,321,000
2037	9.4196%	4,398,156	17,942,809	1,762,809	16,180,000	16,180,000	8,379,353	4,079,353	2,841,124	2,841,124	1,371,000
2038	9.7971%	4,398,156	18,813,285	1,837,285	16,976,000	16,976,000	8,609,353	4,209,353	2,941,124	2,941,124	1,421,000
2039	10.1986%	4,410,206	19,764,626	1,918,626	17,846,000	17,846,000	8,839,353	4,339,353	3,041,124	3,041,124	1,471,000
2040	10.6341%	4,398,156	20,804,555	1,996,555	18,808,000	18,808,000	9,069,353	4,469,353	3,141,124	3,141,124	1,521,000
2041	11.1046%	4,398,156	21,940,729	2,081,729	19,859,000	19,859,000	9,299,353	4,599,353	3,241,124	3,241,124	1,571,000
2042	11.6196%	4,398,156	23,180,915	2,174,915	20,986,000	20,986,000	9,529,353	4,729,353	3,341,124	3,341,124	1,621,000
2043	12.1796%	4,398,156	24,532,864	2,276,864	22,256,000	22,256,000	9,759,353	4,859,353	3,441,124	3,441,124	1,671,000
2044	12.7846%	4,410,206	26,005,353	2,388,353	23,617,000	23,617,000	9,989,353	4,989,353	3,541,124	3,541,124	1,721,000
2045	13.4356%	4,398,156	27,607,249	2,502,249	25,105,000	25,105,000	10,219,353	5,119,353	3,641,124	3,641,124	1,771,000
2046	14.1436%	4,398,156	29,349,153	2,628,153	26,721,000	26,721,000	10,449,353	5,249,353	3,741,124	3,741,124	1,821,000
2047	14.9196%	4,398,156	31,234,029	2,766,029	28,468,000	28,468,000	10,679,353	5,379,353	3,841,124	3,841,124	1,871,000
2048	15.7646%	4,410,206	33,267,864	2,916,864	30,351,000	30,351,000	10,909,353	5,509,353	3,941,124	3,941,124	1,921,000
2049	16.6896%	4,398,156	35,456,644	3,080,644	32,376,000	32,376,000	11,139,353	5,639,353	4,041,124	4,041,124	1,971,000
2050	17.6946%	4,398,156	37,814,323	3,258,323	34,556,000	34,556,000	11,369,353	5,769,353	4,141,124	4,141,124	2,021,000
2051	18.7896%	4,398,156	40,357,809	3,451,809	36,906,000	36,906,000	11,599,353	5,899,353	4,241,124	4,241,124	2,071,000
2052	19.9846%	4,410,206	43,094,389	3,661,389	39,433,000	39,433,000	11,829,353	6,029,353	4,341,124	4,341,124	2,121,000
2053	21.2896%	4,398,156	46,042,809	3,887,809	42,155,000	42,155,000	12,059,353	6,159,353	4,441,124	4,441,124	2,171,000
2054	22.7146%	4,398,156	49,324,285	4,141,285	45,183,000	45,183,000	12,289,353	6,289,353	4,541,124	4,541,124	2,221,000
2055	24.2696%	4,398,156	52,964,626	4,422,626	48,542,000	48,542,000	12,519,353	6,419,353	4,641,124	4,641,124	2,271,000
2056	25.9646%	4,410,206	57,000,153	4,734,153	52,266,000	52,266,000	12,749,353	6,549,353	4,741,124	4,741,124	2,321,000
2057	27.8096%	4,398,156	61,574,749	5,078,749	56,496,000	56,496,000	12,979,353	6,679,353	4,841,124	4,841,124	2,371,000
2058	29.8146%	4,398,156	66,749,153	5,458,153	61,291,000	61,291,000	13,209,353	6,809,353	4,941,124	4,941,124	2,421,000
2059	31.9896%	4,410,206	72,664,626	5,874,626	67,190,000	67,190,000	13,439,353	6,939,353	5,041,124	5,041,124	2,471,000
2060	34.4446%	4,398,156	79,474,389	6,330,389	73,144,000	73,144,000	13,669,353	7,069,353	5,141,124	5,141,124	2,521,000
2061	37.1896%	4,398,156	87,254,809	6,831,809	80,423,000	80,423,000	13,899,353	7,199,353	5,241,124	5,241,124	2,571,000
2062	40.2346%	4,398,156	96,164,626	7,374,626	88,790,000	88,790,000	14,129,353	7,329,353	5,341,124	5,341,124	2,621,000
2063	43.5896%	4,398,156	106,374,389	7,963,389	98,411,000	98,411,000	14,359,353	7,459,353	5,441,124	5,441,124	2,671,000
2064	47.2646%	4,398,156	118,964,626	8,604,626	109,360,000	109,360,000	14,589,353	7,589,353	5,541,124	5,541,124	2,721,000
2065	51.2696%	4,398,156	134,000,153	9,304,153	121,696,000	121,696,000	14,819,353	7,719,353	5,641,124	5,641,124	2,771,000
2066	55.6146%	4,410,206	151,749,153	10,064,153	136,685,000	136,685,000	15,049,353	7,849,353	5,741,124	5,741,124	2,821,000
2067	60.3196%	4,398,156	172,349,153	10,984,153	153,365,000	153,365,000	15,279,353	7,979,353	5,841,124	5,841,124	2,871,000
2068	65.3846%	4,398,156	196,164,626	12,074,626	174,090,000	174,090,000	15,509,353	8,109,353	5,941,124	5,941,124	2,921,000
2069	70.8196%	4,398,156	224,664,626	13,344,626	211,320,000	211,320,000	15,739,353	8,239,353	6,041,124	6,041,124	2,971,000
2070	76.6246%	4,398,156	268,164,626	14,804,626	253,360,000	253,360,000	15,969,353	8,369,353	6,141,124	6,141,124	3,021,000
2071	82.7996%	4,398,156	328,664,626	16,564,626	312,100,000	312,100,000	16,199,353	8,499,353	6,241,124	6,241,124	3,071,000
2072	89.3446%	4,398,156	408,164,626	18,644,626	389,520,000	389,520,000	16,429,353	8,629,353	6,341,124	6,341,124	3,121,000
2073	96.3496%	4,398,156	518,164,626	21,064,626	497,100,000	497,100,000	16,659,353	8,759,353	6,441,124	6,441,124	3,171,000
100.000%		\$ 844,718,728	\$ 1,894,149,849	\$ 335,460,894	\$ 1,558,688,955	\$ 1,558,688,955	\$ 877,411,584	\$ 371,083,772	\$ 233,608,414	\$ 353,168,781	\$ 148,208,396

	QUALIFIED	NON-QUAL	TOTAL
NPV @12/31/15	\$ 393,548,781	\$ 148,208,396	\$ 541,757,177
LESS BALANCE @ 12/31/15	607,579,298	170,848,431	778,427,729
PV OF FUNDING REQUIREMENTS	\$ (24,010,502)	\$ (22,940,035)	\$ (46,950,537)

	QUALIFIED	NON-QUAL	TOTAL
MONTHLY FUNDING REQUIREMENT	-	-	-
ANNUAL FUNDING REQUIREMENT	-	-	-
MONTHLY ACCRUAL	-	-	-
ANNUAL ACCRUAL	-	-	-

Florida Power & Light Company  
 2013 Decommissioning Study  
 St. Lucie Nuclear Units  
 Support Schedule 1: Inflation and Funding Analysis

ST. LUCIE UNIT 1

EARNINGS RATE QUALIFIED FUND		EARNINGS RATE NON-QUALIFIED FUND		CORPORATE TAX RATE		FPL'S SHARE OF COST (NET OF PARTICIPANTS)		JURISDICTIONAL FACTOR			
3.700%		3.700%		38.575%		100.000%		94.6310%			
Adjusted QUALIFIED %		67.811%		LICENSE ENDS		3/1/2036		MONTHS TO FUND		242.5	
YEAR	SPENDING CURVE	ESTIMATED COST IN CURVE (\$2013)	ESTIMATED COST IN NOMINAL \$	ESTIMATED DOE RECOVERY NOMINAL \$	NET NOMINAL \$	JURISDICTIONAL AMOUNT	QUALIFIED AMOUNT	NON-QUAL AMOUNT	TAX SAVINGS	PV @ 3.7% QUALIFIED AMOUNT	PV @ 3.7% NON-QUAL AMOUNT
2036	5.9576%	55,677,172	112,634,081	10,077,793	112,634,081	107,553,267	72,919,615	21,761,313	11,351,159	34,000,906	9,913,710
2037	7.731%	72,279,105	142,434,747	10,077,793	132,356,954	125,250,708	84,934,186	24,764,425	15,552,099	38,190,020	11,135,138
2038	3.6196%	33,830,439	66,767,120	10,218,610	54,448,510	51,525,169	34,939,908	10,187,497	6,397,764	15,149,921	4,417,292
2039	3.6196%	33,830,439	66,749,066	10,218,610	54,408,417	51,525,169	34,939,908	10,187,497	6,397,764	15,149,921	4,417,292
2040	3.6295%	33,233,125	66,968,383	10,218,610	54,990,483	51,525,169	34,939,908	10,187,497	6,397,764	15,149,921	4,417,292
2041	3.0452%	29,651,642	59,846,811	10,218,610	49,628,201	46,776,955	31,061,372	9,062,372	5,063,183	11,149,316	3,250,818
2042	1.9000%	17,748,054	35,763,216	10,218,610	25,544,606	22,726,931	16,031,391	3,795,260	2,194,706	6,059,115	1,718,812
2043	1.9000%	17,748,054	35,763,216	10,218,610	25,544,606	22,726,931	16,031,391	3,795,260	2,194,706	6,059,115	1,718,812
2044	3.2898%	30,747,761	61,963,827	10,218,610	51,745,217	48,925,217	32,611,429	11,299,822	7,705,468	14,672,052	4,178,133
2045	7.785%	72,309,995	144,619,990	10,218,610	134,401,380	124,182,770	81,443,154	23,729,626	15,409,415	40,833,911	11,905,731
2046	12.0311%	112,448,465	224,896,930	10,218,610	214,678,320	204,460,710	136,311,557	38,149,253	25,432,837	66,254,748	18,545,576
2047	10.6821%	99,839,875	199,679,750	10,218,610	189,461,140	179,242,530	117,467,060	31,784,470	21,189,915	54,264,833	15,306,317
2048	9.4065%	87,946,092	175,892,184	10,218,610	165,673,574	155,454,964	101,631,148	28,513,322	19,049,620	47,215,213	13,242,876
2049	8.2995%	77,140,587	154,281,174	10,218,610	144,062,564	133,843,954	88,567,064	25,296,406	17,000,000	42,515,113	11,842,876
2050	3.0175%	28,202,705	56,405,410	10,218,610	46,186,800	43,368,190	28,242,126	7,124,064	4,376,525	10,868,588	3,024,489
2051	2.9287%	27,372,842	54,745,684	10,218,610	44,527,074	41,708,464	27,121,813	6,886,251	4,187,848	10,480,739	2,905,198
2052	0.5219%	5,448,162	10,896,324	10,218,610	11,677,714	11,465,104	7,642,734	1,835,000	1,067,097	2,576,649	726,614
2053	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2054	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2055	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2056	0.5013%	4,702,407	9,404,814	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2057	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2058	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2059	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2060	0.5031%	4,702,407	9,404,814	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2061	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2062	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2063	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2064	0.5031%	4,702,407	9,404,814	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2065	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2066	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2067	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2068	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2069	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2070	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2071	0.5017%	4,689,559	9,379,118	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2072	0.5031%	4,702,407	9,404,814	10,218,610	9,690,508	9,477,898	6,315,268	1,562,340	924,404	2,182,215	613,903
2073	2.3100%	21,693,325	43,386,650	10,218,610	33,168,040	31,949,430	21,299,610	5,649,820	3,389,910	8,910,520	2,506,974
2074	0.6000%	5,611,264	11,222,528	10,218,610	11,222,528	10,218,610	6,812,407	1,700,121	1,020,076	2,792,351	762,809
100.0000%	\$ 834,648,631	\$ 1,669,297,262	\$ 1,669,297,262	\$ 1,669,297,262	\$ 1,669,297,262	\$ 1,669,297,262	\$ 1,115,895,548	\$ 412,835,400	\$ 259,264,303	\$ 437,633,199	\$ 127,601,557
NPV @ 12/31/13		QUALIFIED		NON-QUAL		TOTAL					
		\$ 437,633,199		\$ 27,911,831		\$ 465,545,030					
LESS BALANCE @ 12/31/13		527,993,221		133,877,840		661,871,061					
PV OF FUNDING REQUIREMENTS		\$ (90,359,822)		\$ (16,946,388)		\$ (107,306,210)					
MONTHLY FUNDING REQUIREMENT											
ANNUAL FUNDING REQUIREMENT											
MONTHLY ACCRUAL											
ANNUAL ACCRUAL											

ST. LUCIE UNIT 2

EARNINGS RATE QUALIFIED FUND		EARNINGS RATE NON-QUALIFIED FUND		CORPORATE TAX RATE		FPL'S SHARE OF COST (NET OF PARTICIPANTS)		JURISDICTIONAL FACTOR			
3.700%		3.700%		38.575%		85.149%		94.6310%			
Adjusted QUALIFIED %		79.827%		LICENSE ENDS		4/6/2043		MONTHS TO FUND		373.5	
YEAR	SPENDING CURVE	ESTIMATED COST IN CURVE (\$2013)	ESTIMATED COST IN NOMINAL \$	ESTIMATED DOE RECOVERY NOMINAL \$	NET NOMINAL \$	JURISDICTIONAL AMOUNT	QUALIFIED AMOUNT	NON-QUAL AMOUNT	TAX SAVINGS	PV @ 3.7% QUALIFIED AMOUNT	PV @ 3.7% NON-QUAL AMOUNT
2043	6.8950%	60,112,866	120,225,732	15,904,953	104,320,779	128,153,900	102,301,357	15,879,925	9,972,619	36,949,309	5,741,717
2044	14.9952%	130,732,660	261,465,320	15,657,431	245,807,889	259,741,433	207,343,678	32,185,321	20,212,434	72,294,767	11,222,004
2045	15.9913%	139,434,565	278,869,130	12,125,010	266,744,120	279,994,105	223,510,817	34,994,896	21,788,651	75,151,189	11,655,888
2046	15.2412%	115,458,151	230,916,302	11,399,658	218,516,644	230,416,822	189,559,341	29,424,713	18,479,768	61,441,583	9,540,492
2047	11.2340%	97,958,738	195,917,476	25,705,307	170,212,169	194,168,778	154,999,184	24,960,046	15,109,748	48,482,879	7,522,744
2048	10.9050%	95,073,535	190,147,070	23,156,057	166,987,013	186,260,148	148,685,806	23,000,040	14,494,303	48,810,187	6,958,852
2049	5.2664%	45,931,683	91,863,366	36,991,684	54,871,682	108,449,285	87,385,899	99,757,503	10,828,243	8,800,154	20,261,113
2050	3.5626%	31,092,485	62,184,970	10,531,672	51,653,298	62,151,211	55,366,011	6,585,877	3,389,433	15,500,967	2,808,167
2051	3.5328%	30,800,119	61,600,238	10,531,672	51,068,566	61,600,238	55,366,011	6,585,877	3,389,433	15,500,967	2,808,167
2052	0.6253%	5,538,471	11,076,942	2,318,631	8,758,311	12,402,620	9,900,634	1,536,845	965,141	2,581,263	400,697
2053	0.5353%	4,666,499	9,332,998	15,931,008	15,931,008	15,931,008	12,745,617	248,165	24,192	62,395	9,685
2054	0.5353%	4,666,499	9,332,998	15,931,008	15,931,008	15,931,008	12,745,617	248,165	24,192	62,395	9,685
2055	0.5353%	4,666,499	9,332,998	15,931,008	15,931,008	15,931,008	12,745,617	248,165	24,192	62,395	9,685
2056	0.5367%	4,679,283	9,358,566	17,020,312	17,020,312	17,020,312	13,574	29,994	4,656	2,924	6,763
2057	0.5353%	4,666,499	9,332,998	17,603,218	17,603,218	17,603,218	13,881	31,022	4,815	3,024	6,745
2058	0.5353%	4,666,499	9,332,998	17,603,218	17,603,218	17,603,218	13,881	31,022	4,815	3,024	6,745
2059	0.5353%	4,666,499	9,332,998	17,603,218	17,603,218	17,603,218	13,881	31,022	4,815	3,024	6,745
2060	0.5367%	4,679,283									

QUESTION:

Please refer to FPL's responses to Staff's First Data Request, Nos. 47, 51, 86, and 88 regarding the escalation factor.

- a. Please identify the escalation factor used to estimate the value of purchases of EOL M&S for each year (No. 47a.).
- b. Please explain why FPL uses the annual escalation factors of 2.5 percent in determining the cost of unburned fuel remaining in the reactor at the end of plant life (Nos. 51 and 88).
- c. Please explain how the 17 month escalation factor of 3.50% is determined. Is it correct that if 2.50% annual escalation factor is used, the monthly escalation would be 0.208%, and the 17 month escalation would be 3.54% (Nos. 51 and 88)?
- d. Please explain why "purchases assumes amount of issues escalated using Public Utility Private Fixed Income index."
- e. What is the Public Utility Private Fixed Income index?
- f. How does the annual escalation factor discussed in question 7(a.) - 7(c.) relate to the Public Utility Private Fixed Income index (No. 86)?

RESPONSE:

- a. The escalation factor used to estimate the value of purchases of EOL M&S each year is the Public Utility Private Fixed Investment Index (PUPFI).
- b. An annual escalation of 2.5% is used based on previous experience with past fuel cost increases. This is also the escalation rate used in the budgeting process.
- c. The 17 month escalation factor was determined by  $(17/12) \times 2.5\%$  rounded to one decimal place.
- d. FPL utilizes Public Utility Private Fixed Investment Index as one of the escalation assumptions contained in its internally developed Economic Decision Making Model. This model is used as an aid in project decision making. This index was assumed to be a reasonable factor to escalate the future purchases of inventory that are used in maintaining plant equipment up through decommissioning.
- e. FPL incorrectly referred to this index as Public Utility Private Fixed Income Index in Staff's First Data Request No. 86. The index used was Public Utility Private Fixed Investment Index.
- f. The Public Utility Private Fixed Investment Index was used in the calculation of the future purchases of M&S (No. 86) and was not used in the calculation of Last Core discussed in parts b and c of this request.

QUESTION:

Referring to FPL's response to Staff's First Data Request, Nos. 47 and 86, please explain why a 4 year average inventory turnover rate was used.

RESPONSE:

The use of inventory (M&S) will vary depending upon the number of refueling outages and projects implemented in a given year. FPL utilized a 4 year average inventory turnover rate to provide a levelized rate to derive the annual issuances of inventory assumed through decommissioning.

**QUESTION:**

Please refer to FPL's response to Staff's First Data Request, No. 52. Please briefly explain what is leading to increasing end-of-life (EOL) annual unamortized fuel costs for the St. Lucie Units, while the TP Units EOL annual unamortized fuel costs are decreasing.

**RESPONSE:**

The 2010 St. Lucie cost projection for St. Lucie was closer to actual consumption levels compared to the 2010 Turkey Point projection. As a result, fewer fuel loads (number of fresh assemblies each cycle) are now needed for the Turkey Point units through EOL. Also, lead-time fuel purchases for Turkey Point were executed at a more favorable price at the time of procurement. Accordingly, the timing of contracting for commodities favors the Turkey Point needs first.

QUESTION:

Please refer to FPL's response to Staff's First Data Request, No. 56. Please briefly explain the reason(s) why the Trust Fund Balance for TP Unit 3 is the smallest by dollar amount of FPL's four nuclear units given it's the oldest plant and the first scheduled for shut-down/decommissioning.

RESPONSE:

The differences in trust fund balances between the units are primarily a function of the historical estimates of decommissioning costs. The decommissioning cost estimates determined FPL's funding requirements from customers until 2005 when the accrual was suspended. Turkey Point Unit 3 has historically had the lowest decommissioning cost primarily as a result of 1) Turkey Point being a smaller plant than St. Lucie in terms of capacity and 2) since Turkey Point Unit 3 is retired prior to Unit 4, the assumption used in allocating inventories and costs between units was that common systems and structures were assigned to the last unit retired since the site infrastructure would be needed to support plant operations as long as there was one unit operating. The 2015 Decommissioning Study shows that the decommissioning costs for Turkey Point Unit 3 (and all of the units) are sufficiently funded based on 2015 dollars.



QUESTION:

Please refer to FPL's response to Staff's First Data Request, No. 60, Attachment No. 1, Page 29 of 29.

- a. What request for additional information (RAI), presumably from the Nuclear Regulatory Commission (NRC), is being referred to here?
- b. Please provide a copy of the RAI response dated August 12, 2014 being referred to on this document (Page 29 of 29).

RESPONSE:

- a. The RAI referenced in FPL's response to Staff's First Data Request No. 60, Attachment No. 1, Page 29 relates to the NRC's request for additional information in order to complete their review of the funding plans for Independent Spent Fuel Storage Installations submitted by FPL.
- b. A copy of the RAI response, with FPL information only, is produced as Attachment No. 1 to this response.



August 12, 2014

L-2014-214  
10 CFR 72.30(b)

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-001

RE: Florida Power and Light Company  
St. Lucie Units 1 & 2  
Docket Nos. 50-335 and 50-389  
Turkey Point Units 3 & 4  
Docket Nos. 50-250 and 50-251

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

NextEra Energy Duane Arnold, LLC  
Duane Arnold Energy Center  
Docket No. 50-331

NextEra Energy Point Beach, LLC  
Point Beach Units 1 & 2  
Docket Nos. 50-266 and 50-301

Reply to Request for Additional Information for Review of the Decommissioning  
Funding Plans Regarding the Independent Spent Fuel Storage Installations

Reference:

- (1) FPL Letter, L-2012-442, "ISFSI Decommissioning Funding Plans," dated December 17, 2012.
- (2) NRC Letter, "Request for Additional Information for Review of the Decommissioning Funding Plans for Florida Power and Light and NextEra Energy Independent Spent Fuel Storage Installations," dated May 23, 2014.

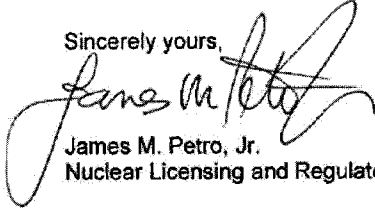
On December 17, 2012, Florida Power and Light Company (FPL), the licensee for the St. Lucie Nuclear Plant, Units 1 and 2, and the Turkey Point Nuclear Plant, Units 3 and 4, and its affiliates, NextEra Energy Seabrook, LLC, the licensee for the Seabrook Station, NextEra Energy Duane Arnold, LLC, the licensee for the Duane Arnold Energy Center, and NextEra Energy Point Beach, LLC, the licensee for the Point Beach Nuclear Plant, Units 1 and 2 (hereafter referred to collectively as "NextEra"), submitted Reference 1, the decommissioning cost estimates in accordance with 10 CFR 72.30(b) for each of the ISFSIs at Duane Arnold Energy Center, Point Beach Units 1 and 2, Seabrook Station, St. Lucie Units 1 and 2, and Turkey Point Units 3 and 4. On May 23, 2014, NRC staff issued Reference 2, requesting that additional information was required in order to complete their review. The FPL and NextEra Energy responses to Reference 2 are provided in the attachment and corresponding enclosures to this letter.

L-2014-214  
Page 2 of 2

This letter contains no new Regulatory Commitments and no revision to existing Regulatory Commitments.

If you have any questions or require additional information, please contact Mark Dryden at (561) 694-4430.

Sincerely yours,



James M. Petro, Jr.  
Nuclear Licensing and Regulatory Compliance Director

Attachment (1)  
Enclosures (6)

cc: Electronic Distribution:  
Regional Administrator, Region I  
Regional Administrator, Region II  
Regional Administrator, Region III  
USNRC Project Manager, Turkey Point and St. Lucie  
Senior Resident Inspector, USNRC, Turkey Point  
Senior Resident Inspector, USNRC, St. Lucie  
USNRC Project Manager, Seabrook Station  
Senior Resident Inspector, USNRC, Seabrook Station  
USNRC Project Manager, Duane Arnold  
Senior Resident Inspector, USNRC, Duane Arnold  
USNRC Project Manager, Point Beach  
Senior Resident Inspector, Point Beach

**NRC Request 1: Decommissioning Costs**

On December 17, 2012, FPL provided decommissioning cost estimates for each of the ISFSIs at Duane Arnold Energy Center, Point Beach Units 1 and 2, Seabrook Station, St. Lucie Units 1 and 2, and Turkey Point Units 3 and 4. These estimates are stated to be derived from a detailed Decommissioning Study (DS) for each unit. However, copies of, or the ADAMS references to the DSs were not made available for analysis.

Under 10 CFR 72.30(b)(2):

Each holder of, or applicant for, a license under this part must submit for NRC review and approval a decommissioning funding plan that must contain: ... A detailed cost estimate for Decommissioning, in an amount reflecting: (i) The cost of an independent contractor to perform all decommissioning activities; (ii) An adequate contingency factor; and (iii) The cost of meeting the § 20.1402 of this chapter criteria for unrestricted use, provided that, if the applicant or licensee can demonstrate its ability to meet the provisions of § 20.1403 of this chapter, the cost estimate may be based on meeting the § 20.1403 criteria.

The NRC staff needs either the DS for each reactor unit to determine how each ISFSI Decommissioning cost estimate was derived from these DSs, or other information that demonstrates how each ISFSI decommissioning cost estimate was developed. The information that FPL submitted does not show how it calculated the cost of an independent contractor to perform the decommissioning activities or the cost to decommission to unrestricted use levels in 10 CFR 20.1402.

This detailed cost estimate information is needed to determine compliance with 10 CFR 72.30(b)(2). Guidance on financial assurance and compliance with 10 CFR 72.30(b) is provided in NUREG-1757, Vol. 3, Rev. 1, "Consolidated Decommissioning Guidance: Financial Assurance, Recordkeeping, and Timeliness," located at ADAMS Accession No. ML12048A683. NUREG-1757, Vol. 3, Rev. 1 was issued in February 2012 and is compatible with the changes in the Decommissioning Planning Final Rule (76 FR 35512; June 17, 2011) and the current 10 CFR 72.30 requirements, which became effective on December 17, 2012. Specific guidance on cost estimates is provided in Sections 4.1 and A.3.1 of this guidance.

Please provide either the most recent DS for each reactor unit (or if previously submitted to NRC, reference the ADAMS Accession Number or the date submitted to NRC) or other information that demonstrates how each ISFSI decommissioning cost estimate was developed.

This information is needed to verify compliance with 10 CFR 72.30(b)(2).

**FPL and NextEra Energy's Response 1:**

As stated in its December 17, 2012 submittal, FPL/NextEra obtained site-specific ISFSI decommissioning cost estimates in 2013. The site-specific ISFSI decommissioning cost estimates are provided for St. Lucie, Turkey Point, Seabrook Station, Duane Arnold and Point Beach, as Enclosures 1 through 5, respectively. These cost estimates are intended to supersede the estimates provided in the December 17, 2012 submittal, which were excerpted from existing site-specific reactor decommissioning cost estimates. The new ISFSI-specific cost estimates (provided in 2012 dollars) include the cost of an independent contractor as well as the cost to decommission to unrestricted use levels in 10 CFR 20.1402.

## NRC Request 2: Certification of Financial Assurance

On December 17, 2012, FPL stated for each licensee on whose behalf it submitted a decommissioning funding plan:

Decommissioning is defined in 10 CFR 50.2 as the removal of a site from service and reduction of residual radioactivity to a level that permits the termination of the license, so the Part 50 license cannot be terminated until the ISFSI meets residual radioactivity requirements. As a result, the decommissioning of an ISFSI with a Part 72 general license is necessarily a Part 50 decommissioning cost covered by 10 CFR 50.75.

For this reason, the attached ISFSI Decommissioning Funding Plans rely on "the methods of 10 CFR 50.75(b), (e), and (h), as applicable" as allowed under new 10 CFR 72.30(e)(5), to demonstrate ISFSI decommissioning financial assurance and do not provide either a new ISFSI-specific decommissioning cost estimate or new ISFSI specific decommissioning financial assurance methods. Specifically, the Decommissioning Funding Plans rely on the most recent biennial decommissioning funding status reports submitted to the NRC pursuant to 10 CFR 50.75.

It is not evident from FPL's Decommissioning Funding Status reports submitted in 2011 (ADAMS Accession No. ML110840036), FPL's Decommissioning Funding Status reports submitted in 2013 (ADAMS Accession No. ML13093A156), or FPL's ISFSI-related submission of December 17, 2012, that funds specific to ISFSI decommissioning are accounted for in either the radiological or non-radiological portions of FPL's decommissioning trust accounts. Accordingly, the NRC staff cannot determine whether funds for ISFSI decommissioning reside within FPL's trust accounts.

Under § 72.30(e)(5), licensees can use the financial assurance methods in 10 CFR 50.75(b), (e), and (h), as applicable, to satisfy § 72.30. However, to satisfy 10 CFR 72.30, the funds set aside to cover the costs of decommissioning the ISFSI cannot be the same funds the licensee will use for the Part 50 reactor decommissioning. Note that the minimum amount in 10 CFR 50.75(c) is not intended to cover the ISFSI decommissioning costs. The funds necessary to satisfy the Part 50 reactor Decommissioning financial assurance requirements are not to include costs for ISFSI decommissioning. A licensee can hold ISFSI decommissioning and reactor decommissioning funds in the same financial instrument, but the licensee must be able to show that ISFSI decommissioning and reactor decommissioning funds are separately tracked. Also, 10 CFR 72.30(e)(5) references "the financial assurance methods in 10 CFR 50.75(b), (e), and (h), as applicable," but does not reference 10 CFR 50.75(f), which concerns reactor decommissioning cost estimates.

For the above reasons, it is not clear to the NRC staff if your certification meets the 10 CFR 72.30(b) requirements, under which a licensee must certify that financial assurance for decommissioning its ISFSI has been provided. This certification must show that such financial assurance equals the amount of the ISFSI decommissioning cost estimate. Specifically, under 10 CFR 72.30(b)(4):

Each holder of, or applicant for a license under this part must submit for NRC review and approval a decommissioning funding plan that must contain: ... A description of the method of assuring funds for decommissioning from paragraph (e) of this section, including means for adjusting cost estimates and associated funding levels periodically over the life of the facility.

Further, under 10 CFR 72.30(b)(6):

Each holder of, or applicant for, a license under this part must submit for NRC review and approval a decommissioning funding plan that must contain: ... A certification that financial assurance for decommissioning has been provided in the amount of the cost estimate for decommissioning.

If funds from a Part 50 external sinking fund are to be used for Part 72 decommissioning, the NRC staff must be able to determine that adequate funds for ISFSI decommissioning reside within your external sinking fund. Moreover, these funds need to be reported separately for each ISFSI and be identified as a separate line item.

Therefore, the staff requests that you provide:

1. The breakdown of the decommissioning trust funds for the ISFSIs, including subaccounts, titles, and funding levels;
2. Identification of all additional funding methods or mechanisms that are currently being used (such as a parent company guarantee) to supplement the external sinking fund or other ISFSI decommissioning funding method(s) being used; and
3. The current funding amounts in, or represented by, all such funding methods.

Please note: For all such funding methods, funds may be held in separate subaccounts that are identified for ISFSI decommissioning.

4. If in your previous 10 CFR 50.75(f) report you reported a single amount that included both estimated reactor and ISFSI decommissioning costs, then you should explicitly identify in your response (1) the estimated reactor decommissioning cost and (2) the estimated ISFSI decommissioning cost.

Please note: Future 10 CFR 50.75(f) reports should clearly delineate estimated reactor and ISFSI decommissioning costs.

This information is needed to verify compliance with 10 CFR 72.30(b).

**FPL and NextEra Energy's Response 2:**

FPL/NextEra and its joint owners have collected or prepaid funds for radiological decommissioning necessary for the ultimate termination of its reactor operating licenses under 10 CFR 50.75. The table set forth below specifically identifies: (1) decommissioning trust fund values as of December 31, 2013; (2) the projected values at shutdown; (3) the estimated reactor decommissioning costs based on the NRC minimum formula amount, as calculated for the December 31, 2013 annual review; (4) the amount of surplus in the Part 50 trust funds (i.e., the difference between (2) and (3)); and (5) the estimated ISFSI decommissioning cost, escalated to 2013 dollars. The amount of surplus in each Part 50 external sinking fund is more than sufficient to fund the estimated ISFSI decommissioning cost.

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All values in the table are reported in 2013 dollars.

Site	Trust Balance as of 12/31/13 (\$Thousands) <sup>(2)</sup>	Projected 10 CFR 50.75 Decommissioning Trust Fund Value (\$Thousands)	NRC Minimum Amount per 10 CFR 50.76(b) (\$Thousands)	Decommissioning Trust Fund Value Surplus (\$Thousands)	ISFSI Decommissioning Cost Estimate (\$Thousands)
St. Lucie Unit 1	887,381	1,376,794	501,196	875,598	2,268
St. Lucie Unit 2 - FPL	746,401	1,332,919	427,045	905,875	1,930
St. Lucie Unit 2 - FMFA	62,079	110,861	43,837	87,024	200
St. Lucie Unit 2 - OUC	38,954	69,563	30,314	39,249	138
Turkey Point Unit 3	736,415	1,063,545	484,870	578,675	2,057
Turkey Point Unit 4	831,043	1,217,590	484,870	732,720	2,057
Seabrook - NextEra	506,124	749,619	470,122	279,497	2,917
Seabrook - MMWEC	47,446	70,272	61,775	8,498	384
Seabrook - Tauton	593	879	535	344	3
Seabrook - Hudson	452	669	412	257	2
Duane Arnold - NextEra	298,850	478,566	428,615	49,952	2,138
Duane Arnold - Com Belt <sup>(1)</sup>	25,508	65,117	61,231	3,887	306
Duane Arnold - CIPCO	54,584	139,344	122,461	16,883	611
Point Beach Unit 1	349,537	523,460	452,492	70,968	1,563
Point Beach Unit 2	329,345	517,339	452,492	64,847	1,563

(1) On May 2, 2014, Com Belt Board of Directors issued a resolution to change the decommissioning real rate of return to 4%. The projected balance reflects this change. (See attached Board Resolution dated May 2, 2014 - Enclosure 6)

(2) As reported in previous biennial reports, the decommissioning trust funds for Turkey Point, St. Lucie, and Seabrook include non-segregated funds collected for spent fuel management and site restoration. As instructed by NRC, FPL/NextEra reports the total fund balance in its biennial reports and here. Due to the relative size of the ISFSI decommissioning cost estimate compared to the projected balances and the additional time available prior to commencement of ISFSI decommissioning, the ISFSI cost estimate does not significantly alter the reactor decommissioning allocations previously described.

**Enclosure 1**



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## 10 CFR 72.30 ISFSI Decommissioning Cost Estimate

### 1. Background and Introduction

The Nuclear Regulatory Commission (NRC) issued its final rule on Decommissioning Planning on June 17, 2011,<sup>[1]</sup> with the rule becoming effective on December 17, 2012. Subpart 72.30, "Financial assurance and recordkeeping for decommissioning," requires that each holder of, or applicant for, a license under this part must submit for NRC review and approval a decommissioning funding plan that contains information on how reasonable assurance will be provided that funds will be available to decommission the Independent Spent Fuel Storage Installation (ISFSI).

In accordance with the rule, this letter provides a detailed cost estimate for decommissioning the ISFSI at St. Lucie in an amount reflecting:

1. The work is performed by an independent contractor;
2. An adequate contingency factor; and
3. Release of the facility and dry storage systems for unrestricted use, as specified in 10 CFR Part 20.1402.

This letter also provides:

1. Identification of the key assumptions contained in the cost estimate; and
2. The volume of onsite subsurface material containing residual radioactivity, if any, that will require remediation to meet the criteria for license termination.

### 2. Spent Fuel Management Strategy

The operating licenses for Units 1 and 2 at St. Lucie are currently set to expire on March 1, 2036 and April 6, 2043, respectively. Approximately 6,822 spent fuel assemblies are currently projected to be generated as a result of plant operations through the license expiration dates.

Under the current spent fuel management plan, and assuming that the units operate to the end of their currently licensed lives, approximately 2,720 spent fuel assemblies in 85 modules will have been relocated to the ISFSI during Unit 1 plant operations. Another 1,478 spent fuel assemblies are expected to be transferred to the ISFSI once operations cease (fuel that cannot be directly transferred from the pools to the DOE within the first 5 years of pool operations).

<sup>1</sup> U.S. Code of Federal Regulations, Title 10, Parts 20, 30, 40, 50, 70 and 72 "Decommissioning Planning," Nuclear Regulatory Commission, Federal Register Volume 76, Number 117 (p 35512 et seq.), June 17, 2011

To facilitate immediate dismantling or safe-storage operations, the spent fuel is assumed to be packaged in dry storage containers (DSCs) for interim storage at the ISFSI. Transferring the spent fuel from the pool to the ISFSI will permit decontamination and dismantling of the spent fuel pool systems and fuel pool areas or resulting in reduced operating expenses should the station be placed into a SAFSTOR dormancy configuration.

Completion of the ISFSI decommissioning process is dependent upon the DOE's ability to remove spent fuel from the site. DOE's repository program assumes that spent fuel allocations will be accepted for disposal from the nation's commercial nuclear plants, with limited exceptions, in the order (the "queue") in which it was discharged from the reactor.<sup>[2]</sup> For purposes of this analysis, Florida Power & Light Company's (FPL) current spent fuel management plan for the St. Lucie spent fuel<sup>[3]</sup> is based upon the first assemblies being removed from the site in 2032. Assuming a maximum rate of transfer of 3,000 metric tons of uranium/year,<sup>[4]</sup> the spent fuel is projected to be completely removed from the St. Lucie site in 2073.

### 3. ISFSI Decommissioning Strategy

At the conclusion of the spent fuel transfer process the ISFSI will be promptly decommissioned (similar to the power reactor DECON alternative) by removing and disposing of residual radioactivity and verifying that remaining materials satisfy NRC release criteria.

For purposes of providing an estimate for a funding plan, financial assurance is expected to be provided on the basis of a prompt ISFSI decommissioning scenario. In this estimate the ISFSI decommissioning is considered an independent project, regardless of the decommissioning alternative identified for the nuclear power plant.

### 4. ISFSI Description

The St. Lucie ISFSI is based upon a NUHOMS®-32PTH dry storage system and is operated under a general license (10 CFR Part 50). The NUHOMS® system is comprised of a DSC and a horizontal storage module (HSM). The DSCs are assumed to be transferred directly to the DOE and not returned to the station. Some of the remaining HSMs are assumed to have residual radioactivity due to some minor level of neutron-

<sup>2</sup> U.S. Code of Federal Regulations, Title 10, Part 961.11, Article IV – Responsibilities of the Parties, B. DOE Responsibilities, 5.(a) ... DOE shall issue an annual acceptance priority ranking for receipt of SNF and/or HLW at the DOE repository. This priority ranking shall be based on the age of SNF and/or HLW as calculated from the date of discharge of such materials from the civilian nuclear power reactor. The oldest fuel or waste will have the highest priority for acceptance, except as ..."

<sup>3</sup> "Decommissioning Cost Analysis for the St. Lucie Nuclear Plant, Units 1 and 2," prepared for Florida Power & Light Company by TLG Services, Inc., Document No. F02-1630-001, Rev. 0, December 2010

<sup>4</sup> "Acceptance Priority Ranking & Annual Capacity Report," DOE/RW-0567, July 2004

induced activation as a result of the long-term storage of the spent fuel. The cost to dispose of residual radioactivity, and verify that the remaining facility and surrounding environs meet the NRC's radiological limits established for unrestricted use, form the basis of the ISFSI decommissioning estimate.

FPL's current spent fuel management plan for the St. Lucie spent fuel would result in 132 HSMs (nominal 32 assemblies per DSC) being in position on the storage pad at the site after all spent fuel has been removed from the spent fuel pools. This represents 62% of the total spent fuel projected to be generated during the currently licensed operating period.

In addition to the spent fuel HSMs located on the ISFSI pad after shutdown there are projected to be additional HSMs that are expected to be used for Greater-than-Class-C (GTCC) storage. The HSMs used for the GTCC canisters (estimated quantity of 8) are not expected to have any interior contamination or residual activation and can be reused or disposed of by conventional means after a final status survey.

Table 1 provides the significant quantities and physical dimensions used as the basis in developing the ISFSI decommissioning estimate.

#### 5. Key Assumptions / Estimating Approach

The decommissioning estimate is based on the configuration of the ISFSI expected after all spent fuel and GTCC material has been removed from the site. The configuration of the ISFSI is based on the two units at St. Lucie operating until the end of their current licenses, March 1, 2036 and April 6, 2043, respectively, and the assumptions associated with DOE's spent fuel acceptance, as previously described.

The nominal size of the ISFSI pad is sufficient to store the projected amount of spent fuel and is expected to be approximately 287 feet in width, and 457 feet in length.

It is not expected that the HSMs will have any interior or exterior radioactive surface contamination. It is expected that this assumption would be confirmed as a result of good radiological practice of surveying potentially impacted areas after each spent fuel transfer campaign. Any neutron activation of the steel and concrete is expected to be extremely small. To validate this assumption, the estimate accounts for characterization of 10% of the HSMs; it is likely that some of this characterization will take place well before the last of the fuel is removed from the ISFSI in order to establish a more definitive decommissioning scope.

The decommissioning estimate is based on the premise that some of the DSC support structure within the HSMs will contain low levels of neutron-induced residual radioactivity that would necessitate remediation at the time of decommissioning. As an allowance, 14 of the 132 HSMs are assumed to be affected, i.e., contain residual radioactivity. The allowance quantity is based upon the number of DSCs required for the

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final core off-load (i.e., 217 offloaded assemblies per unit for 434 total, 32 assemblies per DSC) which results in a total of approximately 14 HSMs that contain residual radioactivity.

It is not expected that there will be any residual contamination left on the concrete ISFSI pad. It is expected that this assumption would be confirmed as a result of good radiological practice of surveying potentially impacted areas after each spent fuel transfer campaign. Therefore, it is assumed for this analysis that the ISFSI pad will not be contaminated. As such, only verification surveys are included for the pad in the decommissioning estimate.

FPL has no record of onsite subsurface material associated with the ISFSI containing residual radioactivity that will require remediation to meet the criteria for license termination.

To support an application for License Termination, the estimate assumes that a Final Status Survey will be performed; this will include a 100% survey of the ISFSI pad and the immediate area surrounding the pad, and a significant fraction of the HSMs surfaces.

Decommissioning is assumed to be performed by an independent contractor. As such, essentially all labor, equipment, and material costs are based on national averages, i.e., costs from national publications such as R.S. Means' Building Construction Cost Data (adjusted for regional variations), and laboratory service costs are based on vendor price lists. FPL, as licensee, will oversee the site activities; the estimate includes FPL's labor and overhead costs. The licensee's costs are based upon current, average, fleet salaries and associated expenses, for selected positions.

Low-level radioactive waste transport and disposal costs are based on rates consistent with the most recently developed decommissioning cost estimate (year 2010 dollars), escalated to 2012 dollars.

Costs are reported in 2012 dollars.

Contingency has been added at an overall rate of 25%. This is consistent with the contingency evaluation criteria referenced by the NRC in NUREG-1757.<sup>5</sup>

The estimate is limited to costs necessary to terminate the ISFSI's NRC license and meet the §20.1402 criteria for unrestricted use. Disposition of released material and structures is outside the scope of the estimate.

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<sup>5</sup> "Consolidated Decommissioning Guidance, Financial Assurance, Recordkeeping, and Timeliness," U.S. Nuclear Regulatory Commission's Office of Nuclear Material Safety and Safeguards, NUREG-1757, Volume 3, Revision 1, February 2012

**6. Cost Estimate**

The estimated cost to decommission the ISFSI and release the facility for unrestricted use is provided in Table 2. The cost has been organized into three phases, including:

- An initial planning phase - empty HSMs are characterized and the specifications and work procedures for the decontamination (DSC support structure removal) developed.
- The remediation phase - residual radioactivity is removed, packaged in certified waste containers, transported to the low-level waste site, and disposed of at low-level waste.
- The final phase - license termination surveys, independent surveys are completed, and an application for license termination submitted.

In addition to the direct costs associated with a contractor providing the decommissioning services, the estimate also contains costs for the NRC (and NRC contractor), FPL's oversight staff, site security (industrial), and other site operating costs.

For estimating purposes it should be conservatively assumed that all expenditures will be incurred in the year 2074, the year following all spent fuel removal.

**Table 1**  
**Significant Quantities and Physical Dimensions**

ISFSI Pad

Item	Length (ft)	Width (ft)	Residual Radioactivity
ISFSI Pad	457	287	No

ISFSI Horizontal Storage Module

Item	Value	Notes (all dimensions are nominal)
Outside Height (inches)	222	without vent cover
Outside Length (inches)	248	without shield walls
Outside Width (inches)	116	without shield walls
Quantity (total)	140	Spent Fuel (132) GTCC (8)
Quantity (with residual radioactivity)	14	Equivalent to the number of HSMs used to store last complete core offload
HSM Internal Steel with Residual Radioactivity (pounds)	68,600	
Low-Level Radioactive Waste (cubic feet)	1,292	
Low-Level Radioactive Waste (packaged density)	55	Average weight density

Other Potentially Impacted Items

Item	Value	Notes
Number of HSMs used for GTCC storage	8	no residual radioactivity

**Table 2**  
**ISFSI Decommissioning Costs<sup>1</sup> and Waste Volumes**

	(thousands, 2012 dollars)						Waste Volume (ft <sup>3</sup> )	Person-Hours		
	Removal	Packaging	Transport	Disposal	Other	Total		Contractor	Licensee	NRC / NRC Contractor
<b>Decommissioning Contractor</b>										
Planning (characterization, specs and procedures)	-	-	-	-	239	239	-	18,722	-	-
Remediation (activated metal removal)	413	7	21	262	53	756	1,292	-	-	-
License Termination (radiological surveys)	-	-	-	-	1,670	1,670	-	17,642	-	-
<b>Subtotal</b>	<b>413</b>	<b>7</b>	<b>21</b>	<b>262</b>	<b>1,962</b>	<b>2,665</b>	<b>1,292</b>	<b>36,365</b>	<b>-</b>	<b>-</b>
<b>Supporting Costs</b>										
NRC and NRC Contractor Fees and Costs	-	-	-	-	177	177	-	-	-	776
Insurance	-	-	-	-	171	171	-	-	-	-
Florida LLRW Inspection Fee	-	-	-	-	3	3	-	-	-	-
Security (industrial)	-	-	-	-	232	232	-	6,193	-	-
Licensee Oversight Staff	-	-	-	-	327	327	-	-	4,698	-
<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>910</b>	<b>910</b>	<b>-</b>	<b>6,193</b>	<b>4,698</b>	<b>776</b>
<b>Total (w/o contingency)</b>	<b>413</b>	<b>7</b>	<b>21</b>	<b>262</b>	<b>2,872</b>	<b>3,574</b>	<b>1,292</b>	<b>42,558</b>	<b>4,698</b>	<b>776</b>
<b>Total (w/25% contingency)</b>	<b>516</b>	<b>9</b>	<b>27</b>	<b>327</b>	<b>3,589</b>	<b>4,468</b>				

Note 1: for funding planning purposes decommissioning costs can be assumed to be incurred in year 2074

**Enclosure 2**



## 10 CFR 72.30 ISFSI Decommissioning Cost Estimate

### 1. Background and Introduction

The Nuclear Regulatory Commission (NRC) issued its final rule on Decommissioning Planning on June 17, 2011,<sup>[1]</sup> with the rule becoming effective on December 17, 2012. Subpart 72.30, "Financial assurance and recordkeeping for decommissioning," requires that each holder of, or applicant for, a license under this part must submit for NRC review and approval a decommissioning funding plan that contains information on how reasonable assurance will be provided that funds will be available to decommission the Independent Spent Fuel Storage Installation (ISFSI).

In accordance with the rule, this letter provides a detailed cost estimate for decommissioning the ISFSI at Turkey Point in an amount reflecting:

1. The work is performed by an independent contractor;
2. An adequate contingency factor; and
3. Release of the facility and dry storage systems for unrestricted use, as specified in 10 CFR Part 20.1402.

This letter also provides:

1. Identification of the key assumptions contained in the cost estimate; and
2. The volume of onsite subsurface material containing residual radioactivity, if any, that will require remediation to meet the criteria for license termination.

### 2. Spent Fuel Management Strategy

The operating licenses for Units 3 and 4 at Turkey Point are currently set to expire on July 19, 2032 and April 10, 2033, respectively. Approximately 4,660 spent fuel assemblies are currently projected to be generated as a result of plant operations through the license expiration dates.

Under the current spent fuel management plan, and assuming that the units operate to the end of their currently licensed lives, approximately 2,112 spent fuel assemblies in 66 modules will have been relocated to the ISFSI during plant operations. Another 1,684 spent fuel assemblies are expected to be transferred to the ISFSI once operations cease (fuel that cannot be directly transferred from the pools to the DOE within the first 5 years of pool operations).

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<sup>1</sup> U.S. Code of Federal Regulations, Title 10, Parts 20, 30, 40, 50, 70 and 72 "Decommissioning Planning," Nuclear Regulatory Commission, Federal Register Volume 76, Number 117 (p 35512 et seq.), June 17, 2011

To facilitate immediate dismantling or safe-storage operations, the spent fuel is assumed to be packaged in dry storage containers (DSCs) for interim storage at the ISFSI. Transferring the spent fuel from the pool to the ISFSI will permit decontamination and dismantling of the spent fuel pool systems and fuel pool areas or resulting in reduced operating expenses should the station be placed into a SAFSTOR dormancy configuration.

Completion of the ISFSI decommissioning process is dependent upon the DOE's ability to remove spent fuel from the site. DOE's repository program assumes that spent fuel allocations will be accepted for disposal from the nation's commercial nuclear plants, with limited exceptions, in the order (the "queue") in which it was discharged from the reactor.<sup>[2]</sup> For purposes of this analysis, Florida Power & Light Company's (FPL) current spent fuel management plan for the Turkey Point spent fuel<sup>[3]</sup> is based upon the first assemblies being removed from the site in 2031. Assuming a maximum rate of transfer of 3,000 metric tons of uranium/year,<sup>[4]</sup> the spent fuel is projected to be completely removed from the Turkey Point site in 2072.

### 3. ISFSI Decommissioning Strategy

At the conclusion of the spent fuel transfer process the ISFSI will be promptly decommissioned (similar to the power reactor DECON alternative) by removing and disposing of residual radioactivity and verifying that remaining materials satisfy NRC release criteria.

For purposes of providing an estimate for a funding plan, financial assurance is expected to be provided on the basis of a prompt ISFSI decommissioning scenario. In this estimate the ISFSI decommissioning is considered an independent project, regardless of the decommissioning alternative identified for the nuclear power plant.

### 4. ISFSI Description

The Turkey Point ISFSI is based upon a NUHOMS®-32PT dry storage system and is operated under a general license (10 CFR Part 50). The NUHOMS® system is comprised of a DSC and a horizontal storage module (HSM). The DSCs are assumed to be transferred directly to the DOE and not returned to the station. Some of the remaining HSMs are assumed to have residual radioactivity due to some minor level of neutron-

<sup>2</sup> U.S. Code of Federal Regulations, Title 10, Part 961.11, Article IV – Responsibilities of the Parties, B. DOE Responsibilities, 5.(a) ... DOE shall issue an annual acceptance priority ranking for receipt of SNF and/or HLW at the DOE repository. This priority ranking shall be based on the age of SNF and/or HLW as calculated from the date of discharge of such materials from the civilian nuclear power reactor. The oldest fuel or waste will have the highest priority for acceptance, except as ..."

<sup>3</sup> "Decommissioning Cost Analysis for the Turkey Point Nuclear Plant, Units 3 and 4," prepared for Florida Power & Light Company by TLG Services, Inc., Document No. F02-1630-002, Rev. 0, December 2010

<sup>4</sup> "Acceptance Priority Ranking & Annual Capacity Report," DOE/RW-0567, July 2004

induced activation as a result of the long-term storage of the spent fuel. The cost to dispose of residual radioactivity, and verify that the remaining facility and surrounding environs meet the NRC's radiological limits established for unrestricted use, form the basis of the ISFSI decommissioning estimate.

FPL's current spent fuel management plan for the Turkey Point spent fuel would result in 120 HSMs (nominal 32 assemblies per DSC) being in position on the storage pad at the site after all spent fuel has been removed from the spent fuel pools. This represents 82% of the total spent fuel projected to be generated during the currently licensed operating period.

In addition to the spent fuel HSMs located on the ISFSI pad after shutdown there are projected to be additional HSMs that are expected to be used for Greater-than-Class-C (GTCC) storage. The HSMs used for the GTCC canisters (estimated quantity of 6) are not expected to have any interior contamination or residual activation and can be reused or disposed of by conventional means after a final status survey.

Table 1 provides the significant quantities and physical dimensions used as the basis in developing the ISFSI decommissioning estimate.

#### **5. Key Assumptions / Estimating Approach**

The decommissioning estimate is based on the configuration of the ISFSI expected after all spent fuel and GTCC material has been removed from the site. The configuration of the ISFSI is based on the two units at Turkey Point operating until the end of their current licenses, July 19, 2032 and April 10, 2033, respectively, and the assumptions associated with DOE's spent fuel acceptance, as previously described.

The nominal size of the ISFSI pad is sufficient to store the projected amount of spent fuel and is expected to be approximately 128 feet in width, and 780 feet in length.

It is not expected that the HSMs will have any interior or exterior radioactive surface contamination. It is expected that this assumption would be confirmed as a result of good radiological practice of surveying potentially impacted areas after each spent fuel transfer campaign. Any neutron activation of the steel and concrete is expected to be extremely small. To validate this assumption, the estimate accounts for characterization of 10% of the HSMs; it is likely that some of this characterization will take place well before the last of the fuel is removed from the ISFSI in order to establish a more definitive decommissioning scope.

The decommissioning estimate is based on the premise that some of the DSC support structure within the HSMs will contain low levels of neutron-induced residual radioactivity that would necessitate remediation at the time of decommissioning. As an allowance, 10 of the 120 HSMs are assumed to be affected, i.e., contain residual radioactivity. The allowance quantity is based upon the number of DSCs required for the

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final core off-load (i.e., 157 offloaded assemblies per unit for 314 total, 32 assemblies per DSC) which results in a total of approximately 10 HSMs that contain residual radioactivity.

It is not expected that there will be any residual contamination left on the concrete ISFSI pad. It is expected that this assumption would be confirmed as a result of good radiological practice of surveying potentially impacted areas after each spent fuel transfer campaign. Therefore, it is assumed for this analysis that the ISFSI pad will not be contaminated. As such, only verification surveys are included for the pad in the decommissioning estimate.

FPL has no record of onsite subsurface material associated with the ISFSI containing residual radioactivity that will require remediation to meet the criteria for license termination.

To support an application for License Termination, the estimate assumes that a Final Status Survey will be performed; this will include a 100% survey of the ISFSI pad and the immediate area surrounding the pad, and a significant fraction of the HSMs surfaces.

Decommissioning is assumed to be performed by an independent contractor. As such, essentially all labor, equipment, and material costs are based on national averages, i.e., costs from national publications such as R.S. Means' Building Construction Cost Data (adjusted for regional variations), and laboratory service costs are based on vendor price lists. FPL, as licensee, will oversee the site activities; the estimate includes FPL's labor and overhead costs. The licensee's costs are based upon current, average, fleet salaries and associated expenses, for selected positions.

Low-level radioactive waste transport and disposal costs are based on rates consistent with the most recently developed decommissioning cost estimate (year 2010 dollars), escalated to 2012 dollars.

Costs are reported in 2012 dollars.

Contingency has been added at an overall rate of 25%. This is consistent with the contingency evaluation criteria referenced by the NRC in NUREG-1757.<sup>51</sup>

The estimate is limited to costs necessary to terminate the ISFSI's NRC license and meet the §20.1402 criteria for unrestricted use. Disposition of released material and structures is outside the scope of the estimate.

<sup>51</sup> "Consolidated Decommissioning Guidance, Financial Assurance, Recordkeeping, and Timeliness," U.S. Nuclear Regulatory Commission's Office of Nuclear Material Safety and Safeguards, NUREG-1757, Volume 3, Revision 1, February 2012

**6. Cost Estimate**

The estimated cost to decommission the ISFSI and release the facility for unrestricted use is provided in Table 2. The cost has been organized into three phases, including:

- An initial planning phase - empty HSMs are characterized and the specifications and work procedures for the decontamination (DSC support structure removal) developed.
- The remediation phase - residual radioactivity is removed, packaged in certified waste containers, transported to the low-level waste site, and disposed of at low-level waste.
- The final phase - license termination surveys, independent surveys are completed, and an application for license termination submitted.

In addition to the direct costs associated with a contractor providing the decommissioning services, the estimate also contains costs for the NRC (and NRC contractor), FPL's oversight staff, site security (industrial), and other site operating costs.

For estimating purposes it should be conservatively assumed that all expenditures will be incurred in the year 2073, the year following all spent fuel removal.

**Table 1**  
**Significant Quantities and Physical Dimensions**

ISFSI Pad

Item	Length (ft)	Width (ft)	Residual Radioactivity
ISFSI Pad	780	128	No

ISFSI Horizontal Storage Module

Item	Value	Notes (all dimensions are nominal)
Outside Height (inches)	222	without vent cover
Outside Length (inches)	248	without shield walls
Outside Width (inches)	116	without shield walls
Quantity (total)	126	Spent Fuel (120) GTCC (6)
Quantity (with residual radioactivity)	10	Equivalent to the number of HSMs used to store last complete core offload
HSM Internal Steel with Residual Radioactivity (pounds)	48,980	
Low-Level Radioactive Waste (cubic feet)	958	
Low-Level Radioactive Waste (packaged density)	54	Average weight density

Other Potentially Impacted Items

Item	Value	Notes
Number of HSMs used for GTCC storage	6	no residual radioactivity

**Table 2**  
**ISFSI Decommissioning Costs<sup>1</sup> and Waste Volumes**

	(thousands, 2012 dollars)						Waste Volume (ft <sup>3</sup> )	Person-Hours		
	Removal	Packaging	Transport	Disposal	Other	Total		Contractor	Licensee	NRC / NRC Contractor
<b>Decommissioning Contractor</b>										
Planning (characterization, specs and procedures)	-	-	-	-	216	216	-	15,536	-	-
Remediation (activated metal removal)	384	6	16	189	53	648	958	-	-	-
License Termination (radiological surveys)	-	-	-	-	1,468	1,468	-	14,480	-	-
<b>Subtotal</b>	<b>384</b>	<b>6</b>	<b>16</b>	<b>189</b>	<b>1,737</b>	<b>2,332</b>	<b>958</b>	<b>30,015</b>	<b>-</b>	<b>-</b>
<b>Supporting Costs</b>										
NRC and NRC Contractor Fees and Costs	-	-	-	-	176	176	-	-	-	776
Insurance	-	-	-	-	171	171	-	-	-	-
Florida LLRW Inspection Fee	-	-	-	-	2	2	-	-	-	-
Security (industrial)	-	-	-	-	235	235	-	6,193	-	-
Licensee Oversight Staff	-	-	-	-	327	327	-	-	4,698	-
<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>911</b>	<b>911</b>	<b>-</b>	<b>6,193</b>	<b>4,698</b>	<b>776</b>
<b>Total (w/o contingency)</b>	<b>384</b>	<b>6</b>	<b>16</b>	<b>189</b>	<b>2,648</b>	<b>3,243</b>	<b>958</b>	<b>36,208</b>	<b>4,698</b>	<b>776</b>
<b>Total (w/25% contingency)</b>	<b>480</b>	<b>7</b>	<b>21</b>	<b>236</b>	<b>3,310</b>	<b>4,054</b>				

Note 1: for funding planning purposes decommissioning costs can be assumed to be incurred in year 2073

QUESTION:

Please generally discuss how the company's 2010 decommissioning study for Turkey Point Units 3 & 4 addresses, if at all, the decommissioning or remediation of the plants onsite cooling canal system.

RESPONSE:

For purposes of this response, FPL assumes the question is referring to the company's 2015 decommissioning cost study for Turkey Point Units 3 & 4. The 2015 decommissioning cost study does not include costs to decommission or remediate the onsite cooling canal system.



**QUESTION:**

Referring to FPL's response to Staff's First Data Request, No. 89, please elaborate on the statement "FPL intends to optimize the fuel to be loaded in the last cycle to minimize the amount of unburned fuel remaining at shutdown (e.g., enrichment, number of fuel assemblies, etc.)."

**RESPONSE:**

Core designs for each cycle are prepared considering that energy generated by the fuel is needed for two or three cycles. For the last two or three cycles of operation these core designs can be optimized by using a design that assumes that less carryover energy will be needed.

QUESTION:

Please submit a copy of the Tri-State Motor Transit Radioactive Material Tariff used in formulating transportation costs for FPL's 2015 Decommissioning studies.

RESPONSE:

A copy is provided as Attachment No. 1 to this response.

**Florida Power & Light Company**  
**Docket No. 150265-EI**  
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TSMT 4007-E

Radioactive Materials Tariff

5<sup>th</sup> Revised Page 3

TRI-STATE MOTOR TRANSIT CO.		
RULES AND GOVERNING PROVISIONS		
ACCESSORIAL CHARGES		ITEM 165
<p>The following exceptions to the accessorial charges in TSMT 100 series Rules Tariff will apply on shipments rated under the provisions of this tariff. These charges will apply in addition to all other applicable charges.</p>		
Service	Charge	Reference TSMT 100, Item No.
Stop-Offs	\$100 for the 1 <sup>st</sup> stop \$200 for the 2 <sup>nd</sup> stop \$300 for the 3 <sup>rd</sup> stop Shipments requiring more than 3 stops shall be negotiated. Minimum Charge \$900 per 24-hour period (or fraction thereof). The 24-hour period begins from the appointment time or arrival time of the truck at the first pick-up (whichever comes later), and continues until the truck has been off-loaded at the final delivery.	900
Detention - Tractor and Trailer	2 hours free time to load and unload, \$100 for each additional hour (or fraction thereof) for all hours, subject to a maximum charge of \$1200 (↑\$1500 for shipments of irradiated reactor elements or spent fuel) for any 24-hour period.	500
Detention - Trailer Only	\$100 per 24-hour period (or fraction thereof) plus a bobtail charge of \$1.75 per mile, minimum \$200.	500
Round Trip - Round Trip Shipments are defined as a shipment tendered from origin to delivery point and return to original origin. Return portion must be tendered within 24 hours of arrival at destination.	Subject to 90% of the applicable line-haul rate. One free stop-off is allowed. Detention charges will apply.	
Vehicle furnished but not Used	\$1000 per vehicle ordered and not used. If shipment is not tendered within 6 hours after arrival at origin, carrier's equipment shall be considered released and subject to the charges in this paragraph.	975
Check Calls	Driver required to Check call every 4-5 hours - 15 cents p/mi Driver required to Check call every 2-3 hours - 25 cents p/mi	
Load Monitoring Arbitrary	\$25.00 per load	
CONTROL AND EXCLUSIVE USE OF VEHICLE		ITEM 470
<p>When exclusive use of carrier's equipment is requested or required by the shipper or consignee, carrier will furnish a vehicle exclusively for the use by shipper. The carrier will not transfer the shipment to other vehicles or load any additional freight on the same vehicle. "Exclusive Use of the Vehicle" does not mean expedited service.</p> <p>The minimum charge for freight on each such vehicle will be based on the actual rate, but in no case less than \$3.00 per mile, minimum charge \$1200.00.</p>		
For explanation of reference marks and abbreviations, see last page of tariff.		
ISSUED: August 1, 2012		EFFECTIVE: August 1, 2012
ISSUED BY: Judith Christiansen, Manager of Pricing P.O. Box 113, Joplin, Missouri 64802		

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Radioactive Materials Tariff

7<sup>th</sup> Revised Page 8

TRI-STATE MOTOR TRANSIT CO.			
RULES AND GOVERNING PROVISIONS			
REGULATORY REQUIREMENTS, GOVERNMENTAL (NOTE 1)			ITEM 843
<p>(a) Shipments originating in, destined for, or traversing any state, county, city, or other municipality requiring a tax, fee, permit or prior notification, due solely to the hazardous nature of the shipment will be subject to an arbitrary charge of \$25.00 for each such permit or notification, plus the actual costs of permit and any associated wire charges.</p> <p>(b) Placarded shipments originating in, destined for, or traversing the following states will be subject to the charges shown below. The charges shown in this paragraph are not subject to the arbitrary charge in paragraph (a).</p>			
State	Charge	State	Charge
CO	\$225.00 (Highway Route Control only)	NV	\$25.00 (Waste Only)
CT	\$50.00	NH	\$40.00
GA	\$69.00	NY	\$95.00 (Radioactive Waste Only)
IA	\$175.00	OR	\$95.00
ID	\$50.00	WA	\$25.00
IN	← (c-1)	WY	\$225.00 per cask (Highway Route Control Only)
MO	← (c-1)		
NOTE 1 - All charges in this item will be assessed in addition to all other applicable charges.			
RULES, REFERENCE TO			ITEM 870
<p>This tariff is governed, except as otherwise provided herein, by rules published in TSMT 100 series tariffs, and supplements thereto or successive issues thereof.</p> <p>Where a rule is published in this tariff covering the same service as a rule published in TSMT 100 series, such rule published herein, to the extent of its application, will apply in lieu of the rule published in TSMT 100 series.</p>			
SELECTION OF HAZARDOUS WASTE DISPOSAL SITES			ITEM 885
<p>Carrier does not select or recommend the selection of any hazardous waste treatment, storage, or disposal facilities, or recycling facilities. Carrier offers its services as a transporter of hazardous wastes, for hire to the general public. The proper identification and permitting of hazardous wastes and the selection of disposal facilities is the sole responsibility of the shipper/consignee or its designee.</p>			
COMMODITY LIST RADIOACTIVE MATERIAL (and other commodities)			ITEM 1000
<ol style="list-style-type: none"> <li>1) Containers, Empty Radioactive Material Shipping</li> <li>2) Fissionable Material (U235, U233, Pu)</li> <li>3) General Commodities contaminated by Radioactive Material</li> <li>4) Nuclear reactor component parts and related equipment (NC Intra-State only)</li> <li>5) Radioactive Material</li> <li>6) Radioactive Material and Related Articles classified or designated sensitive by the U.S. Government</li> <li>7) Reactors containing fuel</li> <li>8) Reactor Components containing fuel</li> </ol>			
For explanation of reference marks and abbreviations, see last page of tariff.			
ISSUED: March 12, 2013		EFFECTIVE: March 12, 2013	
ISSUED BY: Judith Christiansen, Manager of Pricing P.O. Box 113, Joplin, Missouri 64802			

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Radioactive Materials Tariff

10th Revised Page 10

TRI-STATE MOTOR TRANSIT CO.					
SECTION 1 - NON-ALTERNATING RATES					
COMMODITY	FROM	TO	↑RATE	ITEM	
Radioactive Materials, including: Uranium Concentrate, Unirradiated Nuclear Reactor Fuel Assemblies, Radioactive Waste, Irradiated Reactor Fuel Elements,	Washington	Washington	\$3.52 per mlie, minimum charge \$1428.00	17500	
Irradiated Reactor Fuel Elements, Spent Fuel Note 1	U.S. Points	U.S. Points	Rates in Cents per 100 Pounds per Mile - 36M Minimum Charge - \$1785	18000	
			0 - 250 miles		2.168
			251- 500 miles		2.333
			501-750 miles		1.675
			751-1000 miles		1.437
Over 1000 miles	1.375				
<p>Note 1 - When a tractor equipped with a radio-telephone and/or disabling device is required, mileage shall be computed from Joplin, Missouri or point of availability. The rate for deadhead of this item of special equipment shall be ↑\$2.98 per mile, subject to a minimum ↑\$537.00. Shipper-requested service trucks will be subject to an additional charge to be negotiated at time of dispatch.</p>					
THIS SPACE INTENTIONALLY LEFT BLANK.					
For explanation of reference marks and abbreviations, see last page of tariff.					
ISSUED: May 1, 2014			EFFECTIVE: May 16, 2014		
ISSUED BY: Judith Christiansen, Manager of Pricing P.O. Box 113, Joplin, Missouri 64802					

**Florida Power & Light Company**  
**Docket No. 150265-EI**  
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Radioactive Materials Tariff

22<sup>nd</sup> Revised Page 12

TRI-STATE MOTOR TRANSIT CO.		
SECTION 2- TRUCKLOAD RATES (in cents per mile)		
		ITEM 21000 (NOTES 1 thru 5)
COMMODITY: RADIOACTIVE MATERIALS, NOI		
BETWEEN	AND	RATE
U.S. Points	<b>TABLE 1</b> <i>(Not applicable between AZ, CA, ID, NM, NV, UT)</i>  FL(S), ME, MT, ND, NM, SD, TX(W), VT, WY	424
	<b>TABLE 2</b> U.S. Points <i>(except as otherwise provided)</i>	297
AZ, CA, ID, NM, NV, UT	<b>TABLE 3</b> AZ, CA, ID, NM, NV, UT	340
FROM: CA, WA	TO: Points in and east of TX, OK, KS, IA, MN	271
BETWEEN: U.S. Points	<b>TABLE 5</b> AND Canada	440
FROM: U.S. Points	TO: @Idaho, Nevada, Utah	309 – Vans Only 337
FROM: U.S. Points	TO: CT, DE, DC, FL(N), IA, LA, MA MD, MI, MN, NE, NJ, NY, OR, WA, WI	309
NOTE 1 - Minimum charge $\uparrow$ \$1604.00 per truck used. ( $\uparrow$ \$2500 when originating at or destined to Canada)		
NOTE 2 - When required, a flat charge will apply on the following equipment in addition to all other applicable charges Drop-Frame Trailer .....\$200.00 Lowboy Trailer .....\$300.00		
NOTE 3 - On shipments destined to, or originating in New York, NY and points on Long Island, NY, an arbitrary charge of \$450.00 per vehicle (\$550 on shipments requiring overdimension or overweight permits) will apply. See Item 340, GRT.		
NOTE 4 - Shipments exceeding 45,000 pounds shall be subject to an additional charge of 7¢ per 1000 lbs. (or fraction thereof) per mile. Rate shall be computed on a minimum distance of 500 miles.		
NOTE 5 - When rates are named in cents per loaded mile, and a lower charge can be obtained by applying a rate to a greater than actual distance, such lower charge will apply.		
For explanation of reference marks and abbreviations, see last page of tariff.		
ISSUED: July 11, 2014		EFFECTIVE: August 1, 2014
ISSUED BY: Sarah Harrell, Manager of Pricing P.O. Box 113, Joplin, Missouri 64802		

Florida Power & Light Company  
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Radioactive Materials Tariff

15<sup>th</sup> Revised Page 13

TRI-STATE MOTOR TRANSIT CO. SECTION 3 - TRUCKLOAD RATES	
ITEM 26000	
COMMODITY: Empty Containers	
BETWEEN: All points in the United States and Canada (NOTE 2) as provided in Item 650.	
RATES (NOTE 1,3)	
Description	Rate
EMPTY CONTAINERS	↑271 cents per mile
ITEM 27000	
COMMODITY: Radioactive Materials, NOI, In Dromedary Service, maximum weight 4,000 lbs.	
BETWEEN: U.S. Points	
RATE: ↑ \$1.69 per mile, minimum charge ↑\$743.00 per drom.	
NOTE 1 - Minimum charge ↑\$1070.00 per truck used.	
NOTE 2 - ↑Shipments originating at or destined to Canada shall be subject to a minimum line-haul charge of \$4.40 per mile, min \$2186.00.	
NOTE 3 - Shipments exceeding 45,000 pounds shall be subject to an additional charge of 7¢ per 1000 lbs. (or fraction thereof) per mile. Rate shall be computed on a minimum distance of 500 miles.	
THIS SPACE INTENTIONALLY LEFT BLANK	
For explanation of reference marks and abbreviations, see last page of tariff.	
ISSUED: May 1, 2014	EFFECTIVE: May 16, 2014
ISSUED BY: Judith Christiansen, Manager of Pricing P.O. Box 113, Joplin, Missouri 64802	

**Florida Power & Light Company**  
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5<sup>th</sup> Revised Page 32

TRI-STATE MOTOR TRANSIT CO.			
SECTION 1 - RULES AND GOVERNING PROVISIONS			
OVERWEIGHT SHIPMENTS (NOTES A,B,C,D)			Item 675
<p style="text-align: center;">Any shipment which requires an overweight permit shall be assessed, in addition to all other applicable charges, an excess weight charge for each state transported from, to, or through, as shown in this item:</p>			
STATE	↑OVERWEIGHT CHARGE, PER VEHICLE USED	STATE	↑OVERWEIGHT CHARGE, PER VEHICLE USED
AL	\$53.00 up to 115M Gross \$68.00 over 115M to 125M Gross \$123.00 over 125M to 150M Gross \$153.00 for over 150M Gross	IA	\$43.00
AZ	\$113.00	KS	\$53.00, if over 16'6" wide...\$63.00
AR	\$58.00 plus a charge per ton (or fraction thereof) on weight in excess of 80M gross: 0 - 100 miles ..... \$ 9.00 101-150 miles ..... \$11.00 151-200 miles ..... \$13.00 201-250 miles ..... \$15.00 Over 250 miles ..... \$17.00	KY	\$98.00
CA	\$138.00	LA	Charge in dollars per Truck Used
CO	\$113.00 up to 140M gross  \$148.00 over 140M Gross plus \$10.00 per axle Shipments 12' wide or more are subject to an additional charge of \$252.00		Gross Weight      Distance
CT	\$61.00		not over      over
DE	\$66 plus \$10 for each 8M, or fraction thereof, Over 80M gross		50    100    150    200    200
DC	\$62		to 100M    53    63    73    88    108
FL	See NOTE F		100M to 108M    68    98    143    188    228
GA	\$66.00 up to 180M gross, \$158 over 180M		108M to 120M    78    138    198    258    318
ID	\$44.00 up to 110M gross \$78.00 over 110M to 120M gross \$148.00 over 120M gross		120M to 132M    98    178    258    338    423
IL	\$108.00 plus 6¢ per ton mile on weight in excess of 80M gross		132M to 152M    128    233    343    453    563
IN	\$78.00 plus up to 108M gross - 40¢ per mile 108M to 120M gross - 65¢ per mile 120M to 150M gross - \$41 plus 65¢ per mile 150M to 200M gross - \$41 plus \$1.10 per mile over 200M gross - \$5.00 per mile, minimum \$125		152M to 172M    163    303    448    593    738
			172M to 192M    198    373    553    733    913
			192M to 212M    233    443    658    873    1088
			Over 212M - \$17 plus 50¢ per ton mile of weight In excess of 80M plus a fee for structural evaluation (NOTE E)
		ME	\$58.00
		MD	up to 120M gross - \$73 plus \$6 per ton or thereof over 80M up to 150M Gross weight. Shipments exceeding 150M Gross weight will be Subject to a \$1,002 permit fee, plus all additional Fees assigned by the state, including, but not Limited to Engineering, special escorts, and Structural fees.
		MA	\$46.00 up to 130M gross weight over 130M gross will be subject to the permit charge plus an additional fee of \$502
		MI	\$88.00
		MN	\$59.00 plus to 100M gross - 30¢ per mile 100M to 105M gross - 35¢ per mile 105M to 115M gross - 40¢ per mile 115M to 120M gross - 45¢ per mile  120M to 125M gross - 50¢ per mile 125M to 135M gross - 55¢ per mile 135M to 145M gross - 60¢ per mile over 145M gross - 85¢ per mile
(continued)			
For explanation of reference marks and abbreviations, see last page of tariff.			
ISSUED: March 12, 2013		EFFECTIVE: March 12, 2013	
Issued By: Judith Christiansen, Manager of Pricing P.O. Box 113, Joplin, MO 64802			



**Florida Power & Light Company**  
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12<sup>th</sup> Revised Page 33

TRI-STATE MOTOR TRANSIT CO.						
SECTION 1 - RULES AND GOVERNING PROVISIONS						
OVERWEIGHT SHIPMENTS (NOTES A,B,C,D)			Item 675 (continued)			
STATE	↑ OVERWEIGHT CHARGE PER VEHICLE USED		STATE	↑ OVERWEIGHT CHARGE PER VEHICLE USED		
MS	\$43 plus 15¢ per ton mile on weight in excess of 80M gross		TX	\$258 up to 120M gross \$342 - over 120M to 160M gross		
MO	\$51 plus \$15 for each 10M or fraction thereof Over 80M gross					
MT	\$43 plus \$4 per 5M or fraction thereof over 80M Total gross, per 25 mile increments (or fraction Thereof					
NE	\$43.00		UT	\$93 up to 125M gross, over 125M see NOTE G		
NV	\$48.00		VT	\$71.00 \$508 on shipments exceeding 100'L, 15'W, or 14'H		
NH	\$52 - up to 105M gross \$62 - over 105M to 115M gross \$72 - over 115M to 120M gross \$72 plus \$2 per 1M lbs. over 120M gross		VA	\$51 plus 10¢ per mile		
NJ	\$68 - up to 100M gross \$78 - over 100M to 105M gross \$83 - over 105M to 110M gross \$133 - over 110M to 115M gross \$208 - over 115M gross		WA	\$47 plus a charge in cents per mile 21 - to 100M gross 35 - over 100M to 105M gross 49 - over 105M to 110M gross 63 - over 110M to 115M gross 84 - over 115M to 120M gross 105 - over 120M to 130M gross 126 - over 130M to 140M gross 147 - over 140M to 145M gross 168 - over 145M to 160M gross 203 - over 160M to 170M gross 238 - over 170M to 180M gross 280 - over 180M to 200M gross 290 - over 200M to 210M gross 300 - over 210M gross		
NM	\$58.00 plus 2.5 cents per ton mile over 86M gross		WV	\$53 plus 10¢ per ton mile on weight in excess of 80M gross		
NY	\$89 plus \$120.00 if to or from NYC					
NC	\$80.00 up to 132M gross, plus \$3.00 per 1M over 132M					
ND	\$54 plus \$6 per ton in excess of 80M gross					
OH	\$164.00, \$228 when over 14' wide or 14'6" high					
OK	\$77 plus \$12 per 1M, or fraction thereof, over 80M Gross. Shipments 18' wide or more are subject to an additional charge of \$300.00					
OR	Gross weight not over				WI	\$60 - up to 100M gross \$78 - over 100M to 110M gross \$88 - over 110M to 120M gross \$98 - over 120M to 130M gross \$108 - over 130M to 150M gross \$118 - over 150M to 160M gross \$128 - over 160M to 165M gross \$128 plus \$12 per 10M (or fraction thereof) over 165M gross - over 165M gross
	under 150 miles					
	over 151 miles					
	105M	\$43      \$43				
	115M	\$66      \$106				
125M	\$71      \$117					
145M	\$87      \$153					
Over 145M	\$100      \$180					
PA	\$66 plus: to 145M gross - 4¢ per ton mile on weight in Excess of 80M gross Over 145M gross - 5¢ per ton mile on weight in Excess of 80M gross		WY	\$87 plus 6¢ per ton mile on weight in excess of 80M gross on shipments requiring up to 7 axles. Shipments requiring more than 7 axles will be Charged on weight in excess of 100M gross. In addition to these charges, tractor & trailer exceeding 75' long or 15' high or wide will be subject to an additional charge of 3¢ per mile per foot, or fraction thereof, over these dimensions.		
RI	\$54.00					
SC	\$64.00					
SD	\$52 plus 2¢ (4¢ on shipments requiring 8 or more Axles) per ton mile on weight in excess of 80M gross					
TN	\$73 plus 6¢ (10¢ when shipment requires 8 or more axles) per ton mile on weight in excess of 80M gross					

(continued)

For explanation of reference marks and abbreviations, see last page of tariff.

ISSUED: March 12, 2013

EFFECTIVE: March 12, 2013

Issued By: Judith Christiansen, Manager of Pricing  
P.O. Box 113, Joplin, MO 64802

**Florida Power & Light Company**  
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TRI-STATE MOTOR TRANSIT CO.																																																																																																																																																																																																																							
SECTION 1 - RULES AND GOVERNING PROVISIONS																																																																																																																																																																																																																							
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<p>NOTE A - Per ton mile means 2M of freight transported one mile.                      Per ton means a weight of 2M.                      When computing charges per ton, weights resulting in a fraction of a ton will be computed at the next higher ton.</p> <p>NOTE B - Charges provided 'per mile', 'per ton mile', or 'per mile traveled', shall be assessed only on one-way distance through the states traveled and such distance shall be computed via the route specified in this permit.</p> <p>NOTE C - A truckload shipment which requires an overweight permit and which is also subject to Item 670 WILL NOT be subject to the item when charges computed from Item 670-10 result in a higher charge. When the amount charged by a state for an overweight permit exceed the amount specified in the item, the actual cost of the permit will apply.</p> <p>NOTE D - When the permit route from origin to destination includes toll roads and/or bridges, carrier will pay the toll charges and add the charges to all other applicable charges. Evidence of routing shall be furnished to the party responsible for freight charges upon request. (Applicable only on permit shipments moving to, from, or within points in CT, DE, DC, IL, IN, KY, ME, MD, MA, MI, NH, NJ, NY, OH, PA, RI, VT, VA, WV). When a special permit or bond is required by the appropriate regulations of any City, County, or municipal Agency and carrier obtains such special permit or bond at the request of the consignor or owner of the shipment, prior to the performance of transportation service. Shipments will be subject to an arbitrary charge of \$25.00 for each such permit or bond, plus the actual costs of permit and any associated wire or telephone expenses</p> <p>NOTE E - The structural evaluation fee shall be charged per structure as follows: \$125 - treated timber, concrete slab, and precast concrete slab bridges; \$850 - truss, continuous span, and moveable bridges and for all Mississippi River bridges; \$500.00 - all other structures.</p> <p>NOTE F - Florida Overweight Permit Fee - ↑Permit Fee in Dollars by Weight Class and Trip Length</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>MILES</th> <th>95M</th> <th>112M</th> <th>122M</th> <th>132M</th> <th>142M</th> <th>152M</th> <th>172M</th> </tr> </thead> <tbody> <tr><td>25</td><td>58</td><td>58</td><td>58</td><td>58</td><td>58</td><td>58</td><td>58</td></tr> <tr><td>50</td><td>58</td><td>58</td><td>58</td><td>58</td><td>58</td><td>60</td><td>63</td></tr> <tr><td>75</td><td>58</td><td>61</td><td>64</td><td>66</td><td>69</td><td>72</td><td>76</td></tr> <tr><td>100</td><td>65</td><td>69</td><td>73</td><td>76</td><td>80</td><td>84</td><td>89</td></tr> <tr><td>125</td><td>72</td><td>77</td><td>82</td><td>86</td><td>91</td><td>96</td><td>102</td></tr> <tr><td>150</td><td>79</td><td>85</td><td>91</td><td>96</td><td>102</td><td>108</td><td>115</td></tr> <tr><td>175</td><td>86</td><td>93</td><td>100</td><td>106</td><td>113</td><td>120</td><td>128</td></tr> <tr><td>200</td><td>93</td><td>101</td><td>109</td><td>116</td><td>124</td><td>132</td><td>151</td></tr> <tr><td>225</td><td>100</td><td>109</td><td>118</td><td>126</td><td>135</td><td>154</td><td>164</td></tr> <tr><td>250</td><td>107</td><td>117</td><td>127</td><td>136</td><td>156</td><td>166</td><td>177</td></tr> <tr><td>300</td><td>114</td><td>125</td><td>146</td><td>156</td><td>167</td><td>178</td><td>190</td></tr> <tr><td>325</td><td>121</td><td>133</td><td>155</td><td>166</td><td>178</td><td>190</td><td>203</td></tr> <tr><td>350</td><td>128</td><td>151</td><td>164</td><td>176</td><td>189</td><td>202</td><td>216</td></tr> <tr><td>375</td><td>135</td><td>159</td><td>173</td><td>186</td><td>200</td><td>214</td><td>229</td></tr> <tr><td>400</td><td>159</td><td>175</td><td>191</td><td>206</td><td>222</td><td>238</td><td>265</td></tr> <tr><td>425</td><td>166</td><td>183</td><td>200</td><td>216</td><td>233</td><td>250</td><td>278</td></tr> <tr><td>450</td><td>173</td><td>191</td><td>209</td><td>226</td><td>244</td><td>262</td><td>291</td></tr> <tr><td>475</td><td>180</td><td>199</td><td>218</td><td>236</td><td>265</td><td>284</td><td>304</td></tr> <tr><td>500</td><td>187</td><td>207</td><td>227</td><td>246</td><td>276</td><td>296</td><td>317</td></tr> <tr><td>525</td><td>194</td><td>215</td><td>236</td><td>266</td><td>287</td><td>308</td><td>330</td></tr> <tr><td>550</td><td>201</td><td>223</td><td>255</td><td>276</td><td>298</td><td>320</td><td>343</td></tr> <tr><td>575</td><td>208</td><td>231</td><td>264</td><td>286</td><td>309</td><td>332</td><td>356</td></tr> <tr><td>600</td><td>215</td><td>239</td><td>273</td><td>296</td><td>320</td><td>344</td><td>369</td></tr> <tr><td>625</td><td>222</td><td>257</td><td>282</td><td>306</td><td>331</td><td>356</td><td>382</td></tr> <tr><td>650</td><td>229</td><td>265</td><td>291</td><td>316</td><td>342</td><td>368</td><td>395</td></tr> </tbody> </table>								MILES	95M	112M	122M	132M	142M	152M	172M	25	58	58	58	58	58	58	58	50	58	58	58	58	58	60	63	75	58	61	64	66	69	72	76	100	65	69	73	76	80	84	89	125	72	77	82	86	91	96	102	150	79	85	91	96	102	108	115	175	86	93	100	106	113	120	128	200	93	101	109	116	124	132	151	225	100	109	118	126	135	154	164	250	107	117	127	136	156	166	177	300	114	125	146	156	167	178	190	325	121	133	155	166	178	190	203	350	128	151	164	176	189	202	216	375	135	159	173	186	200	214	229	400	159	175	191	206	222	238	265	425	166	183	200	216	233	250	278	450	173	191	209	226	244	262	291	475	180	199	218	236	265	284	304	500	187	207	227	246	276	296	317	525	194	215	236	266	287	308	330	550	201	223	255	276	298	320	343	575	208	231	264	286	309	332	356	600	215	239	273	296	320	344	369	625	222	257	282	306	331	356	382	650	229	265	291	316	342	368	395
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TRI-STATE MOTOR TRANSIT CO.						
SECTION 1 - RULES AND GOVERNING PROVISIONS						
OVERWEIGHT SHIPMENTS						Item 675 (concluded)
NOTE G - ↑Shipments in excess of 125M gross are subject to the following Utah overweight charge in dollars:						
Miles	to 125M	to 150M	to 175M	to 200M	to 225M	to 250M
50	133	133	133	133	138	158
100	133	138	168	188	218	238
150	138	188	208	248	288	328
200	158	208	258	308	358	408
250	178	248	308	368	428	498
300	208	278	358	428	508	518
350	228	318	398	488	518	518
400	248	348	448	518	518	518
450	268	388	498	518	518	518
Shipments in excess of 250M or 450 miles will be subject to a permit charge of \$518.00						
PACKING REQUIREMENTS AND DUNNAGE						Item 680
<p><b>PACKING REQUIREMENTS:</b>  All articles tendered for shipment must be prepared and packed by the shipper in such manner as to insure the safe transportation of such articles by the carrier through the exercise of reasonable care.  Hazardous materials shall be shipped per the requirements of ATA 111 series Hazardous Materials Tariff and carrier shall not be held liable for inadvertent acceptance of shipments not properly classified, described, packaged, marked and labeled.</p> <p><b>DUNNAGE: (NOTE A)</b>  The rates in tariffs governed hereby do not include the costs for any materials used as temporary blocking, flooring or lining, racks, standards, strips, stakes, or similar bracing, dunnage or supports not constituting a shipping carrier, container or package, or a part of the transporting vehicle, when required to protect and make shipments secure for transportation.  At the request of shipper, carrier will, based upon availability, arrange to purchase wooden timbers for bracing, blocking, or other loading requirements and will pay the cost thereof as an advance charge to be paid by the shipper or consignee plus a service charge of 20% of the actual cost, minimum \$50.00, in addition to all other applicable charges.</p> <p><b>NOTE A -</b> Provisions do not include labor for the installation of wooden timbers. Any extra labor required by the shipper or consignee will be performed by the shipper or consignee. Rates for return of timbers from destination will be those lawfully on file.</p>						
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